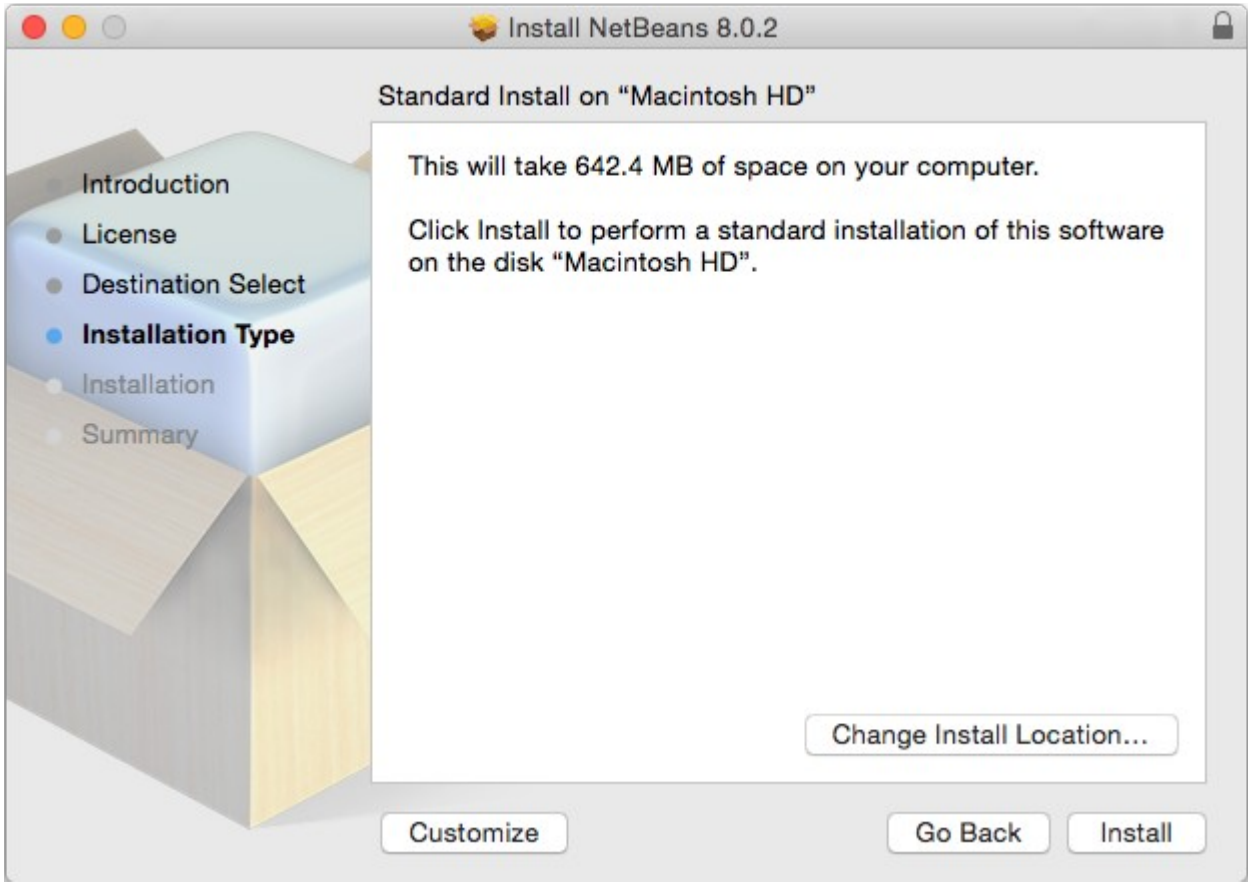
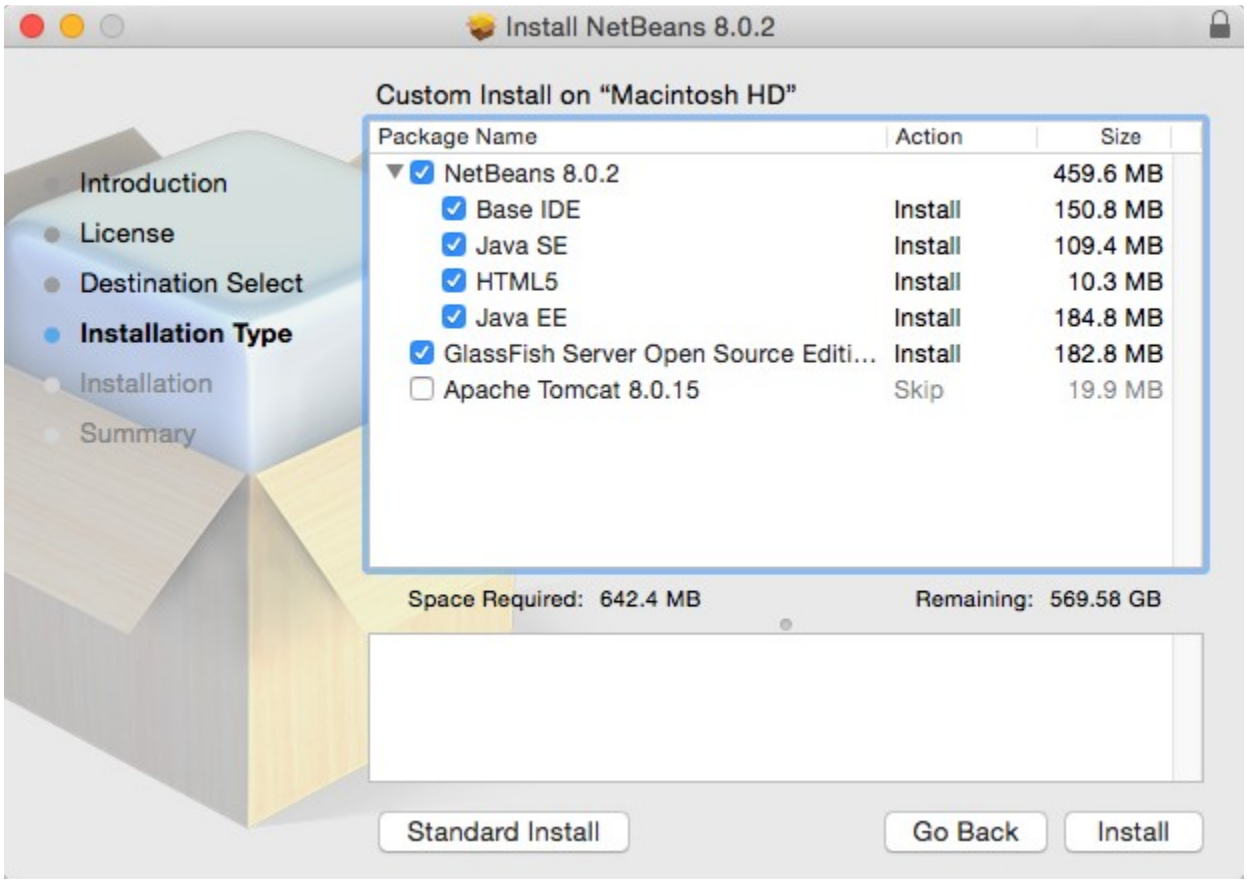
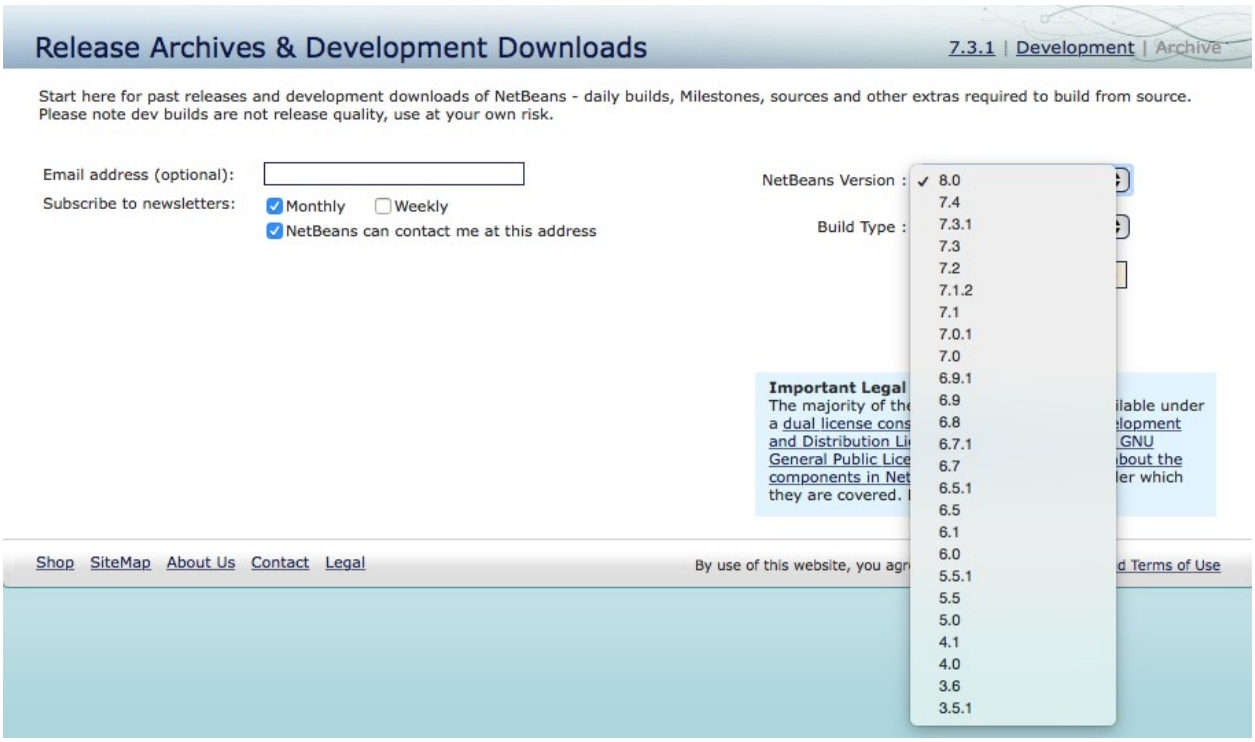
Chapter 1: Getting Started with NetBeans

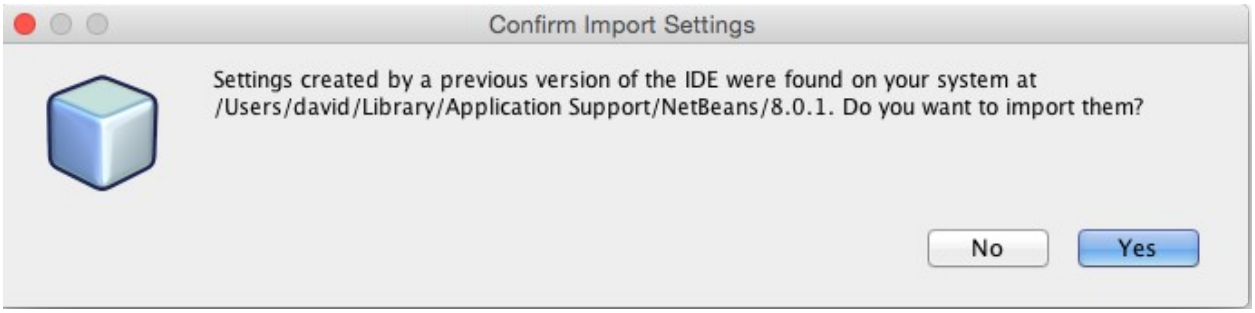
	NetBeans IDE Download Bundles				
Supported technologies *	Java SE	Java EE	C/C++	HTML5 & PHP	All
NetBeans Platform SDK	●	●			●
Java SE	●	●			●
Java FX	●	●			●
Java EE		●			●
Java ME					–
HTML5		●		●	●
Java Card™ 3 Connected					–
C/C++			●		●
Groovy					●
PHP				●	●
Bundled servers					
GlassFish Server Open Source Edition 4.1		●			●
Apache Tomcat 8.0.15		●			●
	Download	Download	Download	Download	Download
	Free, 105 MB	Free, 222 MB	Free, 72 MB	Free, 72 MB	Free, 243 MB




Install NetBeans 8.0.2
Custom Install on "Macintosh HD"
Introduction
License
Destination Select
Installation Type
Installation
Summary
Package Name
Action
Size
NetBeans 8.0.2
459.6 MB
Base IDE
Install
150.8 MB
Java SE
Install
109.4 MB
HTML5
Install
10.3 MB
Java EE
Install
184.8 MB
GlassFish Server Open Source Editi...
Install
182.8 MB
Apache Tomcat 8.0.15
Skip
19.9 MB
Space Required: 642.4 MB
Remaining: 569.58 GB
Standard Install
Go Back
Install

NetBeans IDE 8.0.2 Download
8.0.1 | 8.0.2 | Development | Archive
Email address (optional):
Subscribe to newsletters:
Monthly
Weekly
NetBeans can contact me at this address
IDE Language:
English
Platform:
Mac OS X
Note: Greyed out technologies are not supported for this platform.



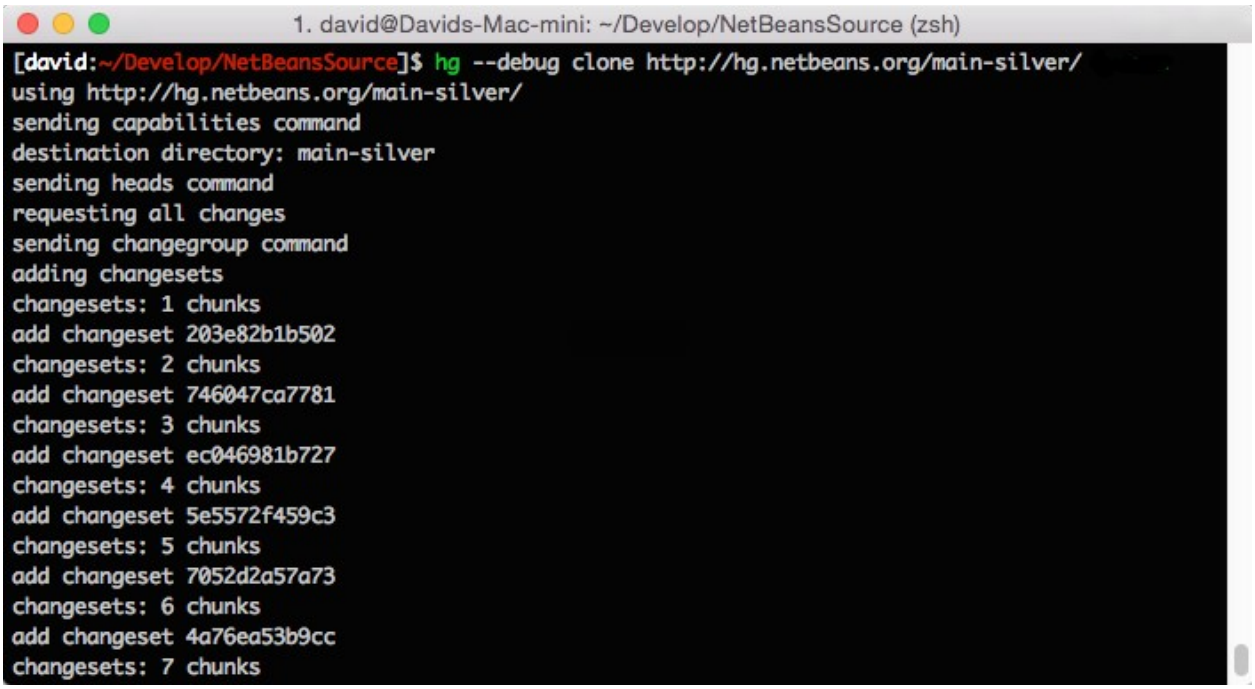


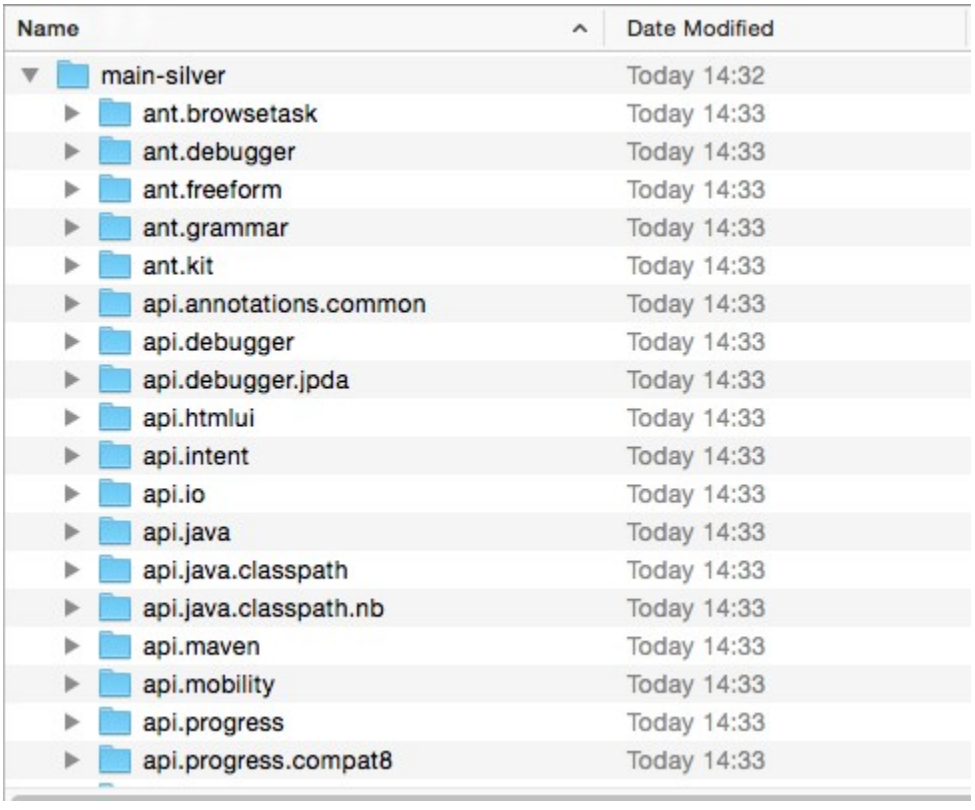
* You can add or remove packs later using the IDE's Plugin Manager (Tools | Plugins).

Java 7 and later versions are required for installing and running the PHP and C/C++ NetBeans Bundles. You can download the latest Java at java.com.

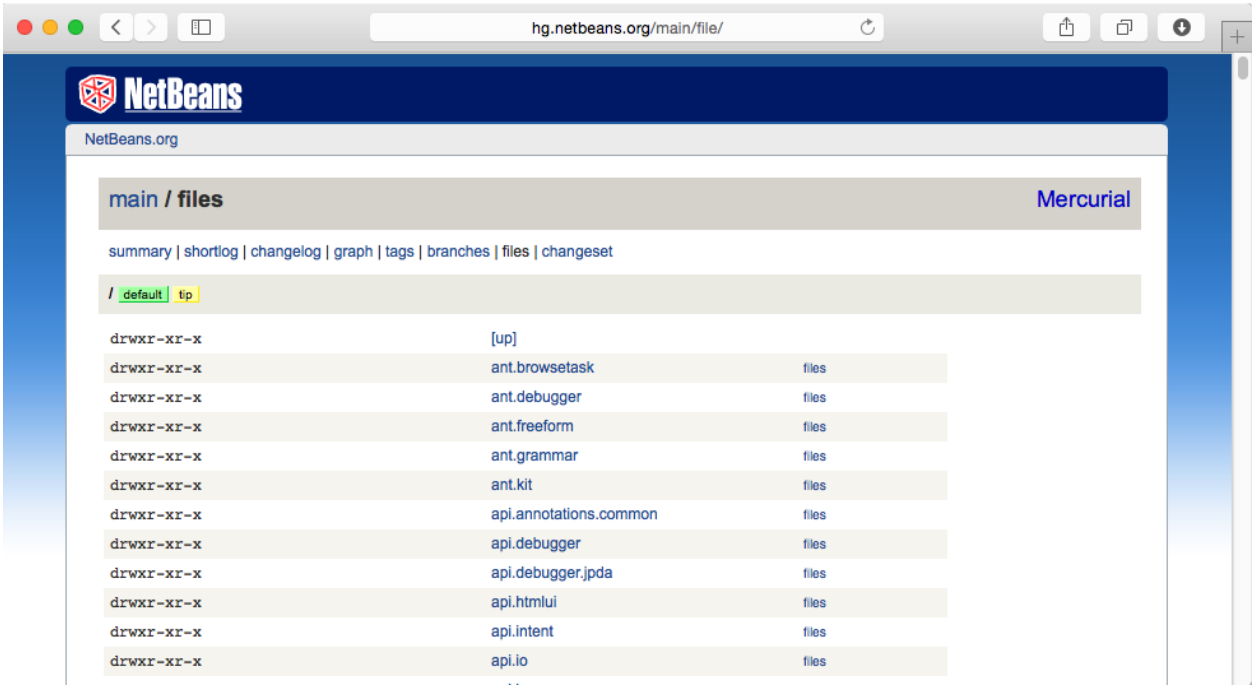
JDK 7 and later versions are required for installing and running the Java SE, Java EE and All NetBeans Bundles. You can download standalone JDK or download the latest JDK with NetBeans IDE Java SE bundle.

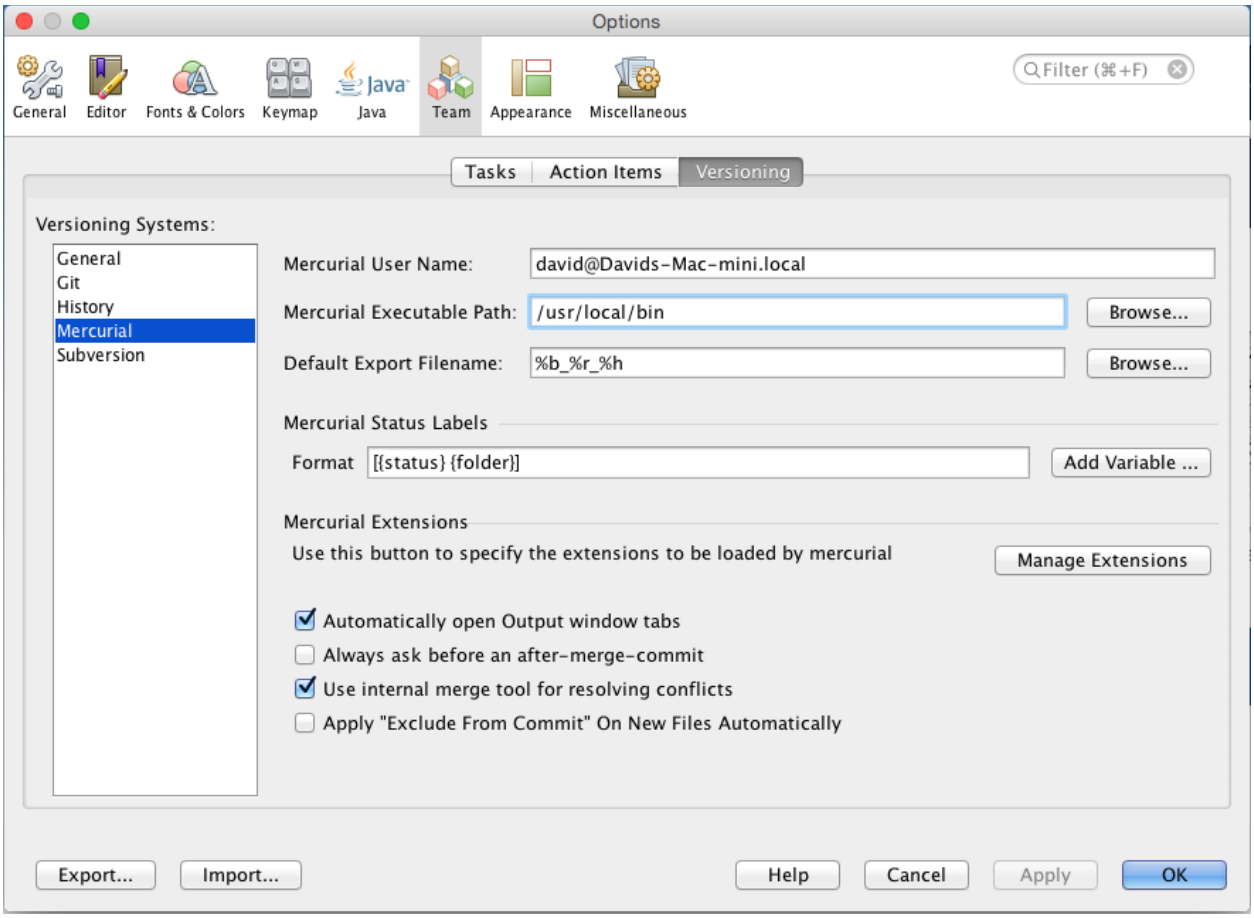
You can start developing applications based on the NetBeans Platform using the NetBeans IDE for Java SE. Learn more about the NetBeans Platform. NetBeans source code and binary builds without bundled runtimes are also available in zip file format. See also instructions on how to build the IDE from sources or installation instructions.

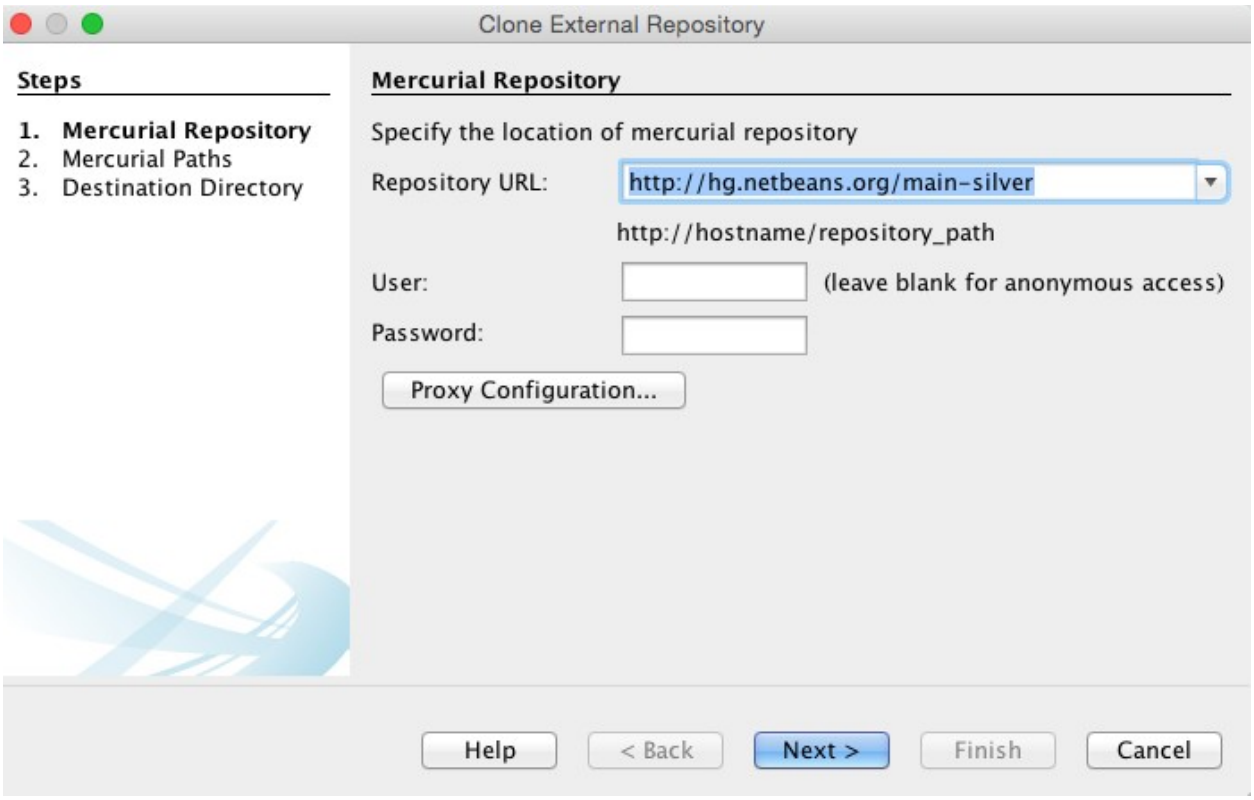

1. david@Davids-Mac-mini: ~/Develop/NetBeansSource (zsh)
[david:~/Develop/NetBeansSource]$ hg --debug clone http://hg.netbeans.org/main-silver/
using http://hg.netbeans.org/main-silver/
sending capabilities command
destination directory: main-silver
sending heads command
requesting all changes
sending changegroup command
adding changesets
changesets: 1 chunks
add changeset 203e82b1b502
changesets: 2 chunks
add changeset 746047ca7781
changesets: 3 chunks
add changeset ec046981b727
changesets: 4 chunks
add changeset 5e5572f459c3
changesets: 5 chunks
add changeset 7052d2a57a73
changesets: 6 chunks
add changeset 4a76ea53b9cc
changesets: 7 chunks

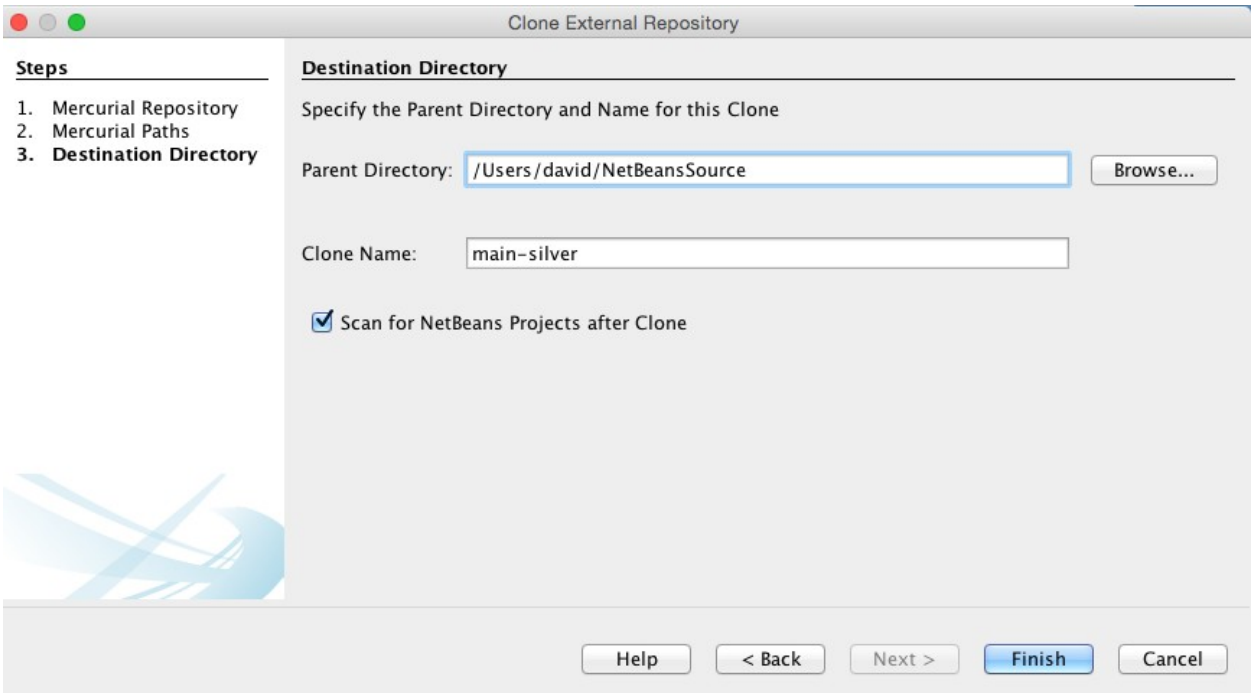

Name
Date Modified
main-silver
Today 14:32
ant.browsetask
Today 14:33
ant.debugger
Today 14:33
ant.freeform
Today 14:33
ant.grammar
Today 14:33
ant.kit
Today 14:33
api.annotations.common
Today 14:33
api.debugger
Today 14:33
api.debugger.jpda
Today 14:33
api.htmlui
Today 14:33
api.intent
Today 14:33
api.io
Today 14:33
api.java
Today 14:33
api.java.classpath
Today 14:33
api.java.classpath.nb
Today 14:33
api.maven
Today 14:33
api.mobility
Today 14:33
api.progress
Today 14:33
api.progress.compat8
Today 14:33

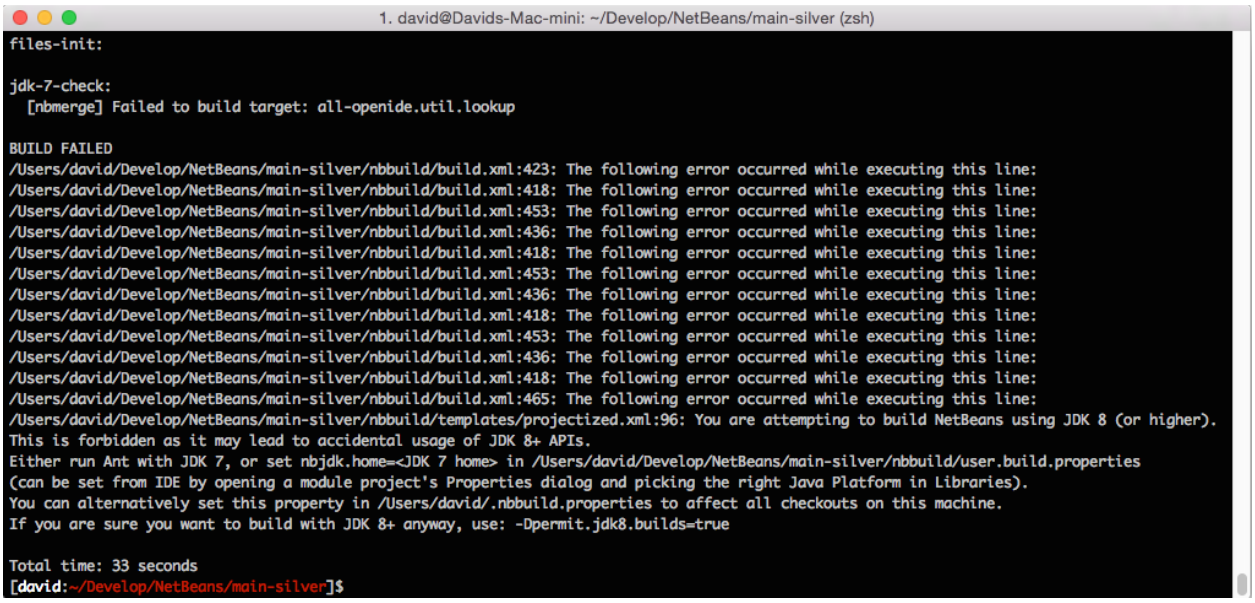
hg.netbeans.org/releases/tags
2012-06-14 release72_base changeset | changelog | files
2012-04-25 release72_beta_base changeset | changelog | files
2012-03-01 release711_fcs changeset | changelog | files
2011-12-07 release71_fixes_base changeset | changelog | files
2011-12-07 release71_fcs changeset | changelog | files
2011-11-17 release71_base changeset | changelog | files
2011-09-21 release71_beta_base changeset | changelog | files
2011-07-27 release701_fixes_base changeset | changelog | files
2011-07-27 release701_fcs changeset | changelog | files
2011-06-20 spica_beta_base changeset | changelog | files
2011-05-13 release701_base changeset | changelog | files
2011-04-07 release70_fixes_base changeset | changelog | files
2011-04-07 release70_fcs changeset | changelog | files
2011-03-09 release70_base changeset | changelog | files
2011-02-04 release70_beta2_base changeset | changelog | files
2010-11-05 release70_beta_base changeset | changelog | files
2010-11-05 patch2 changeset | changelog | files

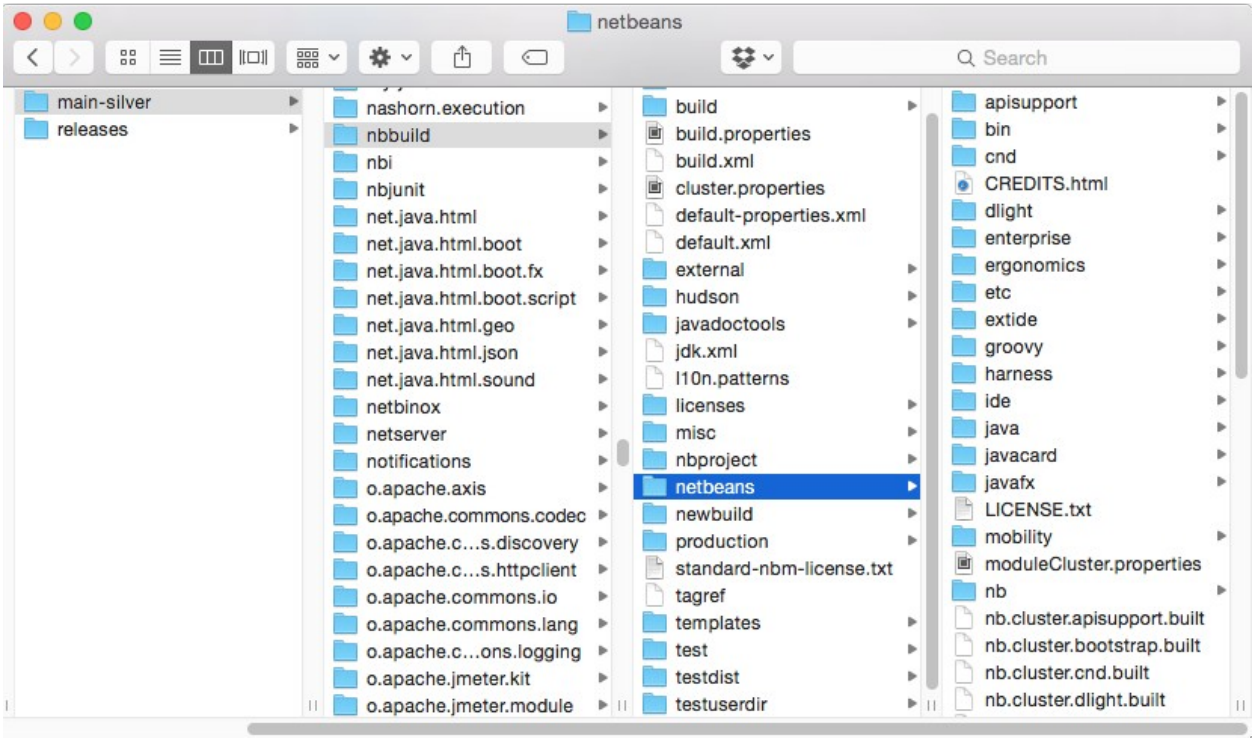

hg.netbeans.org/main/file/
NetBeans
NetBeans.org
main / files
Mercurial
summary | shortlog | changelog | graph | tags | branches | files | changeset
/ default tip
drwxr-xr-x [up]
drwxr-xr-x ant.browsetask files
drwxr-xr-x ant.debugger files
drwxr-xr-x ant.freeform files
drwxr-xr-x ant.grammar files
drwxr-xr-x ant.kit files
drwxr-xr-x api.annotations.common files
drwxr-xr-x api.debugger files
drwxr-xr-x api.debugger.jpda files
drwxr-xr-x api.htmlui files
drwxr-xr-x api.intent files
drwxr-xr-x api.io files

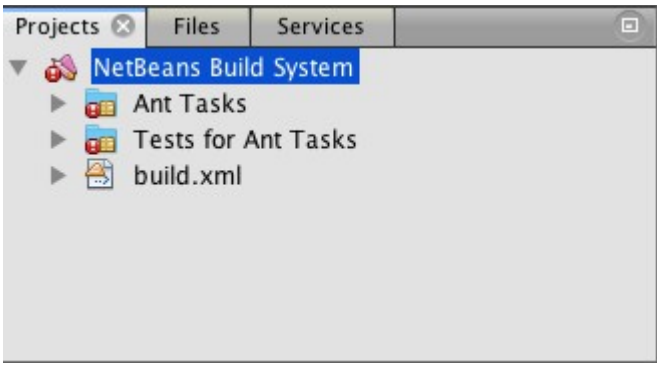

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
Filter (⌘+F)
Tasks
Action Items
Versioning
Versioning Systems:
General
Git
History
Mercurial
Subversion
Mercurial User Name:
david@Davids-Mac-mini.local
Mercurial Executable Path:
/usr/local/bin
Browse...
Default Export Filename:
%b_%r_%h
Browse...
Mercurial Status Labels
Format
[{status} {folder}]
Add Variable ...
Mercurial Extensions
Use this button to specify the extensions to be loaded by mercurial
Manage Extensions
Automatically open Output window tabs
Always ask before an after-merge-commit
Use internal merge tool for resolving conflicts
Apply "Exclude From Commit" On New Files Automatically
Export...
Import...
Help
Cancel
Apply
OK

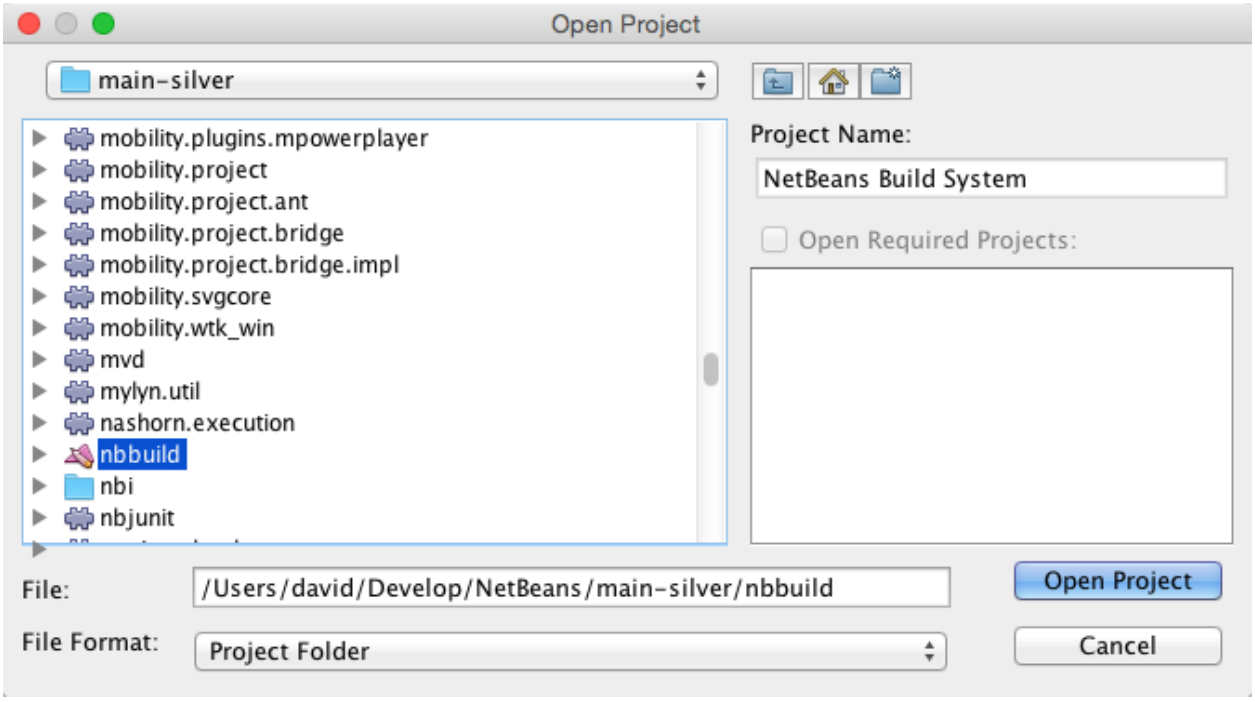

Clone External Repository
Steps
1. Mercurial Repository
2. Mercurial Paths
3. Destination Directory
Mercurial Repository
Specify the location of mercurial repository
Repository URL:
http://hg.netbeans.org/main-silver
http://hostname/repository_path
User:
(leave blank for anonymous access)
Password:
Proxy Configuration...
Help
< Back
Next >
Finish
Cancel

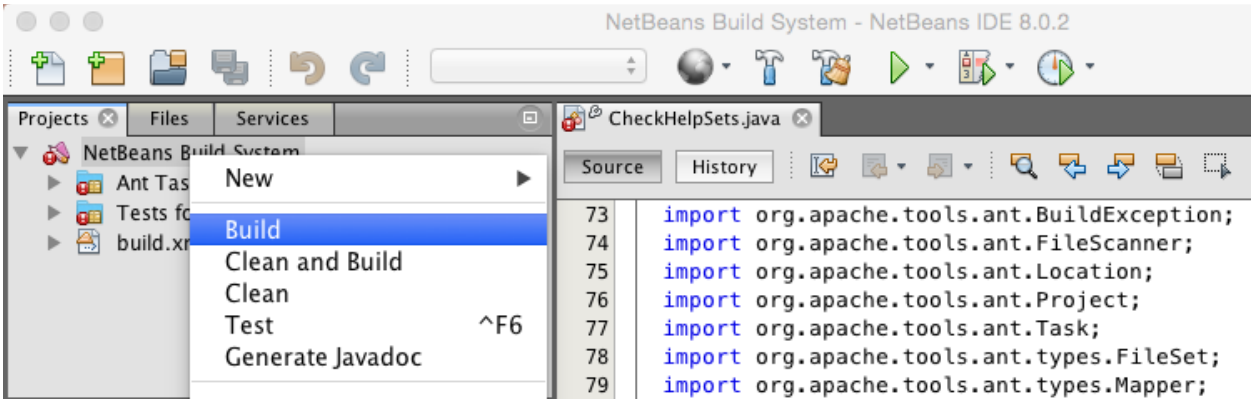

Clone External Repository
Steps
1. Mercurial Repository
2. Mercurial Paths
3. Destination Directory
Destination Directory
Specify the Parent Directory and Name for this Clone
Parent Directory:
/Users/david/NetBeansSource
Browse...
Clone Name:
main-silver
Scan for NetBeans Projects after Clone
Help
< Back
Next >
Finish
Cancel

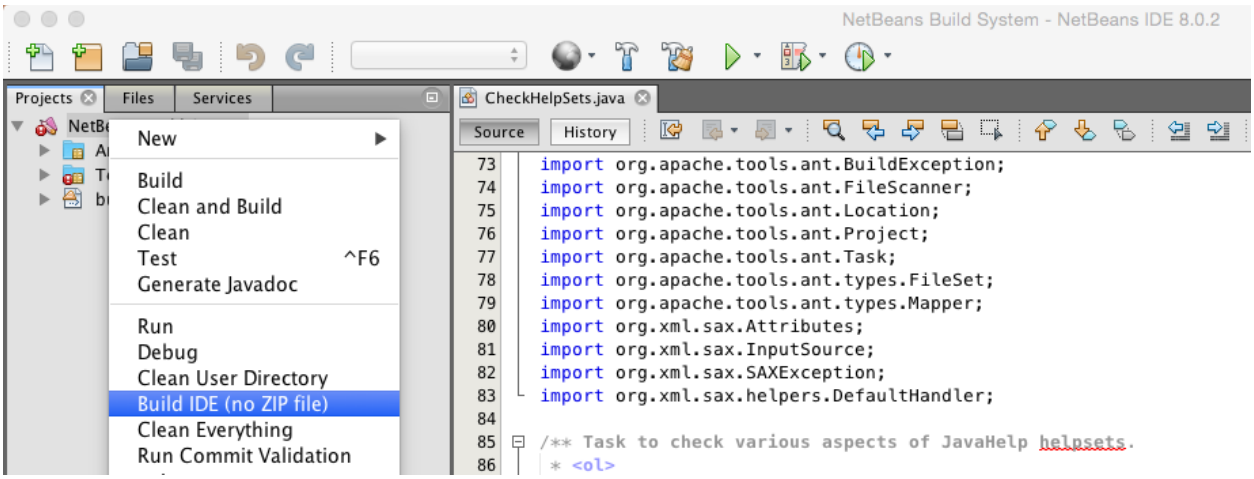

1. david@Davids-Mac-mini: ~/Develop/NetBeans/main-silver (zsh)
files-init:
jdk-7-check:
[nbmerge] Failed to build target: all-openide.util.lookup
BUILD FAILED
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:423: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:418: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:453: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:436: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:418: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:453: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:436: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:418: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:453: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:436: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:418: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:465: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/templates/projectized.xml:96: You are attempting to build NetBeans using JDK 8 (or higher).
This is forbidden as it may lead to accidental usage of JDK 8+ APIs.
Either run Ant with JDK 7, or set nbjdk.home=<JDK 7 home> in /Users/david/Develop/NetBeans/main-silver/nbbuild/user.build.properties
(can be set from IDE by opening a module project's Properties dialog and picking the right Java Platform in Libraries).
You can alternatively set this property in /Users/david/.nbbuild.properties to affect all checkouts on this machine.
If you are sure you want to build with JDK 8+ anyway, use: -Dpermit.jdk8.builds=true
Total time: 33 seconds
[david:~/Develop/NetBeans/main-silver]$


netbeans
Search
main-silver
releases
nashorn.execution
nbbuild
nbi
nbjunit
net.java.html
net.java.html.boot
net.java.html.boot.fx
net.java.html.boot.script
net.java.html.geo
net.java.html.json
net.java.html.sound
netbinox
netserver
notifications
o.apache.axis
o.apache.commons.codec
o.apache.c...s.discovery
o.apache.c...s.httpclient
o.apache.commons.io
o.apache.commons.lang
o.apache.c...ons.logging
o.apache.jmeter.kit
o.apache.jmeter.module
build
build.properties
build.xml
cluster.properties
default-properties.xml
default.xml
external
hudson
javadoctools
jdk.xml
l10n.patterns
licenses
misc
nbproject
netbeans
newbuild
production
standard-nbm-license.txt
tagref
templates
test
testdist
testuserdir
apisupport
bin
cnd
CREDITS.html
dlight
enterprise
ergonomics
etc
extide
groovy
harness
ide
java
javacard
javafx
LICENSE.txt
mobility
moduleCluster.properties
nb
nb.cluster.apisupport.built
nb.cluster.bootstrap.built
nb.cluster.cnd.built
nb.cluster.dlight.built

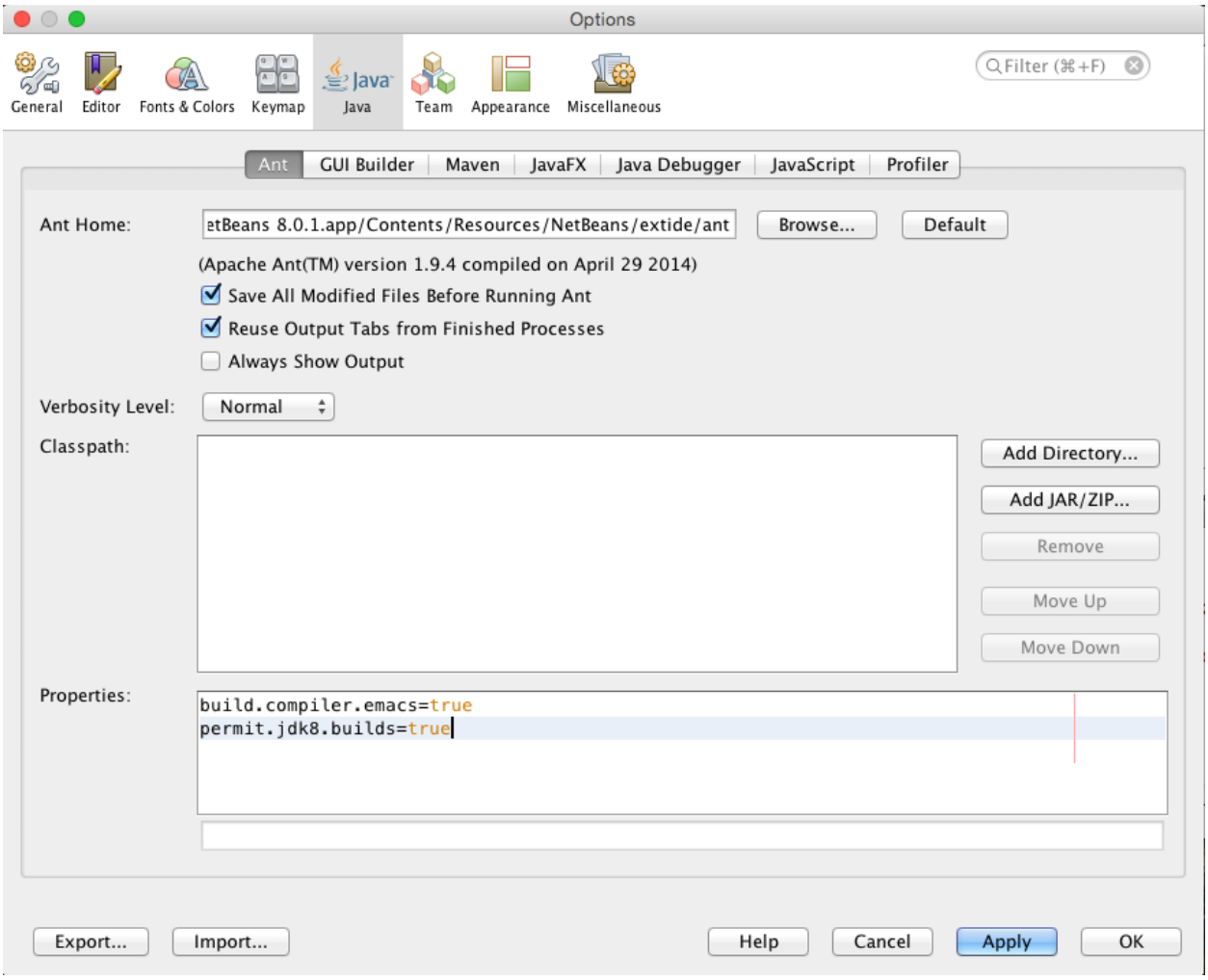

Projects
Files
Services
NetBeans Build System
Ant Tasks
Tests for Ant Tasks
build.xml

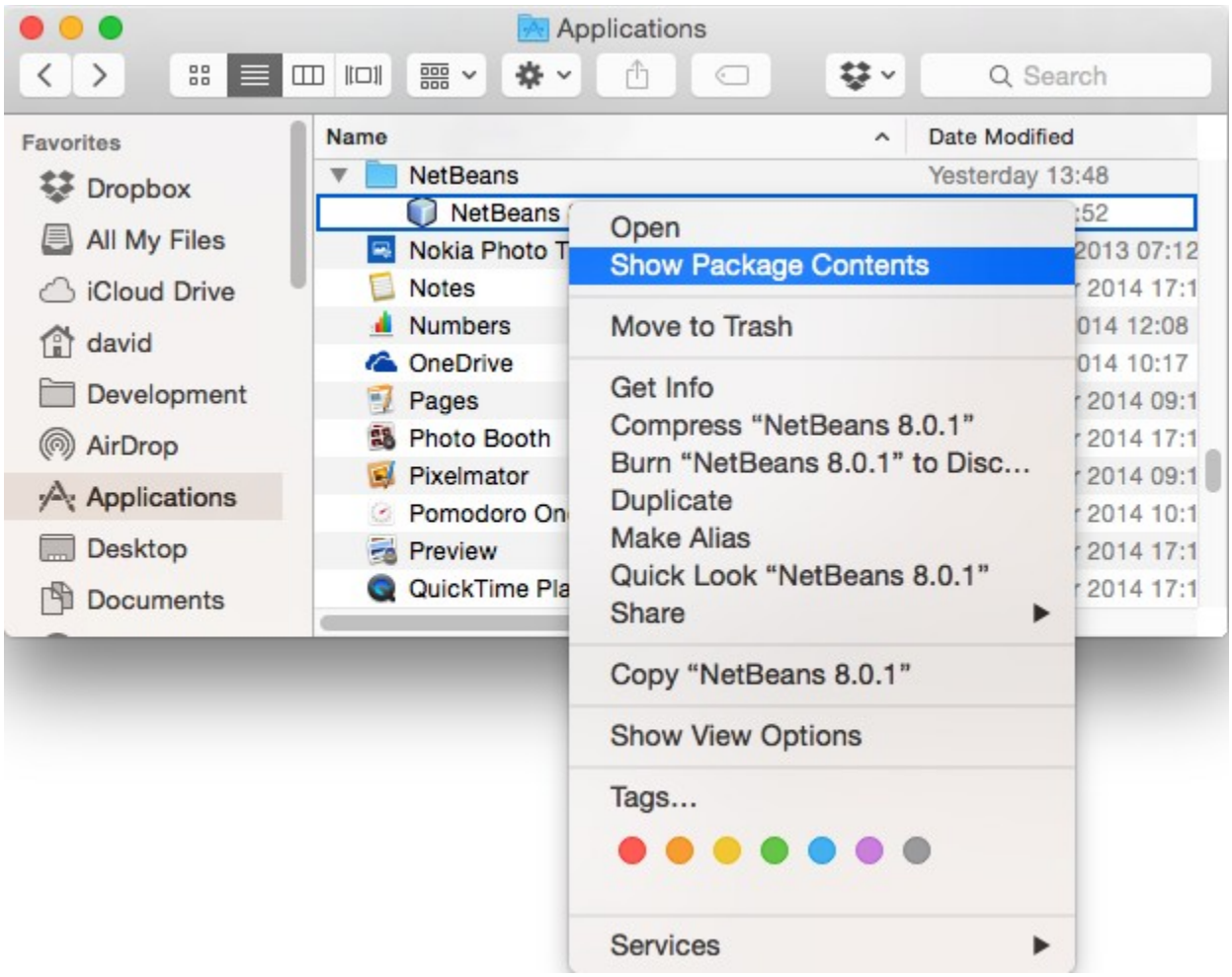

Open Project
main-silver
mobility.plugins.mpowerplayer
mobility.project
mobility.project.ant
mobility.project.bridge
mobility.project.bridge.impl
mobility.svgcore
mobility.wtk_win
mvd
mylyn.util
nashorn.execution
nbbuild
nbi
nbjunit
Project Name:
NetBeans Build System
Open Required Projects:
File:
/Users/david/Develop/NetBeans/main-silver/nbbuild
File Format:
Project Folder
Open Project
Cancel


NetBeans Build System - NetBeans IDE 8.0.2
Projects
Files
Services
New
Build
Clean and Build
Clean
Test ^F6
Generate Javadoc
CheckHelpSets.java
Source
History
73 import org.apache.tools.ant.BuildException;
74 import org.apache.tools.ant.FileScanner;
75 import org.apache.tools.ant.Location;
76 import org.apache.tools.ant.Project;
77 import org.apache.tools.ant.Task;
78 import org.apache.tools.ant.types.FileSet;
79 import org.apache.tools.ant.types.Mapper;


NetBeans Build System - NetBeans IDE 8.0.2
Projects
Files
Services
New
Build
Clean and Build
Clean
Test ^F6
Generate Javadoc
Run
Debug
Clean User Directory
Build IDE (no ZIP file)
Clean Everything
Run Commit Validation
CheckHelpSets.java
Source
History
73 import org.apache.tools.ant.BuildException;
74 import org.apache.tools.ant.FileScanner;
75 import org.apache.tools.ant.Location;
76 import org.apache.tools.ant.Project;
77 import org.apache.tools.ant.Task;
78 import org.apache.tools.ant.types.FileSet;
79 import org.apache.tools.ant.types.Mapper;
80 import org.xml.sax.Attributes;
81 import org.xml.sax.InputSource;
82 import org.xml.sax.SAXException;
83 import org.xml.sax.helpers.DefaultHandler;
84
85 /** Task to check various aspects of JavaHelp helpsets.
86 *

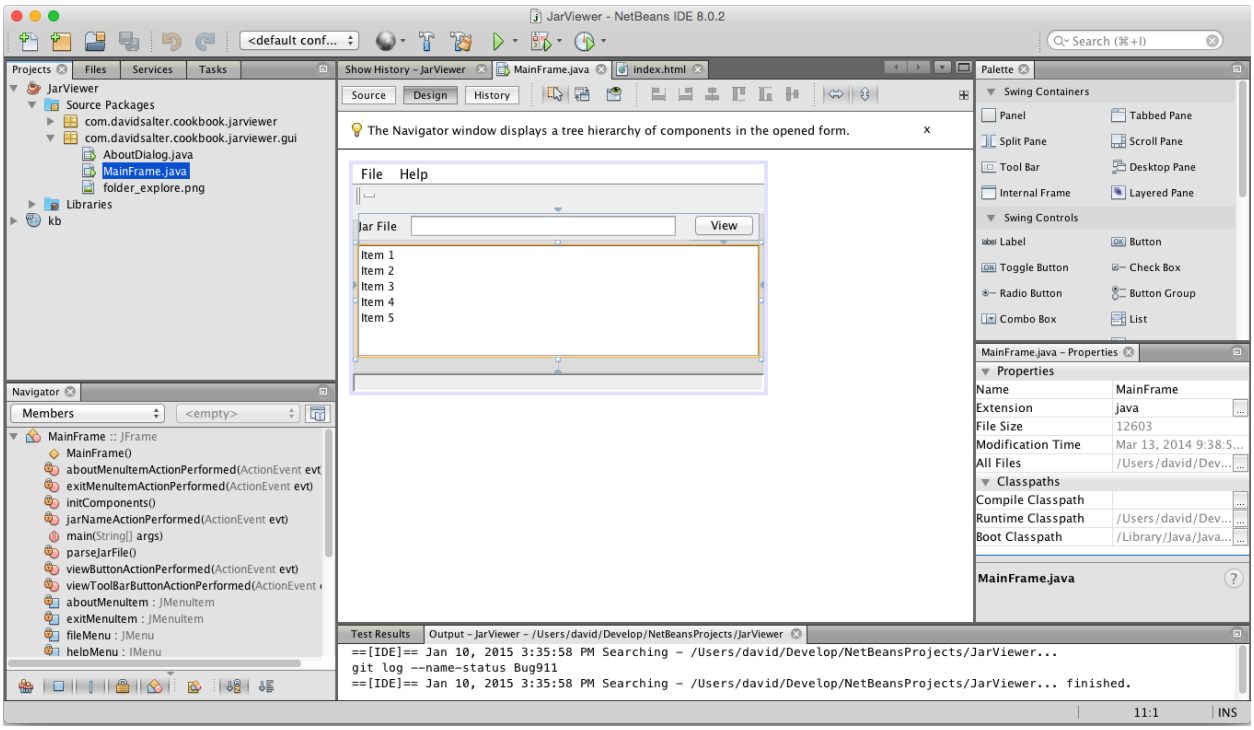
Output - nbbuild (build-nozip)
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:436: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:418: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/build.xml:465: The following error occurred while executing this line:
/Users/david/Develop/NetBeans/main-silver/nbbuild/templates/projectized.xml:96: You are attempting to build NetBeans using JDK 8 (or high
This is forbidden as it may lead to accidental usage of JDK 8+ APIs.
Either run Ant with JDK 7, or set nbjdk.home=<JDK 7 home> in /Users/david/Develop/NetBeans/main-silver/nbbuild/user.build.properties
(can be set from IDE by opening a module project's Properties dialog and picking the right Java Platform in Libraries).
You can alternatively set this property in /Users/david/.nbbuild.properties to affect all checkouts on this machine.
If you are sure you want to build with JDK 8+ anyway, use: -Dpermit.jdk8.builds=true
BUILD FAILED (total time: 46 seconds)

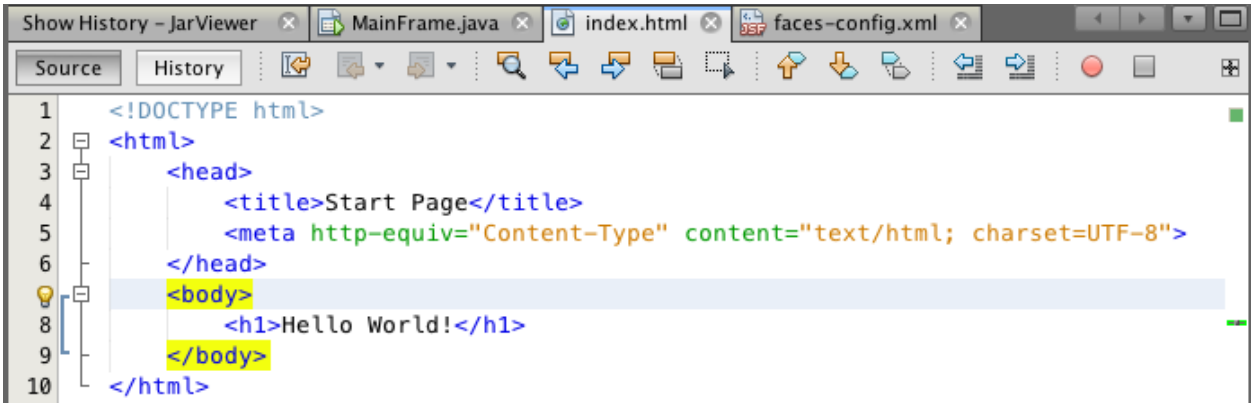

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
Filter (⌘+F)
Ant
GUI Builder
Maven
JavaFX
Java Debugger
JavaScript
Profiler
Ant Home:
etBeans 8.0.1.app/Contents/Resources/NetBeans/extide/ant
Browse...
Default
(Apache Ant(TM) version 1.9.4 compiled on April 29 2014)
Save All Modified Files Before Running Ant
Reuse Output Tabs from Finished Processes
Always Show Output
Verbosity Level:
Normal
Classpath:
Add Directory...
Add JAR/ZIP...
Remove
Move Up
Move Down
Properties:
build.compiler.emacs=true
permit.jdk8.builds=true
Export...
Import...
Help
Cancel
Apply
OK

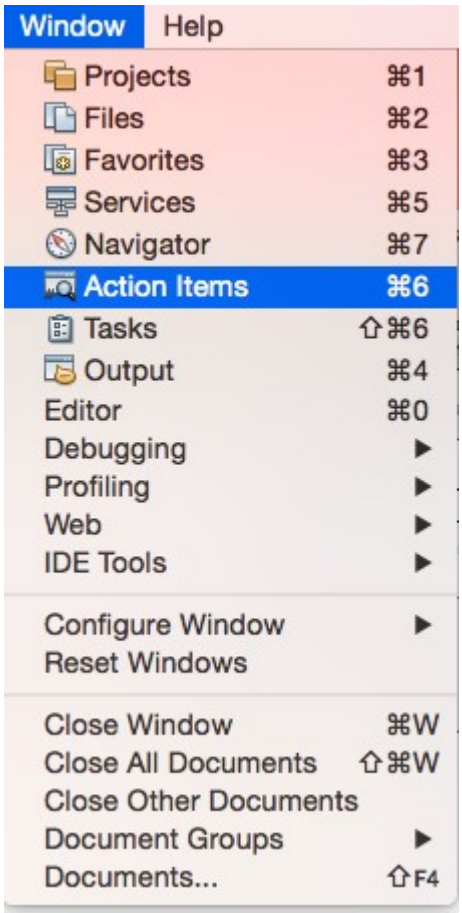


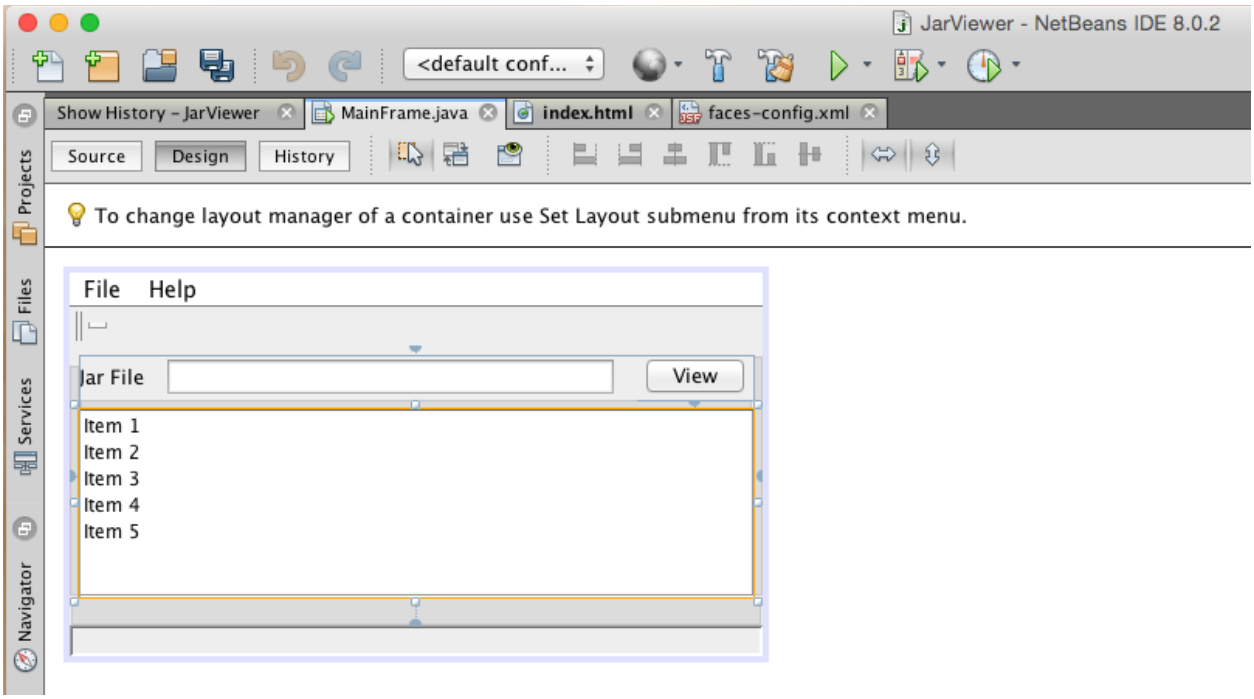
Product Version: NetBeans IDE 8.0.2 (Build 201411181905)
Updates: NetBeans IDE is updated to version NetBeans 8.0.2 Patch 2
Java: 1.8.0_40; Java HotSpot(TM) 64-Bit Server VM 25.40-b25
Runtime: Java(TM) SE Runtime Environment 1.8.0_40-b25
System: Mac OS X version 10.10.4 running on x86_64; UTF-8; en_US (nb)
User directory: /Users/david/Library/Application Support/NetBeans/8.0.2
Cache directory: /Users/david/Library/Caches/NetBeans/8.0.2

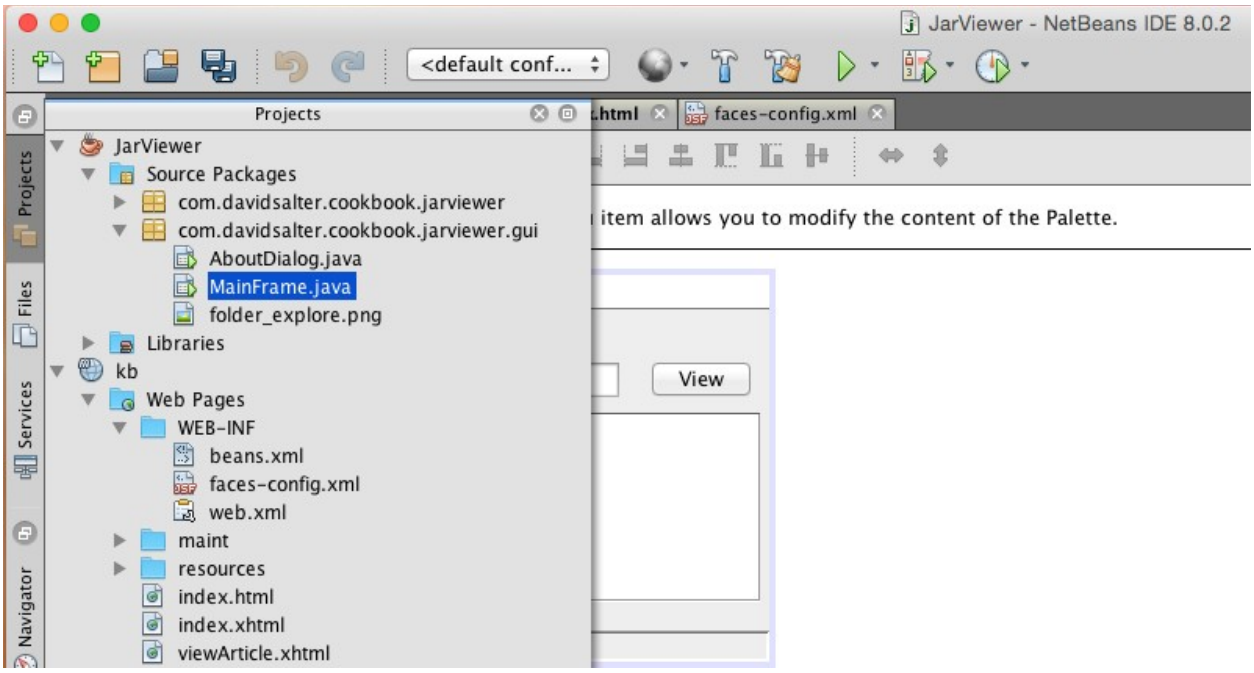
Chapter 2: Editing Files and Projects

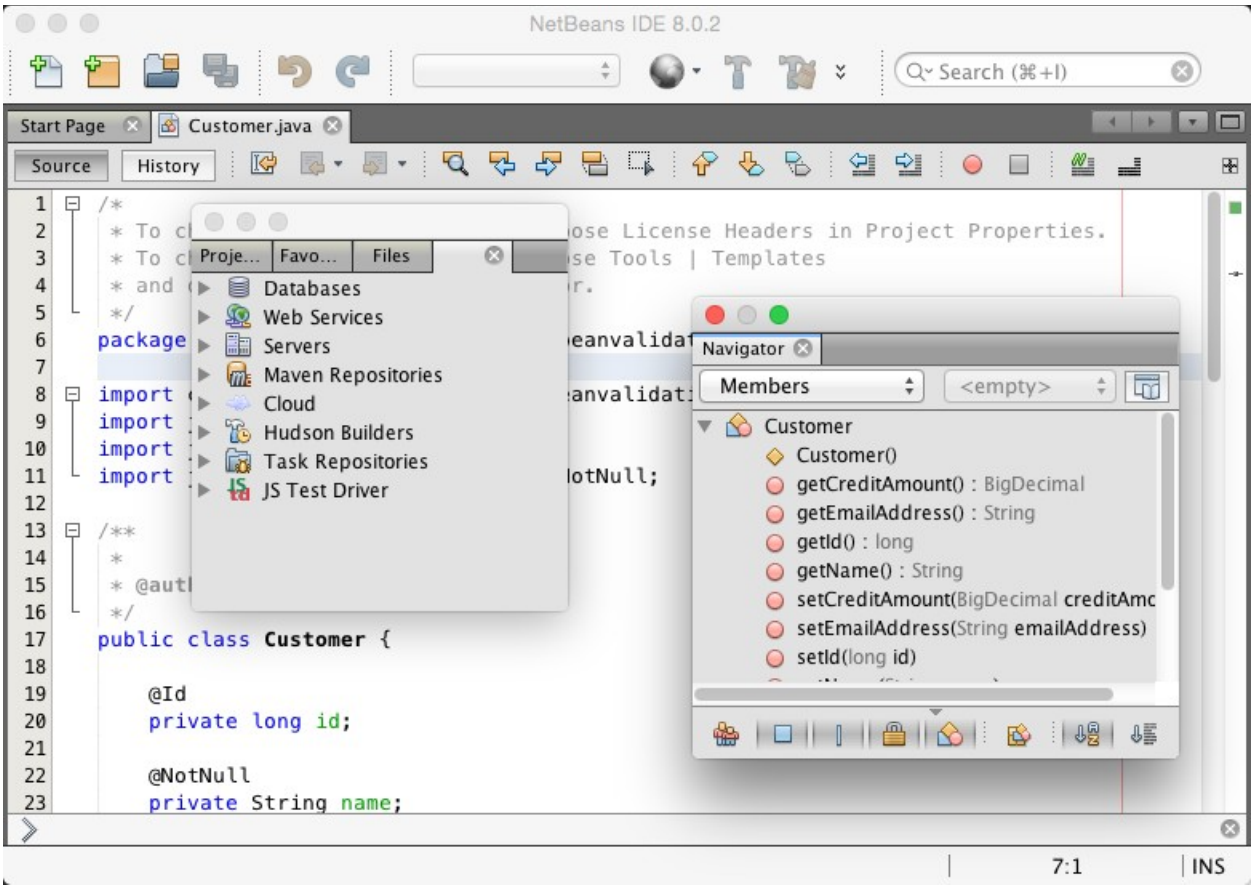

JarViewer - NetBeans IDE 8.0.2
Projects
Files
Services
Tasks
JarViewer
Source Packages
com.davidsalter.cookbook.jarviewer
com.davidsalter.cookbook.jarviewer.gui
AboutDialog.java
MainFrame.java
folder_explore.png
Libraries
kb
Show History - JarViewer
MainFrame.java
index.html
Source
Design
History
The Navigator window displays a tree hierarchy of components in the opened form.
File Help
Jar File
View
Item 1
Item 2
Item 3
Item 4
Item 5
Palette
Swing Containers
Panel
Tabbed Pane
Split Pane
Scroll Pane
Tool Bar
Desktop Pane
Internal Frame
Layered Pane
Swing Controls
Label
Button
Toggle Button
Check Box
Radio Button
Button Group
Combo Box
List
Navigator
Members
MainFrame :: JFrame
MainFrame()
aboutMenuItemActionPerformed(ActionEvent evt
exitMenuItemActionPerformed(ActionEvent evt)
initComponents()
jarNameActionPerformed(ActionEvent evt)
main(String[] args)
parseJarFile()
viewButtonActionPerformed(ActionEvent evt)
viewToolBarButtonActionPerformed(ActionEvent
aboutMenuItem : JMenuItem
exitMenuItem : JMenuItem
fileMenu : JMenu
helpMenu : JMenu
MainFrame.java - Properties
Properties
Name
MainFrame
Extension
java
File Size
12603
Modification Time
Mar 13, 2014 9:38:5...
All Files
/Users/david/Dev...
Classpaths
Compile Classpath
Runtime Classpath
/Users/david/Dev...
Boot Classpath
/Library/Java/Java...
MainFrame.java
Test Results
Output - JarViewer - /Users/david/Develop/NetBeansProjects/JarViewer
==[IDE]== Jan 10, 2015 3:35:58 PM Searching - /Users/david/Develop/NetBeansProjects/JarViewer...
git log --name-status Bug911
==[IDE]== Jan 10, 2015 3:35:58 PM Searching - /Users/david/Develop/NetBeansProjects/JarViewer... finished.
11:1
INS

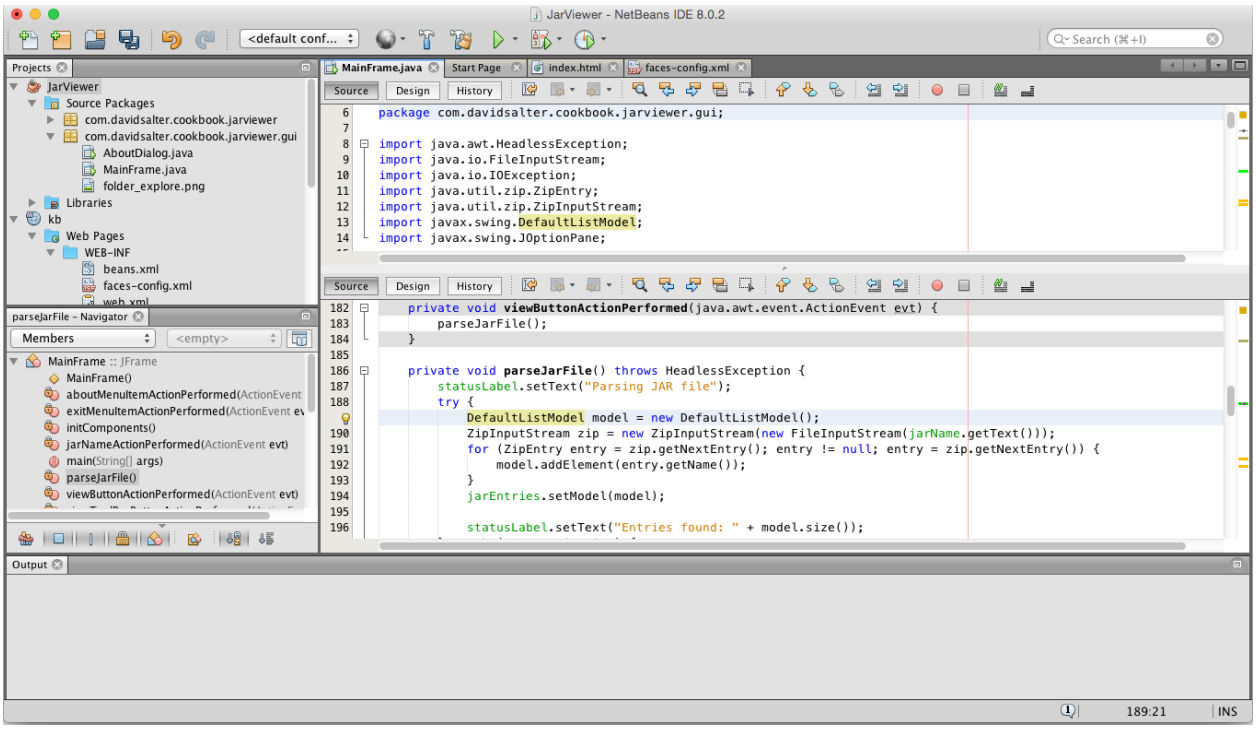

Show History - JarViewer
MainFrame.java
index.html
faces-config.xml
Source
History
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Start Page</title>
5 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6 </head>
<body>
8 <h1>Hello World!</h1>
9 </body>
10 </html>

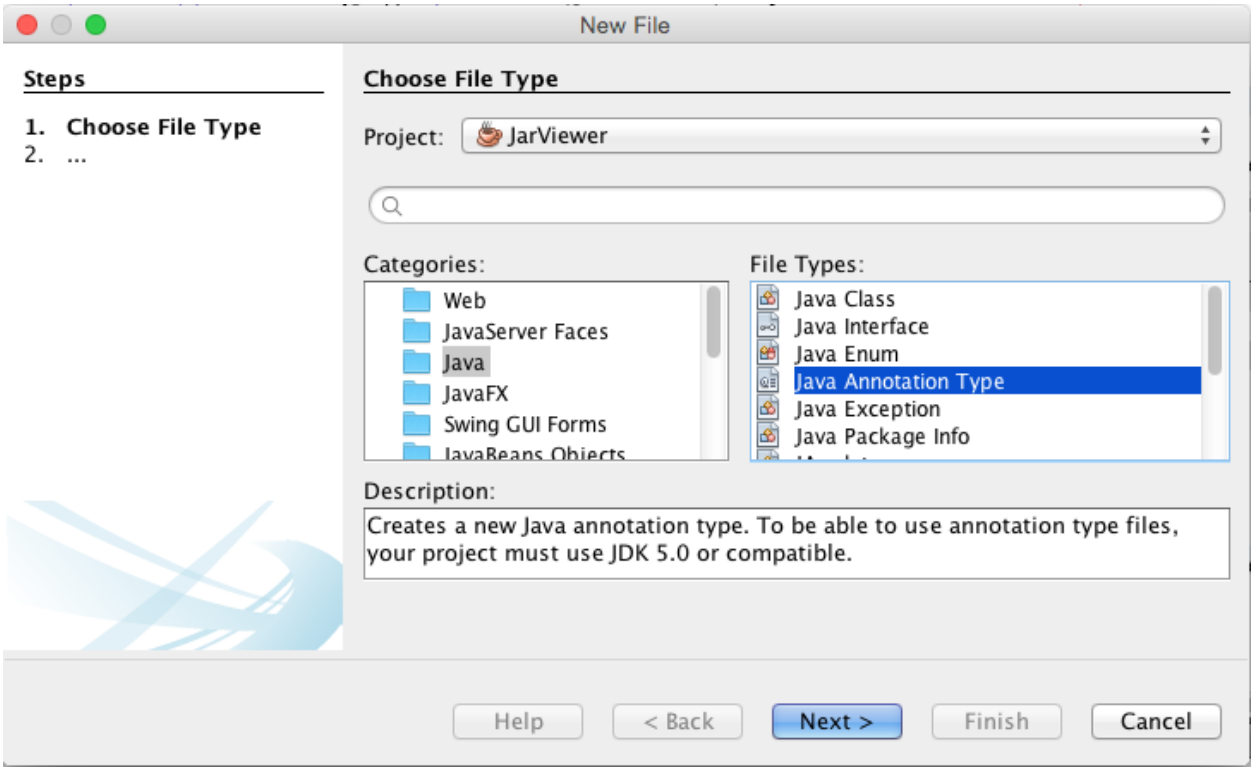

Window
Help
Projects ⌘1
Files ⌘2
Favorites ⌘3
Services ⌘5
Navigator ⌘7
Action Items ⌘6
Tasks ⇧⌘6
Output ⌘4
Editor ⌘0
Debugging
Profiling
Web
IDE Tools
Configure Window
Reset Windows
Close Window ⌘W
Close All Documents ⇧⌘W
Close Other Documents
Document Groups
Documents... ⇧F4

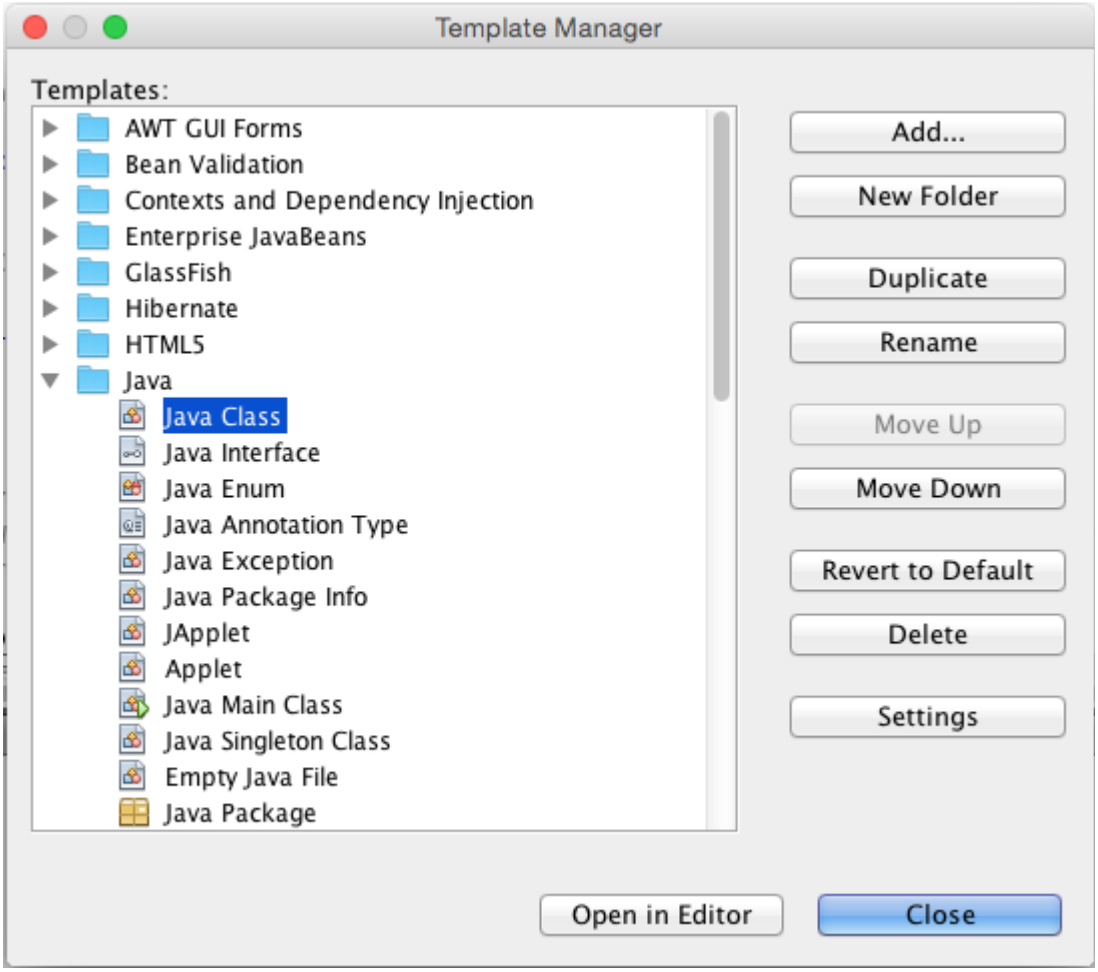

JarViewer - NetBeans IDE 8.0.2
<default conf...
Show History - JarViewer
MainFrame.java
index.html
faces-config.xml
Source
Design
History
To change layout manager of a container use Set Layout submenu from its context menu.
File
Help
Jar File
View
Item 1
Item 2
Item 3
Item 4
Item 5
Projects
Files
Services
Navigator

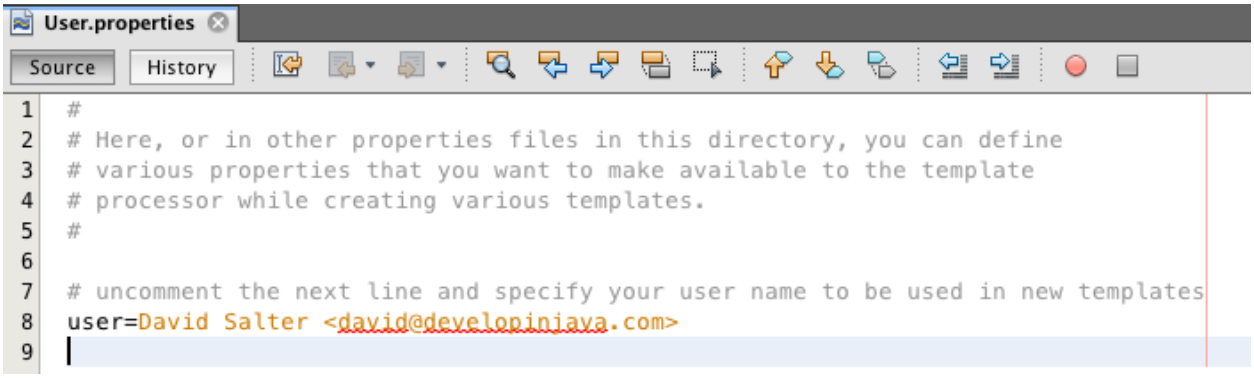

JarViewer - NetBeans IDE 8.0.2
<default conf...
Projects
Files
Services
Navigator
JarViewer
Source Packages
com.davidsalter.cookbook.jarviewer
com.davidsalter.cookbook.jarviewer.gui
AboutDialog.java
MainFrame.java
folder_explore.png
Libraries
kb
Web Pages
WEB-INF
beans.xml
faces-config.xml
web.xml
maint
resources
index.html
index.xhtml
viewArticle.xhtml
faces-config.xml
item allows you to modify the content of the Palette.
View

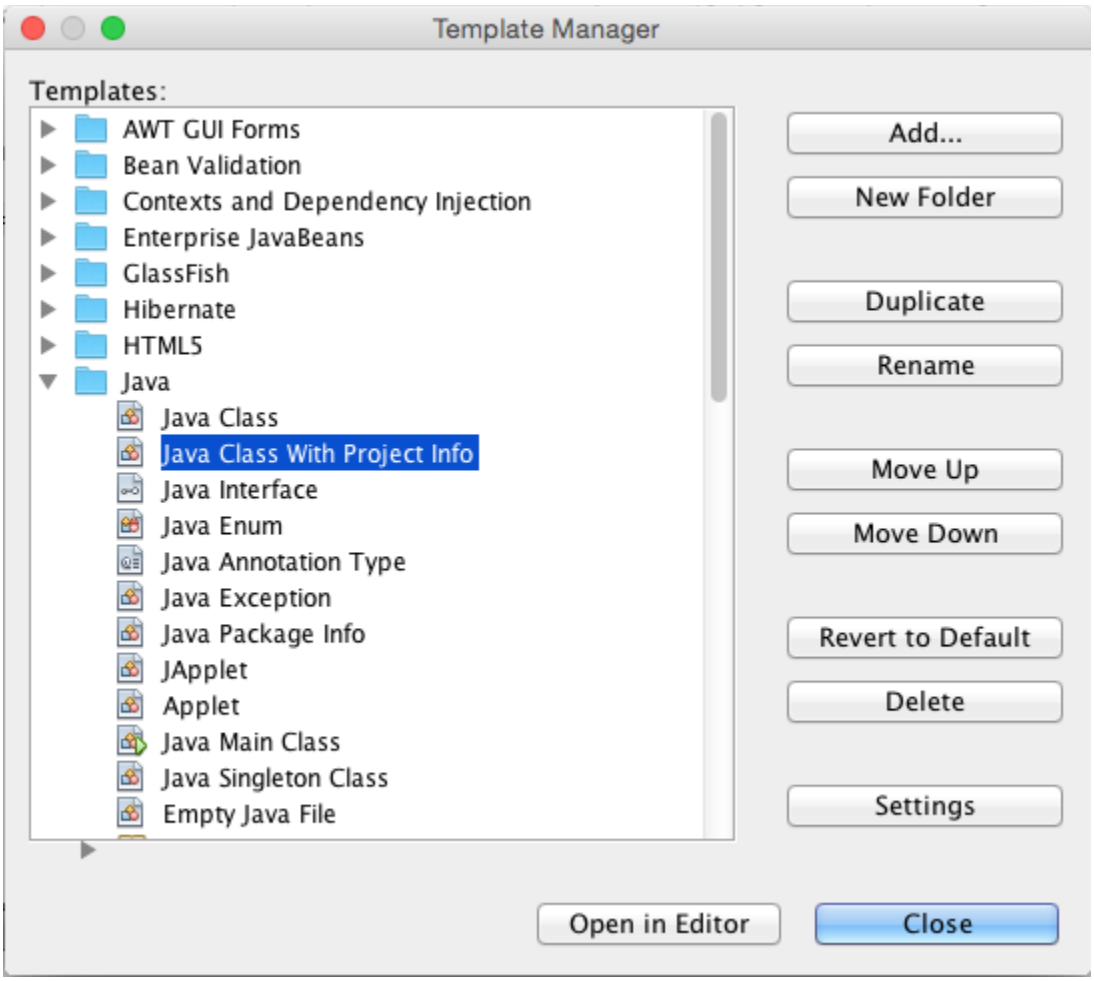

NetBeans IDE 8.0.2
Search (⌘+I)
Start Page
Customer.java
Source
History
Proje...
Favo...
Files
Databases
Web Services
Servers
Maven Repositories
Cloud
Hudson Builders
Task Repositories
JS Test Driver
Navigator
Members
<empty>
Customer
Customer()
getCreditAmount() : BigDecimal
getEmailAddress() : String
getId() : long
getName() : String
setCreditAmount(BigDecimal creditAmc
setEmailAddress(String emailAddress)
setId(long id)
public class Customer {
@Id
private long id;
@NotNull
private String name;
7:1
INS

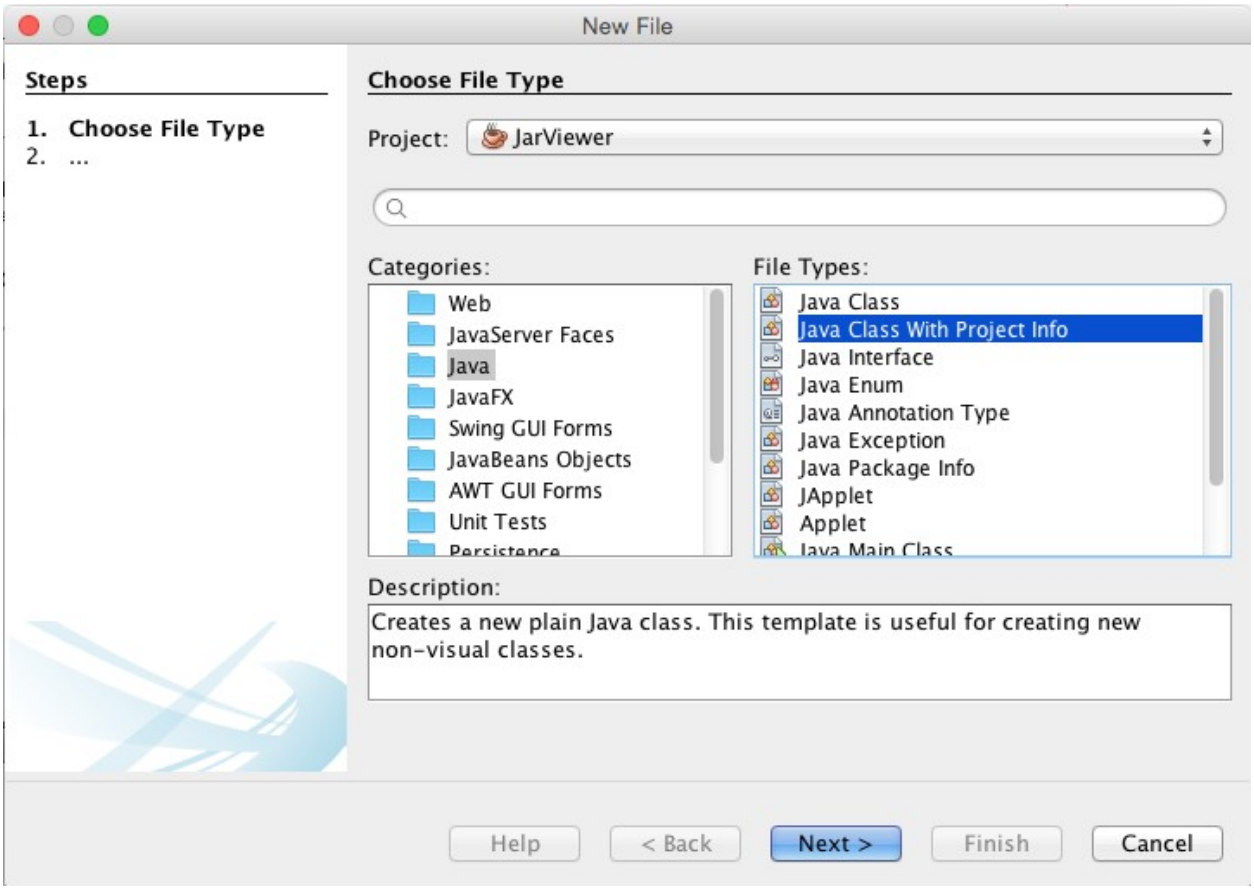

JarViewer - NetBeans IDE 8.0.2
Projects
JarViewer
Source Packages
com.davidsalter.cookbook.jarviewer
com.davidsalter.cookbook.jarviewer.gui
AboutDialog.java
MainFrame.java
folder_explore.png
Libraries
kb
Web Pages
WEB-INF
beans.xml
faces-config.xml
web.xml
parseJarFile - Navigator
Members
MainFrame :: JFrame
MainFrame()
aboutMenuItemActionPerformed(ActionEvent
exitMenuItemActionPerformed(ActionEvent ev
initComponents()
jarNameActionPerformed(ActionEvent evt)
main(String[] args)
parseJarFile()
viewButtonActionPerformed(ActionEvent evt)
MainFrame.java
Start Page
index.html
faces-config.xml
Source
Design
History
package com.davidsalter.cookbook.jarviewer.gui;
import java.awt.HeadlessException;
import java.io.FileInputStream;
import java.io.IOException;
import java.util.zip.ZipEntry;
import java.util.zip.ZipInputStream;
import javax.swing.DefaultListModel;
import javax.swing.JOptionPane;
private void viewButtonActionPerformed(java.awt.event.ActionEvent evt) {
parseJarFile();
}
private void parseJarFile() throws HeadlessException {
statusLabel.setText("Parsing JAR file");
try {
DefaultListModel model = new DefaultListModel();
ZipInputStream zip = new ZipInputStream(new FileInputStream(jarName.getText()));
for (ZipEntry entry = zip.getNextEntry(); entry != null; entry = zip.getNextEntry()) {
model.addElement(entry.getName());
}
jarEntries.setModel(model);
statusLabel.setText("Entries found: " + model.size());
Output
189:21
INS


New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
JarViewer
Categories:
Web
JavaServer Faces
Java
JavaFX
Swing GUI Forms
JavaBeans Objects
File Types:
Java Class
Java Interface
Java Enum
Java Annotation Type
Java Exception
Java Package Info
Description:
Creates a new Java annotation type. To be able to use annotation type files, your project must use JDK 5.0 or compatible.
Help
< Back
Next >
Finish
Cancel

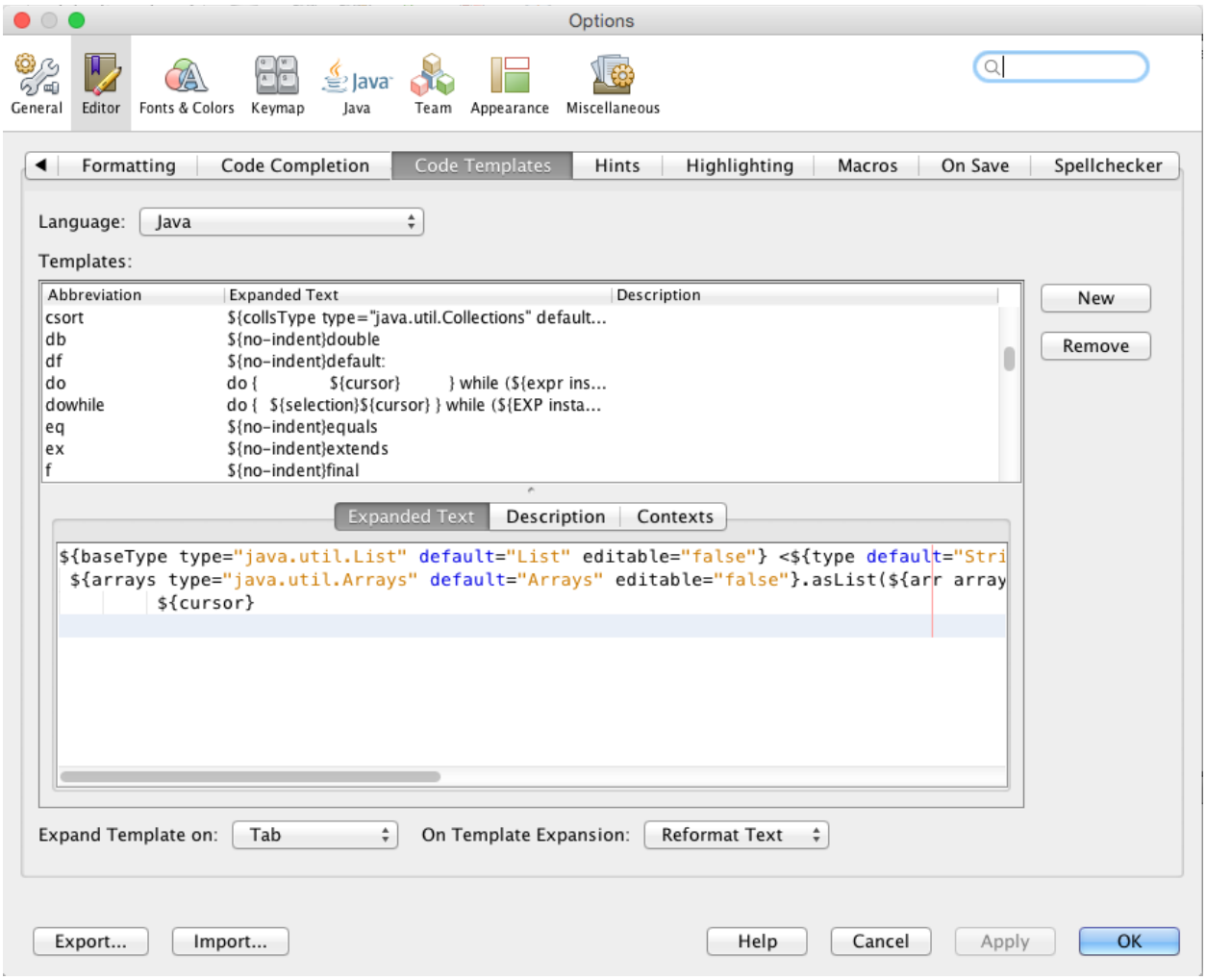

Template Manager
Templates:
AWT GUI Forms
Bean Validation
Contexts and Dependency Injection
Enterprise JavaBeans
GlassFish
Hibernate
HTML5
Java
Java Class
Java Interface
Java Enum
Java Annotation Type
Java Exception
Java Package Info
JApplet
Applet
Java Main Class
Java Singleton Class
Empty Java File
Java Package
Add...
New Folder
Duplicate
Rename
Move Up
Move Down
Revert to Default
Delete
Settings
Open in Editor
Close


User.properties
Source
History
1 #
2 # Here, or in other properties files in this directory, you can define
3 # various properties that you want to make available to the template
4 # processor while creating various templates.
5 #
6
7 # uncomment the next line and specify your user name to be used in new templates
8 user=David Salter <david@developinjava.com>
9

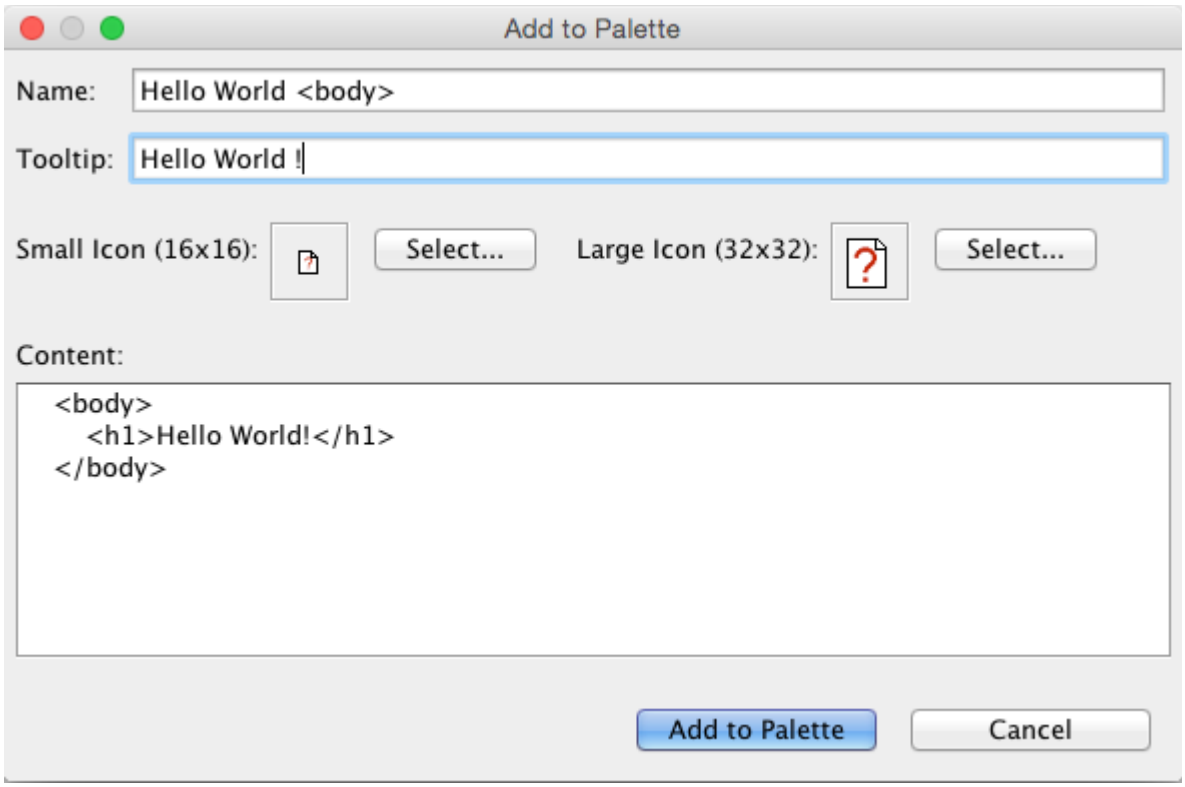

Template Manager
Templates:
AWT GUI Forms
Bean Validation
Contexts and Dependency Injection
Enterprise JavaBeans
GlassFish
Hibernate
HTML5
Java
Java Class
Java Class With Project Info
Java Interface
Java Enum
Java Annotation Type
Java Exception
Java Package Info
JApplet
Applet
Java Main Class
Java Singleton Class
Empty Java File
Add...
New Folder
Duplicate
Rename
Move Up
Move Down
Revert to Default
Delete
Settings
Open in Editor
Close

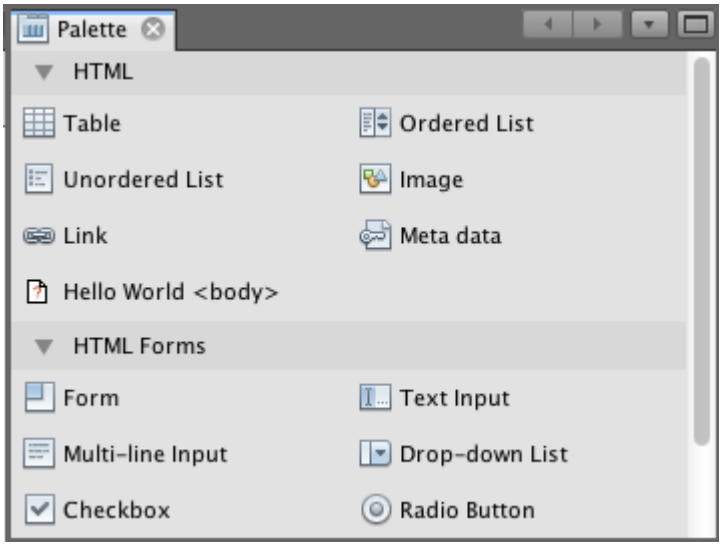


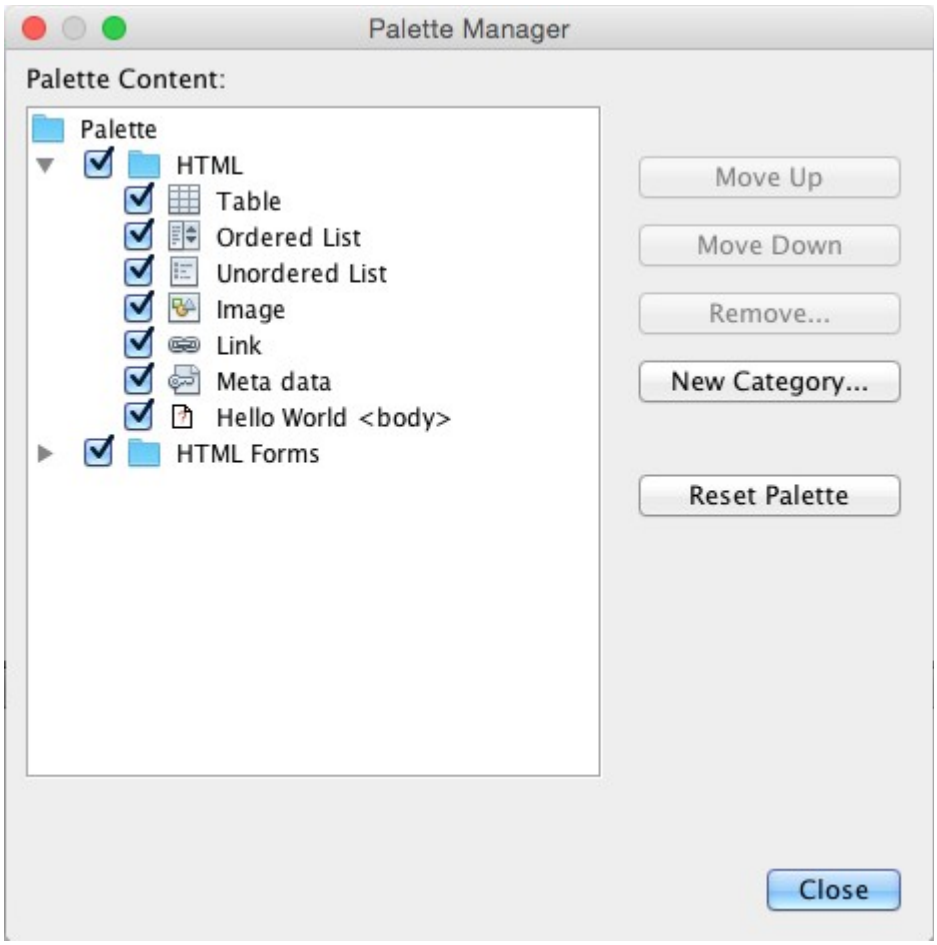

```
package com.davidsalter.cookbook.jarviewer;

/**
 * Project: JarViewer
 * http://www.packtpub.com
 *
 * @author David Salter <david@developinjava.com>
 */
public class FooFactory {

}
```

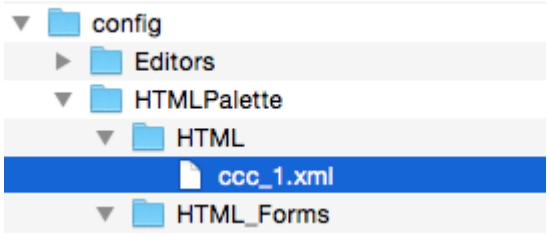


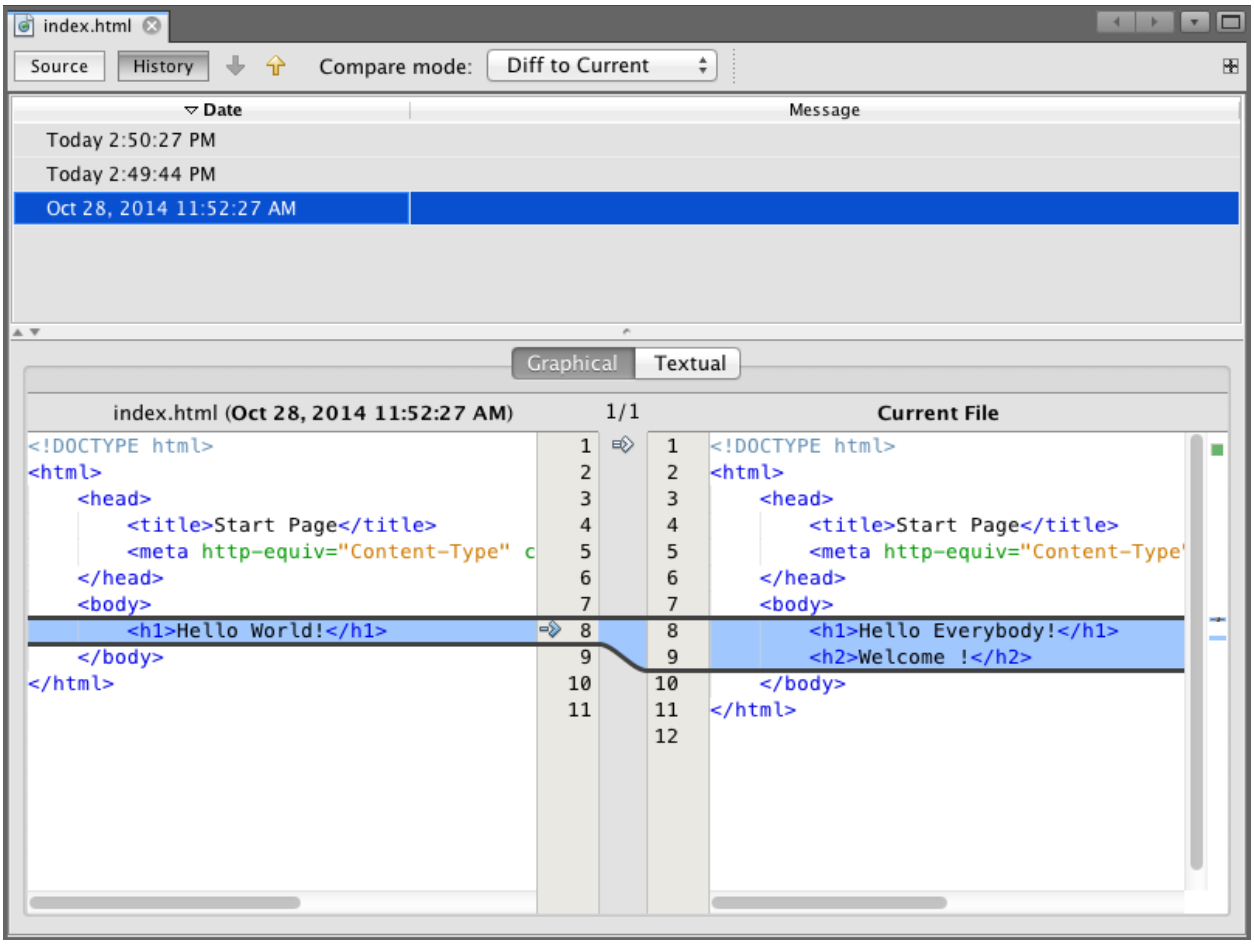

```
do {

} while (true);
```

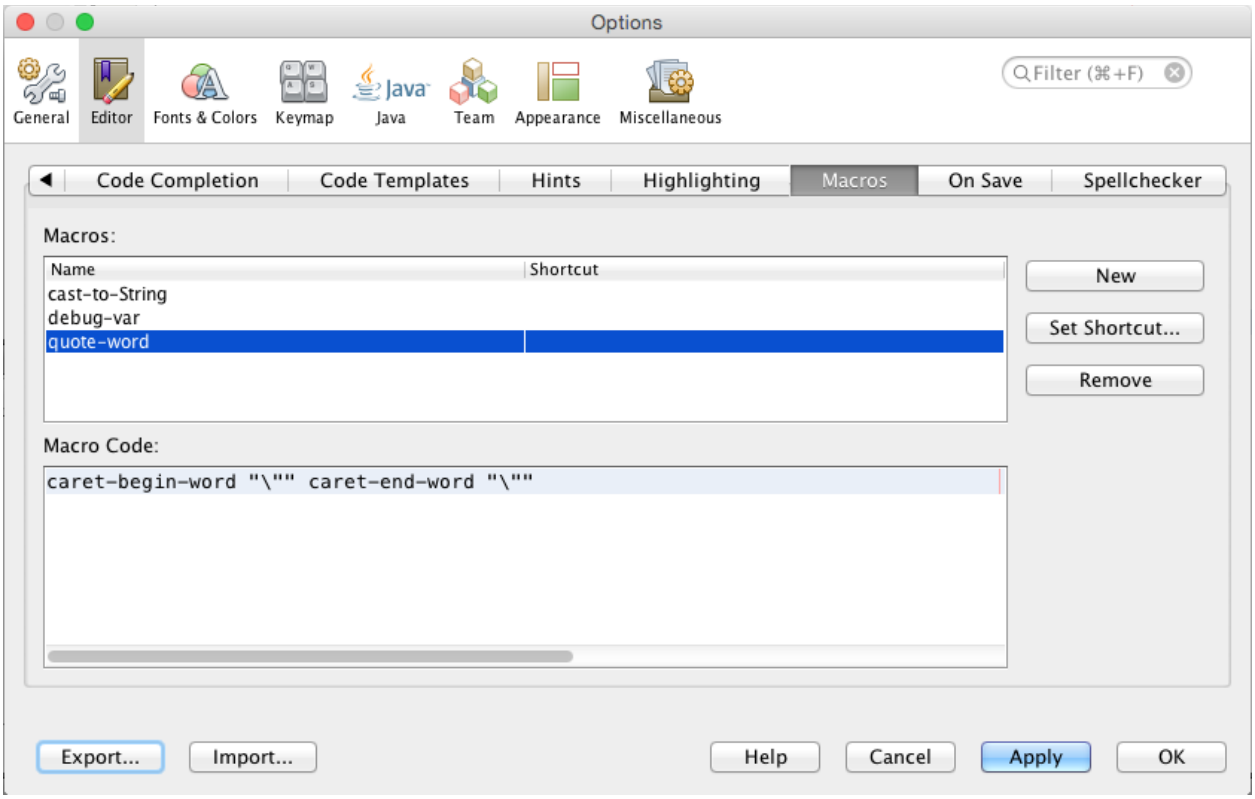

Add to Palette
Name:
Hello World <body>
Tooltip:
Hello World !
Small Icon (16x16):
Select...
Large Icon (32x32):
Select...
Content:
<body>
<h1>Hello World!</h1>
</body>
Add to Palette
Cancel

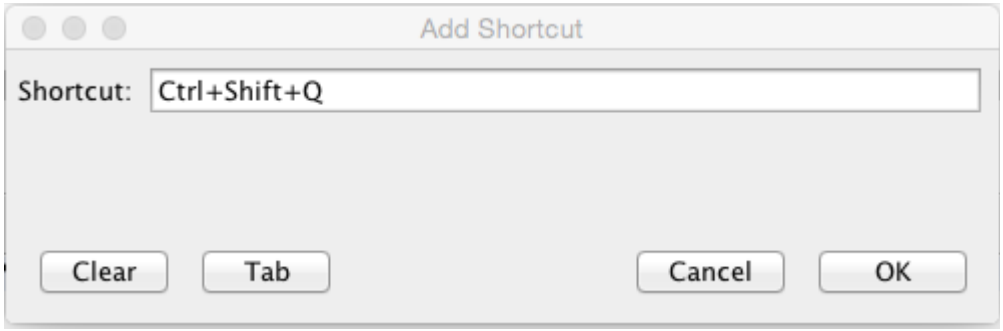

Palette
HTML
Table
Ordered List
Unordered List
Image
Link
Meta data
Hello World <body>
HTML Forms
Form
Text Input
Multi-line Input
Drop-down List
Checkbox
Radio Button


Palette Manager
Palette Content:
Palette
HTML
Table
Ordered List
Unordered List
Image
Link
Meta data
Hello World <body>
HTML Forms
Move Up
Move Down
Remove...
New Category...
Reset Palette
Close


config
Editors
HTMLPalette
HTML
ccc_1.xml
HTML_Forms

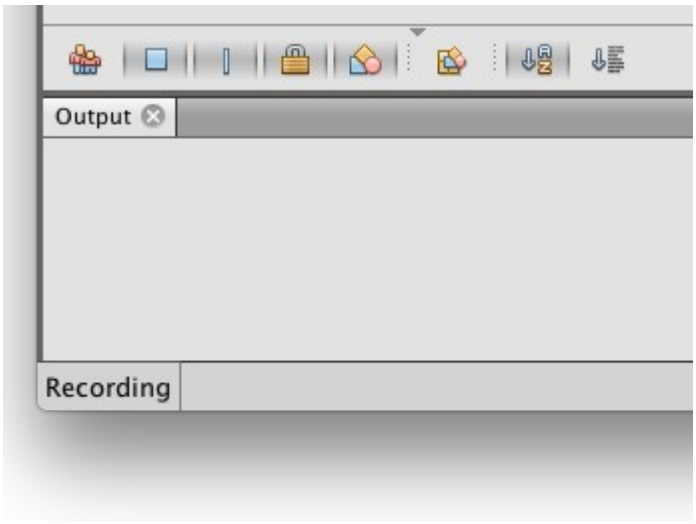

index.html
Source
History
Compare mode:
Diff to Current
Date
Message
Today 2:50:27 PM
Today 2:49:44 PM
Oct 28, 2014 11:52:27 AM
Graphical
Textual
index.html (Oct 28, 2014 11:52:27 AM)
1/1
Current File
<!DOCTYPE html>
<html>
<head>
<title>Start Page</title>
<meta http-equiv="Content-Type" c
</head>
<body>
<h1>Hello World!</h1>
</body>
</html>
<!DOCTYPE html>
<html>
<head>
<title>Start Page</title>
<meta http-equiv="Content-Type'
</head>
<body>
<h1>Hello Everybody!</h1>
<h2>Welcome !</h2>
</body>
</html>

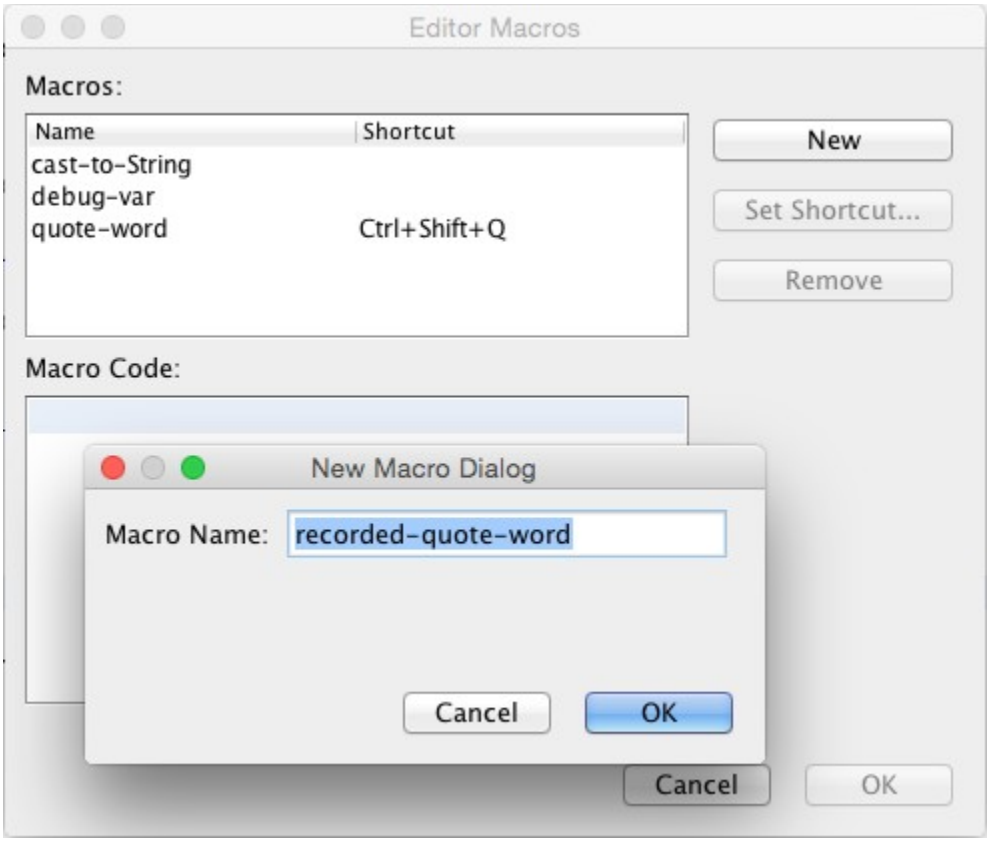

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
Filter (⌘+F)
Code Completion
Code Templates
Hints
Highlighting
Macros
On Save
Spellchecker
Macros:
Name
Shortcut
cast-to-String
debug-var
quote-word
New
Set Shortcut...
Remove
Macro Code:
caret-begin-word "\"" caret-end-word "\""
Export...
Import...
Help
Cancel
Apply
OK

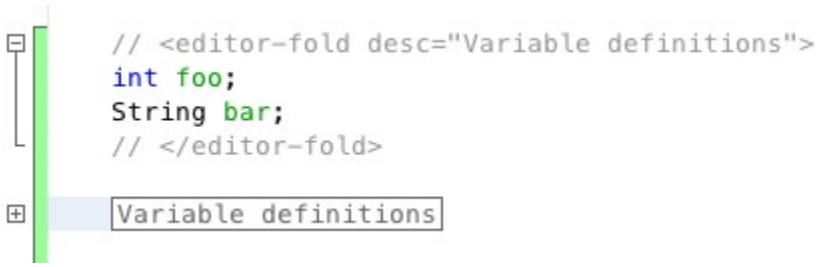

Add Shortcut
Shortcut:
Ctrl+Shift+Q
Clear
Tab
Cancel
OK

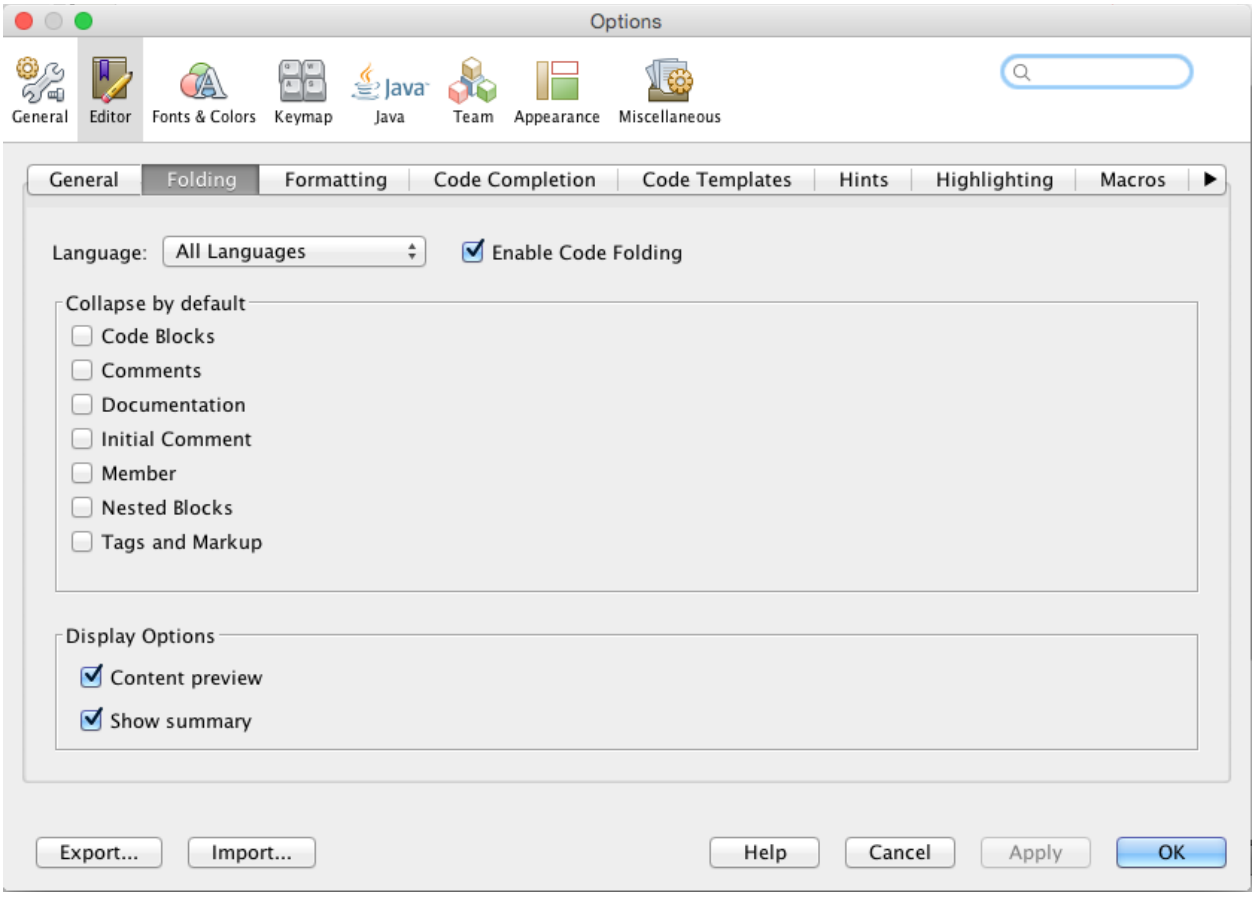
```
String world = Hello;
```

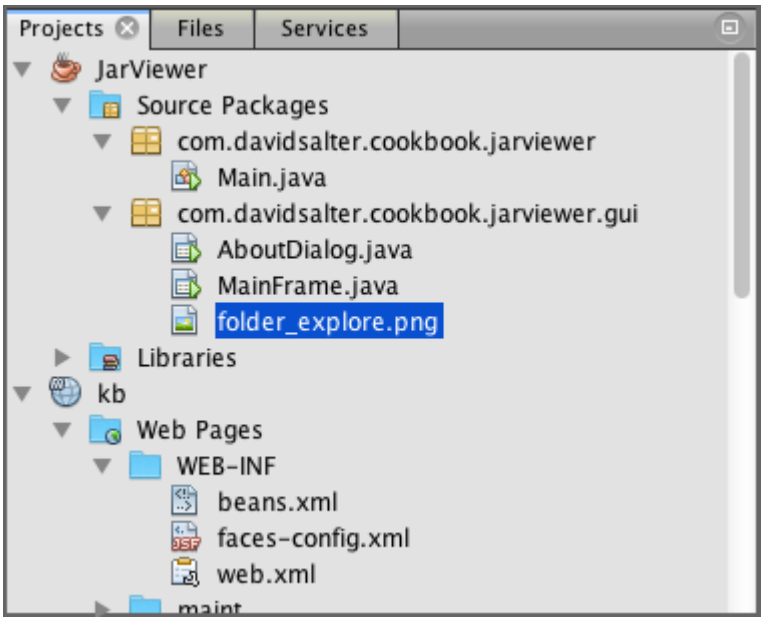
```
String world = "Hello";
```

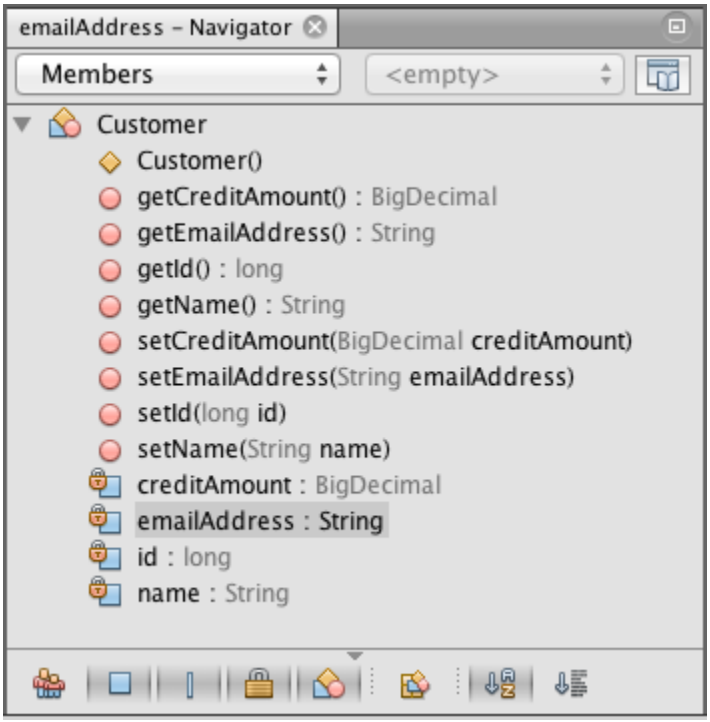


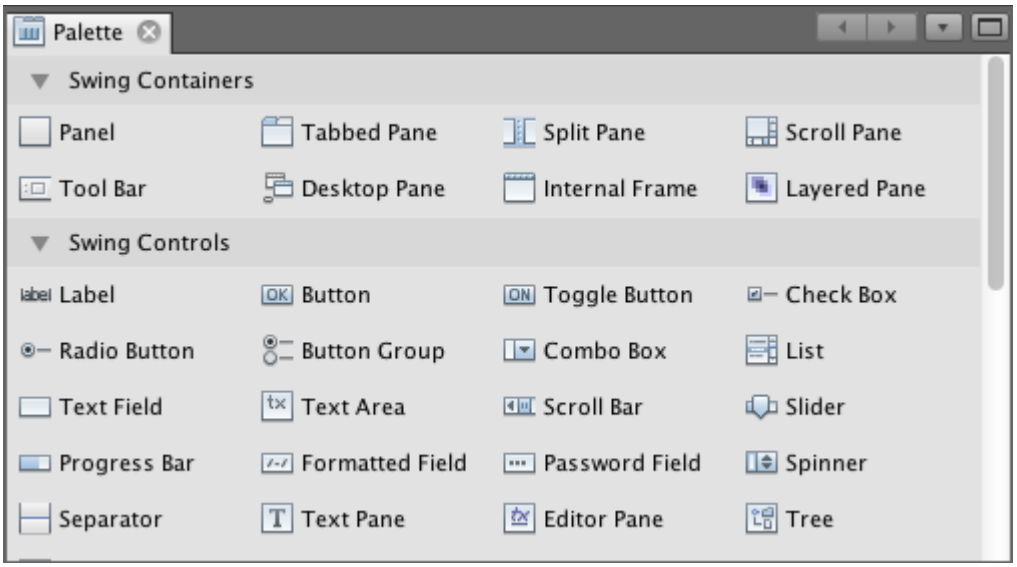


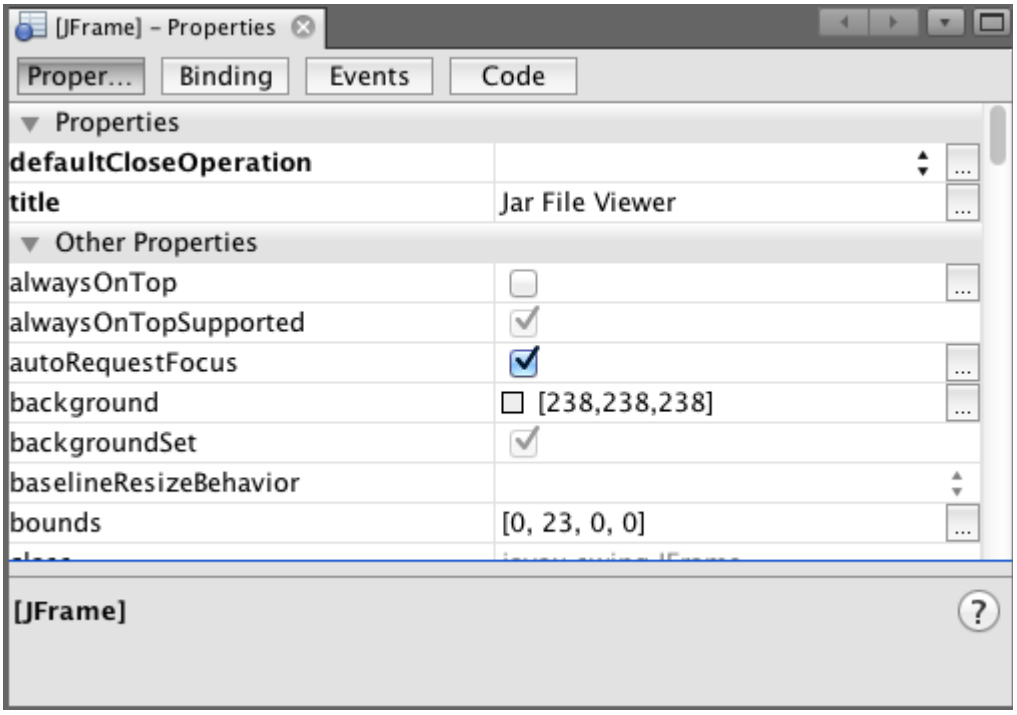

// <editor-fold desc="Variable definitions">
int foo;
String bar;
// </editor-fold>
Variable definitions

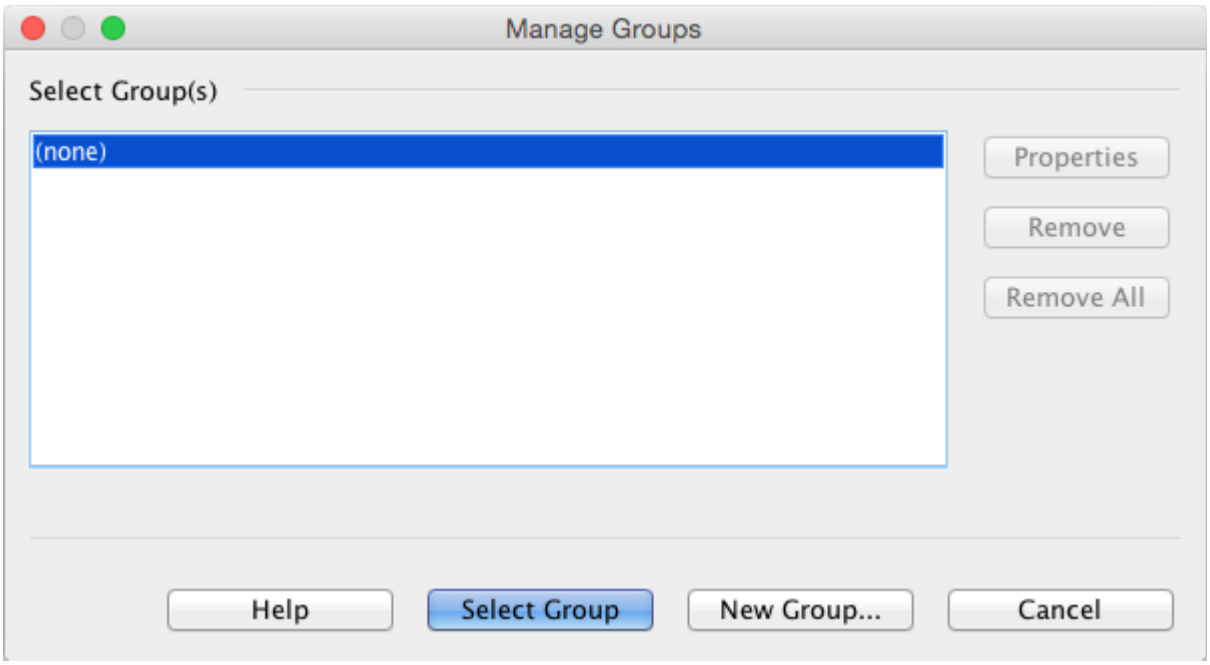

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
General
Folding
Formatting
Code Completion
Code Templates
Hints
Highlighting
Macros
Language:
All Languages
Enable Code Folding
Collapse by default
Code Blocks
Comments
Documentation
Initial Comment
Member
Nested Blocks
Tags and Markup
Display Options
Content preview
Show summary
Export...
Import...
Help
Cancel
Apply
OK

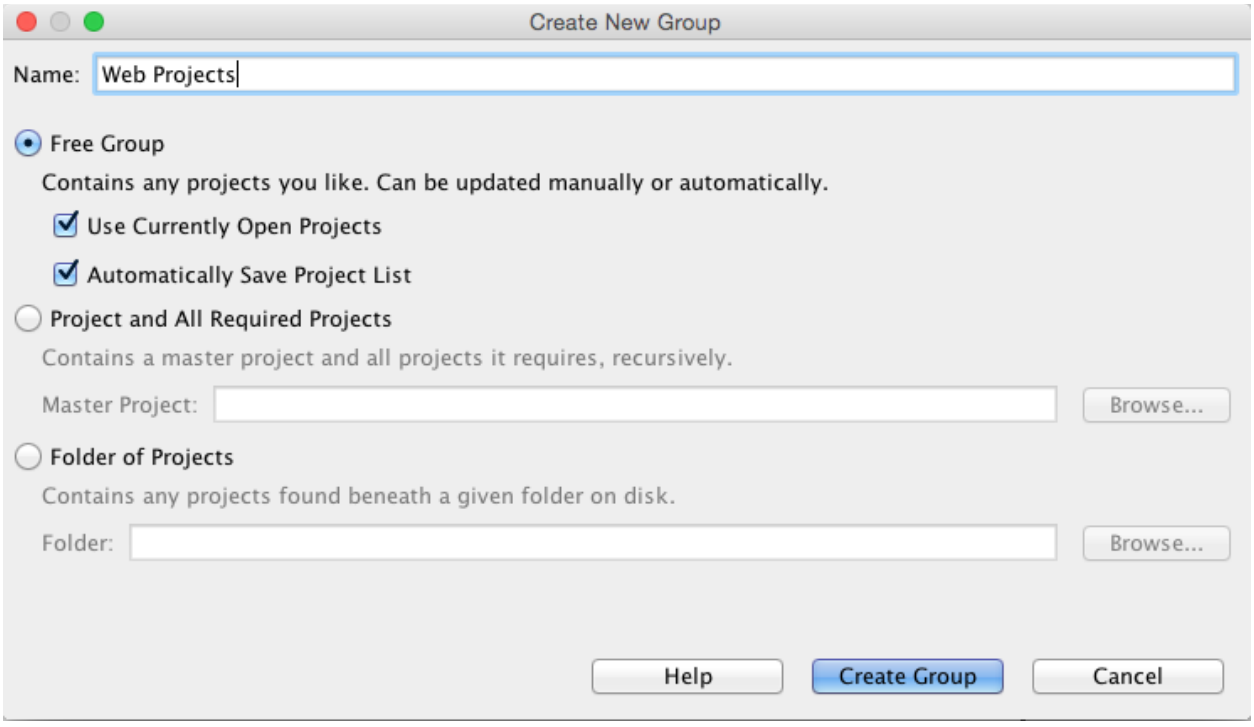

Projects
Files
Services
JarViewer
Source Packages
com.davidsalter.cookbook.jarviewer
Main.java
com.davidsalter.cookbook.jarviewer.gui
AboutDialog.java
MainFrame.java
folder_explore.png
Libraries
kb
Web Pages
WEB-INF
beans.xml
faces-config.xml
web.xml

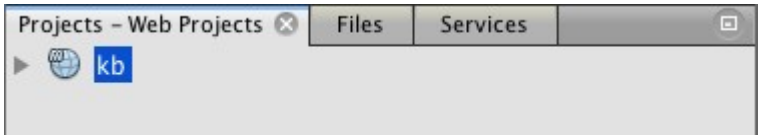

emailAddress - Navigator
Members
<empty>
Customer
Customer()
getCreditAmount() : BigDecimal
getEmailAddress() : String
getId() : long
getName() : String
setCreditAmount(BigDecimal creditAmount)
setEmailAddress(String emailAddress)
setId(long id)
setName(String name)
creditAmount : BigDecimal
emailAddress : String
id : long
name : String

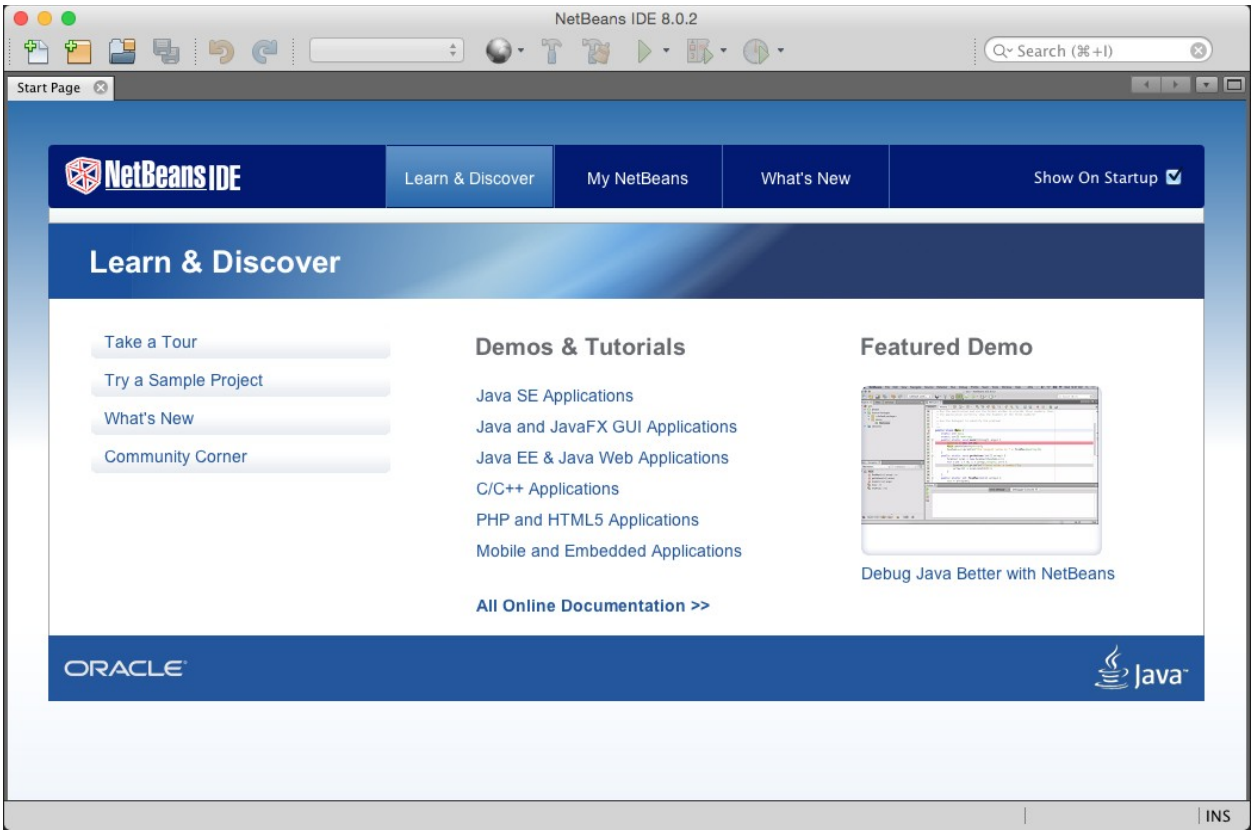

Palette
Swing Containers
Panel
Tabbed Pane
Split Pane
Scroll Pane
Tool Bar
Desktop Pane
Internal Frame
Layered Pane
Swing Controls
Label
Button
Toggle Button
Check Box
Radio Button
Button Group
Combo Box
List
Text Field
Text Area
Scroll Bar
Slider
Progress Bar
Formatted Field
Password Field
Spinner
Separator
Text Pane
Editor Pane
Tree

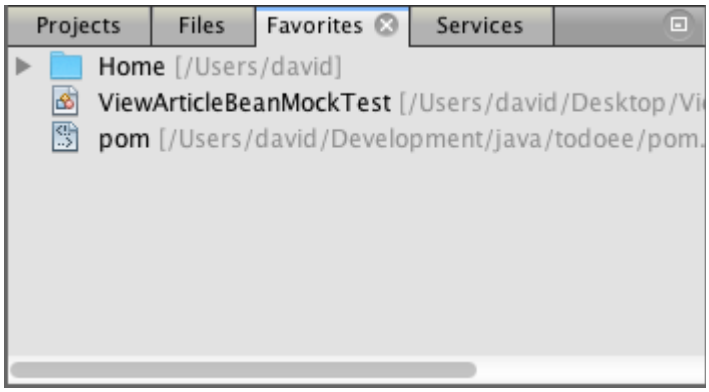

[JFrame] - Properties
Proper...
Binding
Events
Code
Properties
defaultCloseOperation
title
Jar File Viewer
Other Properties
alwaysOnTop
alwaysOnTopSupported
autoRequestFocus
background
[238,238,238]
backgroundSet
baselineResizeBehavior
bounds
[0, 23, 0, 0]
[JFrame]

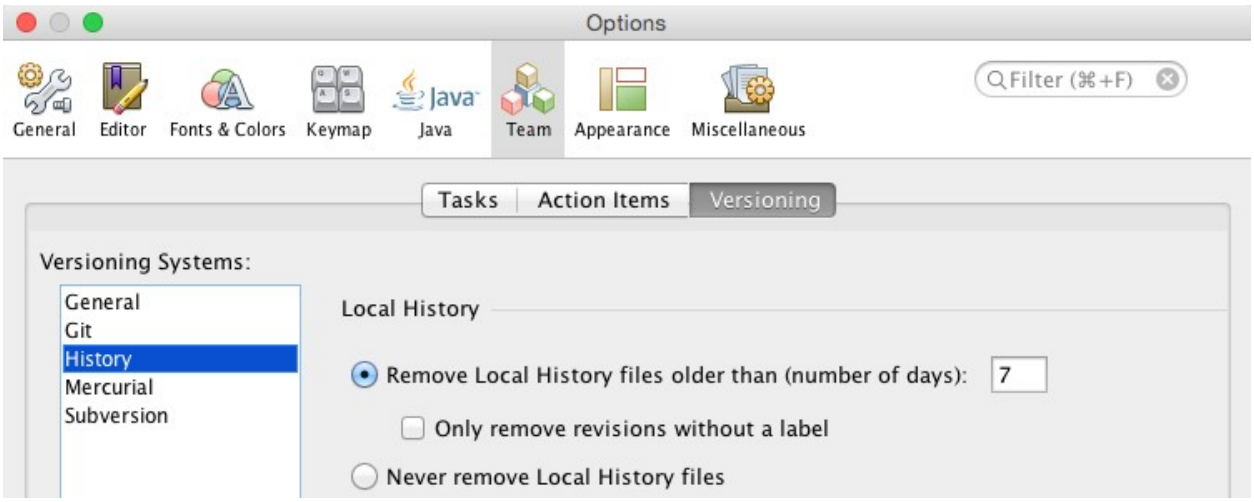

Manage Groups
Select Group(s)
(none)
Properties
Remove
Remove All
Help
Select Group
New Group...
Cancel

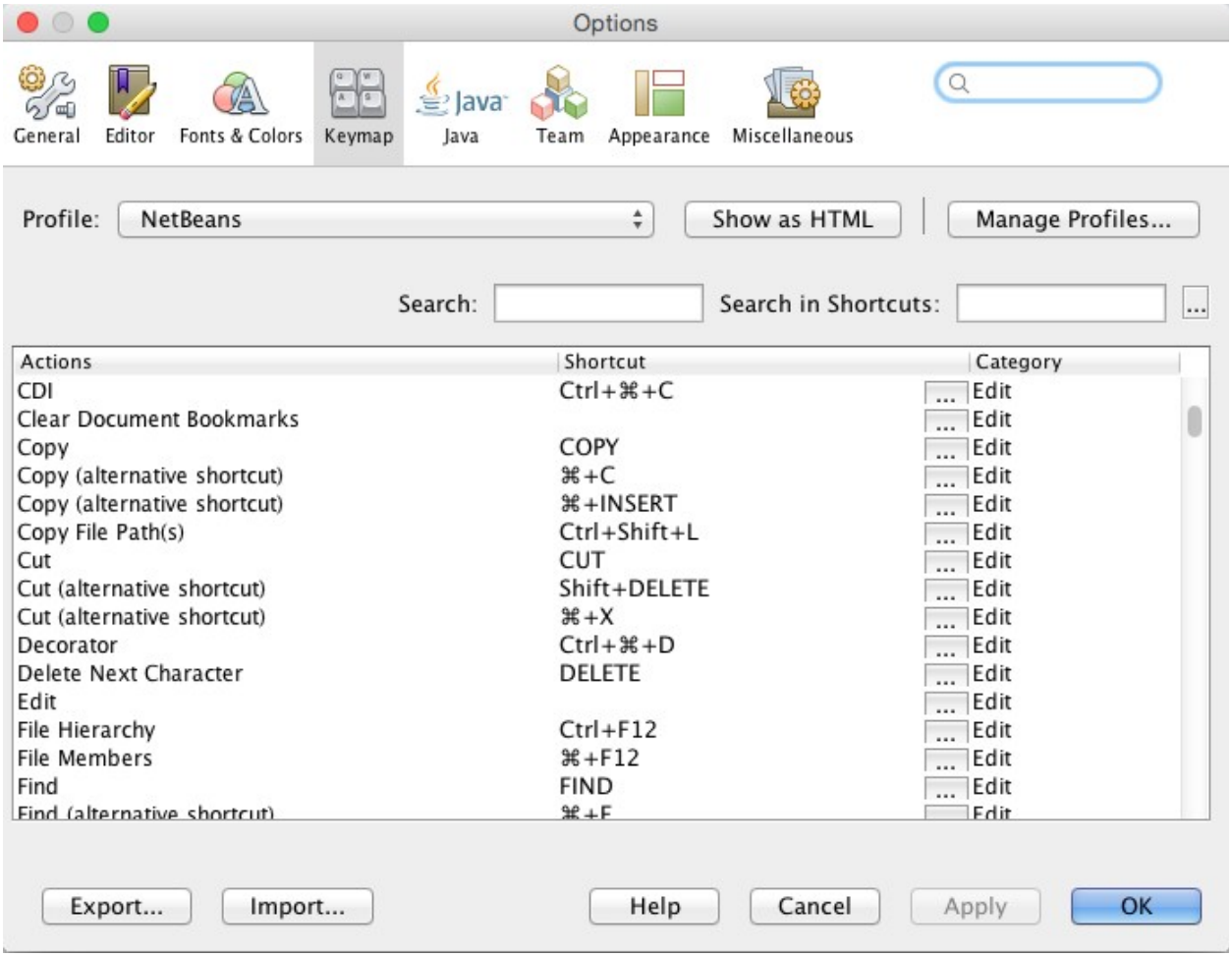

Create New Group
Name: Web Projects
Free Group
Contains any projects you like. Can be updated manually or automatically.
Use Currently Open Projects
Automatically Save Project List
Project and All Required Projects
Contains a master project and all projects it requires, recursively.
Master Project:
Browse...
Folder of Projects
Contains any projects found beneath a given folder on disk.
Folder:
Browse...
Help
Create Group
Cancel


Projects – Web Projects
Files
Services
kb

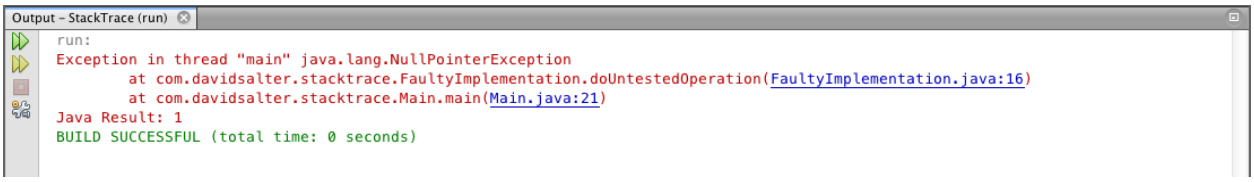

NetBeans IDE 8.0.2
Search (⌘+I)
Start Page
NetBeans IDE
Learn & Discover
My NetBeans
What's New
Show On Startup
Learn & Discover
Take a Tour
Try a Sample Project
What's New
Community Corner
Demos & Tutorials
Java SE Applications
Java and JavaFX GUI Applications
Java EE & Java Web Applications
C/C++ Applications
PHP and HTML5 Applications
Mobile and Embedded Applications
All Online Documentation >>
Featured Demo
Debug Java Better with NetBeans
ORACLE
Java
INS

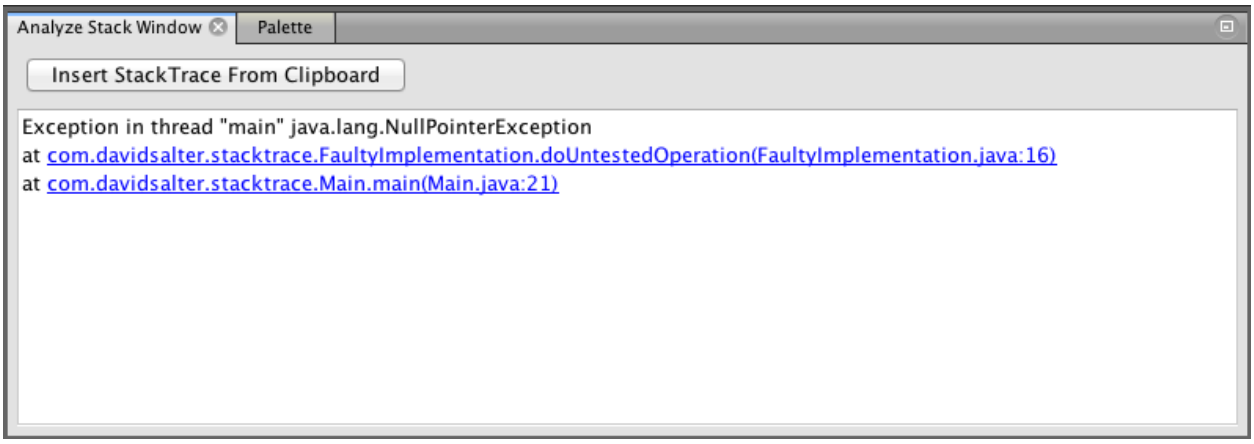

Projects
Files
Favorites
Services
Home [/Users/david]
ViewArticleBeanMockTest [/Users/david/Desktop/Vi
pom [/Users/david/Development/java/todoee/pom.

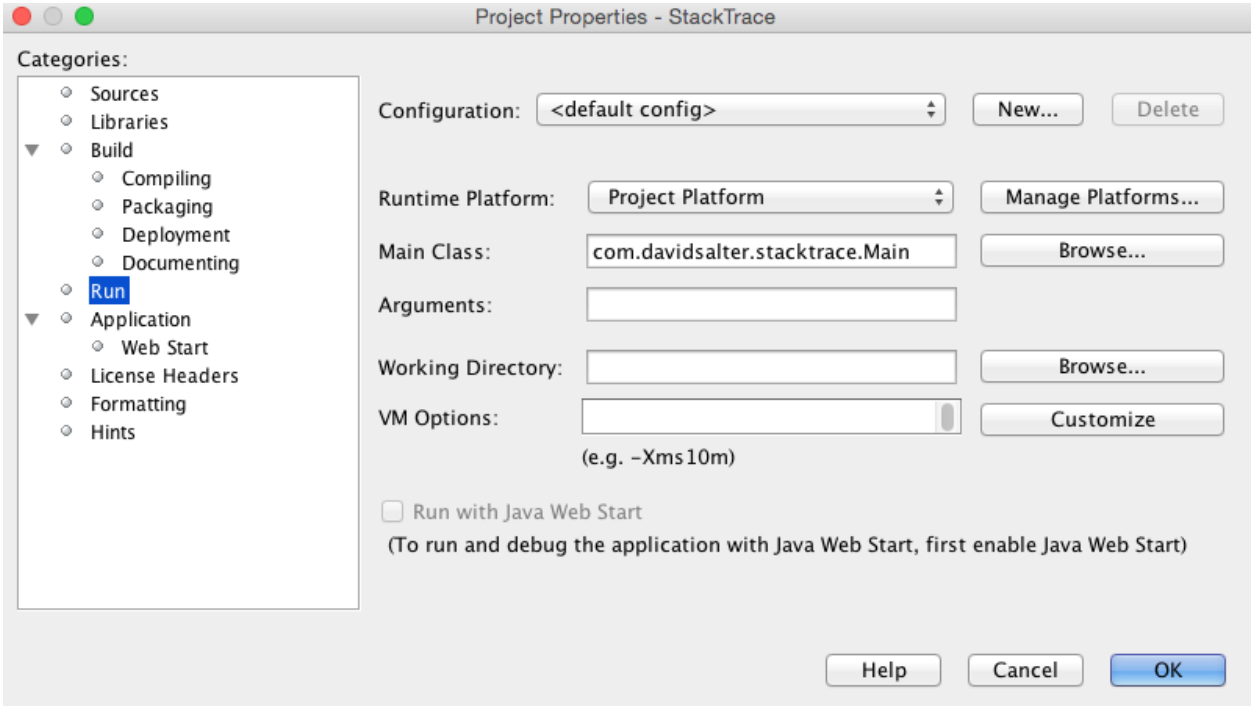

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
Filter (⌘+F)
Tasks
Action Items
Versioning
Versioning Systems:
General
Git
History
Mercurial
Subversion
Local History
Remove Local History files older than (number of days):
7
Only remove revisions without a label
Never remove Local History files

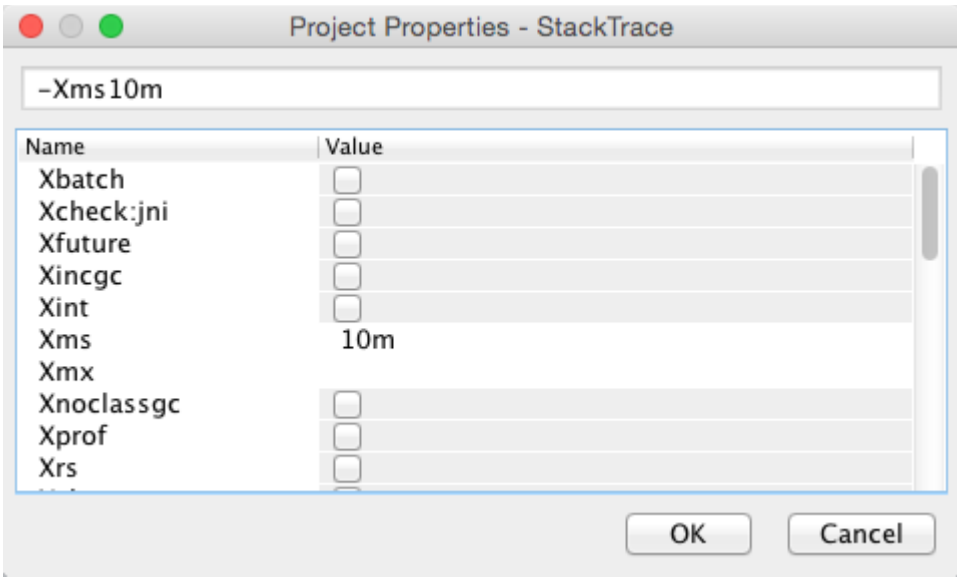

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
Profile:
NetBeans
Show as HTML
Manage Profiles...
Search:
Search in Shortcuts:
Actions
Shortcut
Category
CDI
Ctrl+⌘+C
Edit
Clear Document Bookmarks
Edit
Copy
COPY
Edit
Copy (alternative shortcut)
⌘+C
Edit
Copy (alternative shortcut)
⌘+INSERT
Edit
Copy File Path(s)
Ctrl+Shift+L
Edit
Cut
CUT
Edit
Cut (alternative shortcut)
Shift+DELETE
Edit
Cut (alternative shortcut)
⌘+X
Edit
Decorator
Ctrl+⌘+D
Edit
Delete Next Character
DELETE
Edit
Edit
Edit
File Hierarchy
Ctrl+F12
Edit
File Members
⌘+F12
Edit
Find
FIND
Edit
Find (alternative shortcut)
⌘+F
Edit
Export...
Import...
Help
Cancel
Apply
OK

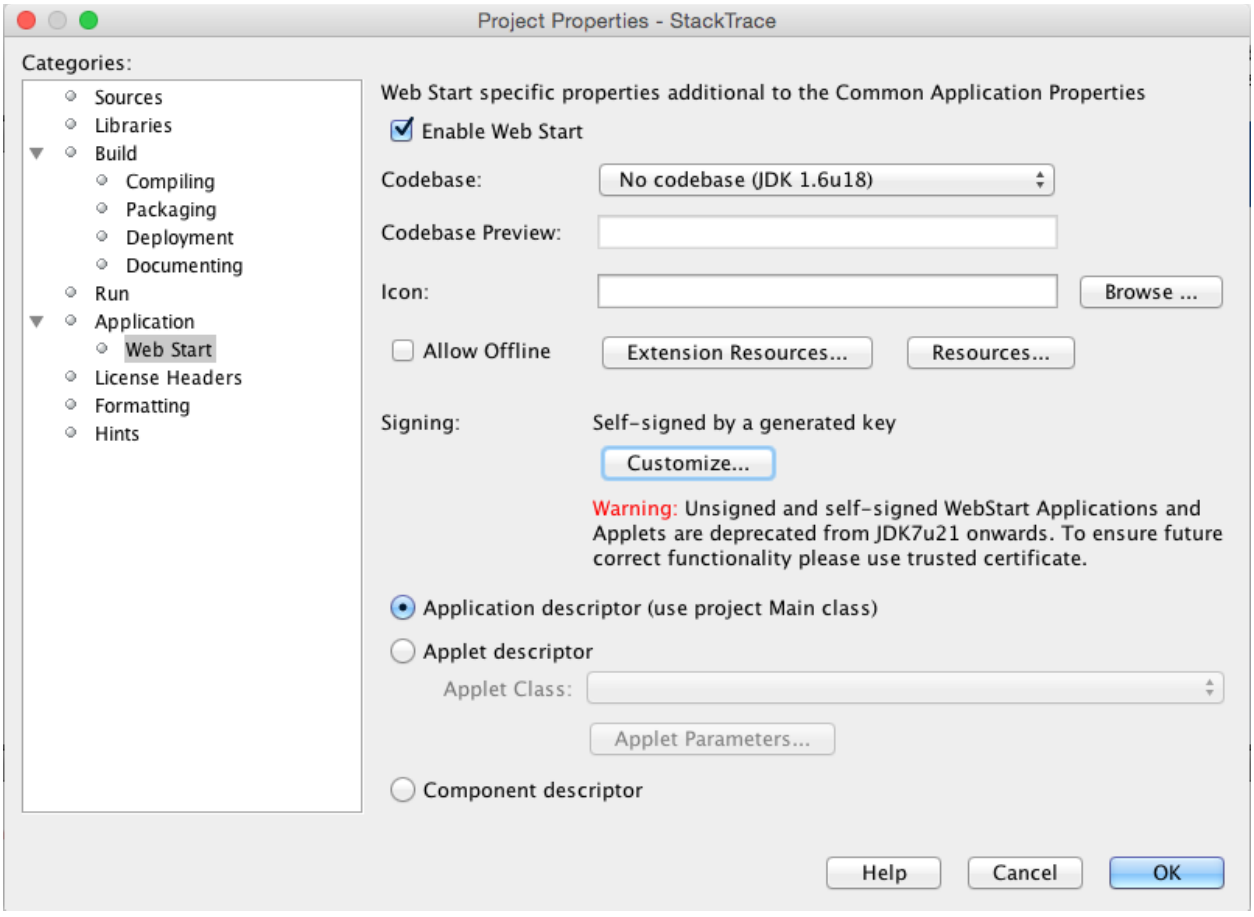
Chapter 3: The NetBeans Developer's Life Cycle

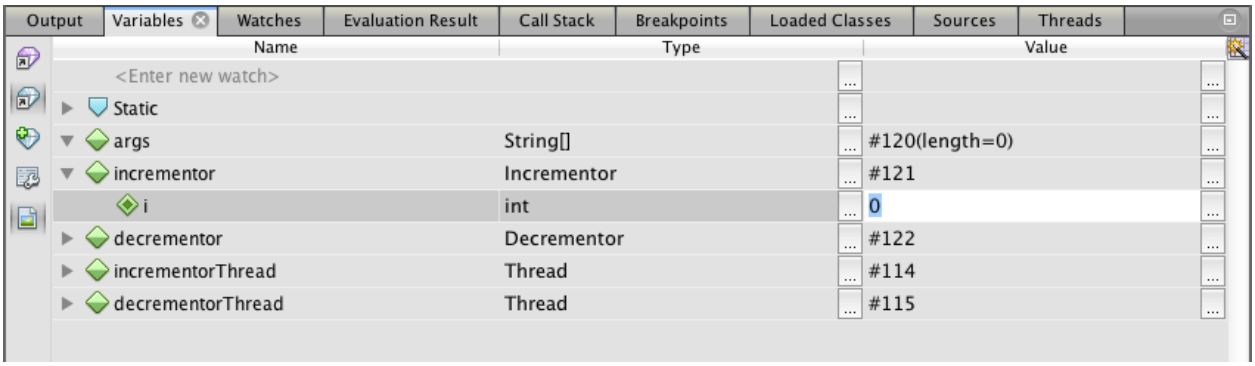


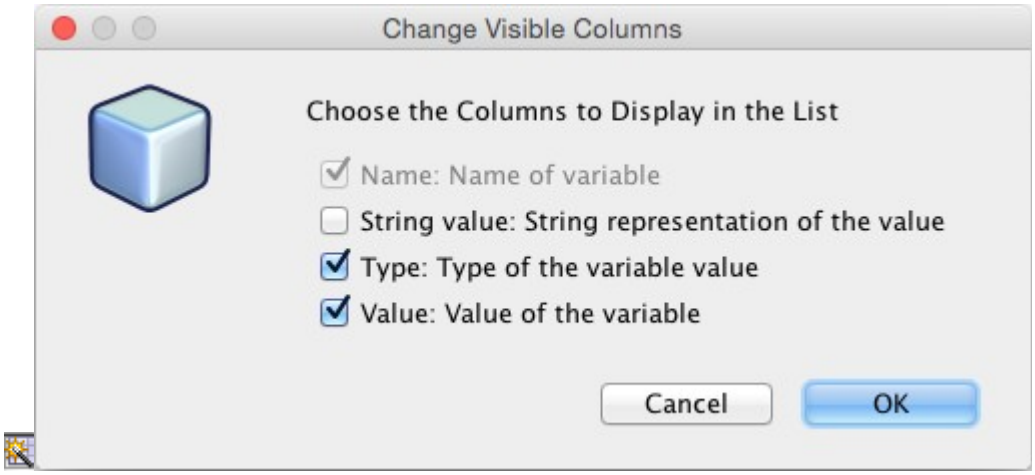


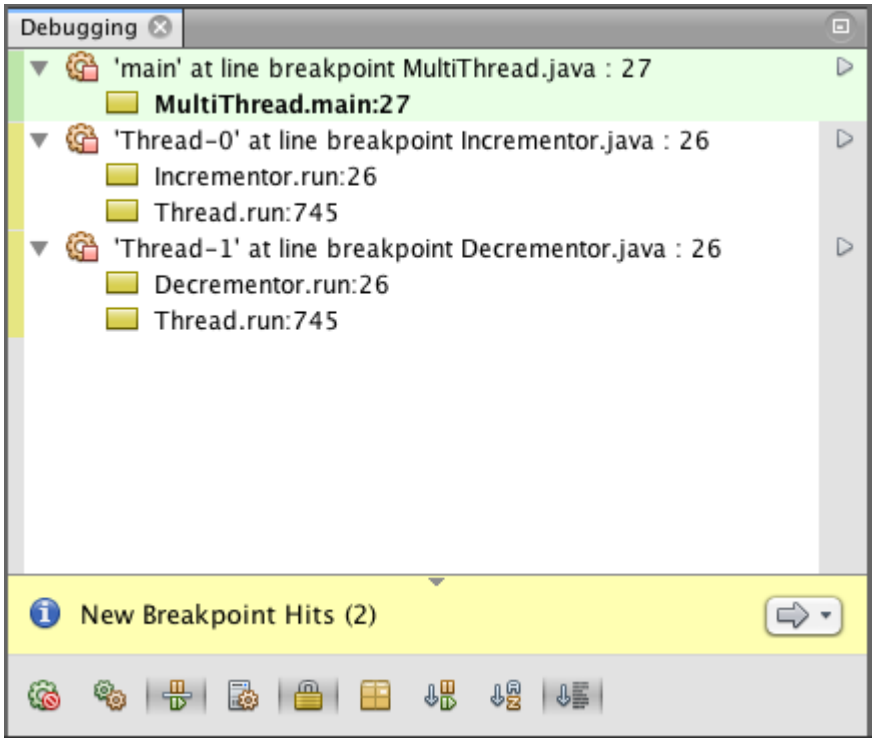


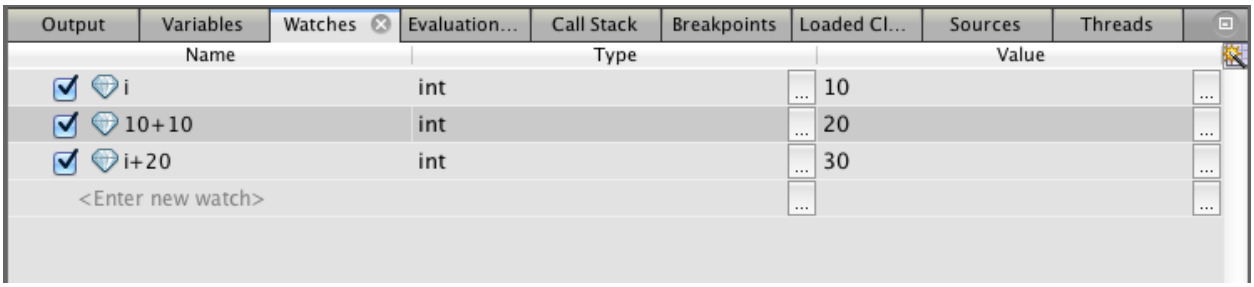

Project Properties - StackTrace
-Xms10m
Name
Value
Xbatch
Xcheck:jni
Xfuture
Xincgc
Xint
Xms
10m
Xmx
Xnoclassgc
Xprof
Xrs
OK
Cancel

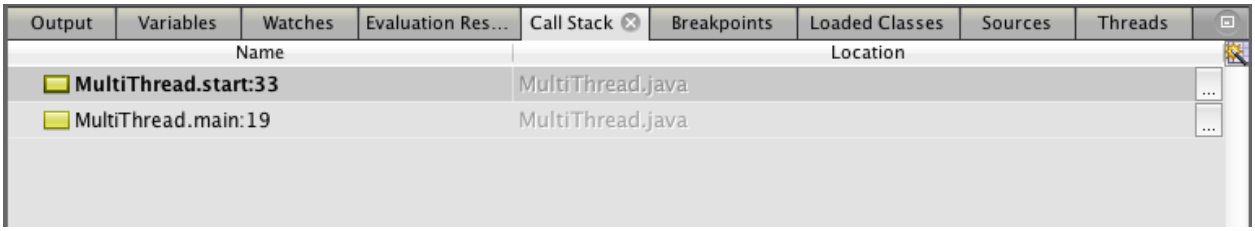

Project Properties - StackTrace
Categories:
Sources
Libraries
Build
Compiling
Packaging
Deployment
Documenting
Run
Application
Web Start
License Headers
Formatting
Hints
Web Start specific properties additional to the Common Application Properties
Enable Web Start
Codebase:
No codebase (JDK 1.6u18)
Codebase Preview:
Icon:
Browse ...
Allow Offline
Extension Resources...
Resources...
Signing:
Self-signed by a generated key
Customize...
Warning: Unsigned and self-signed WebStart Applications and Applets are deprecated from JDK7u21 onwards. To ensure future correct functionality please use trusted certificate.
Application descriptor (use project Main class)
Applet descriptor
Applet Class:
Applet Parameters...
Component descriptor
Help
Cancel
OK

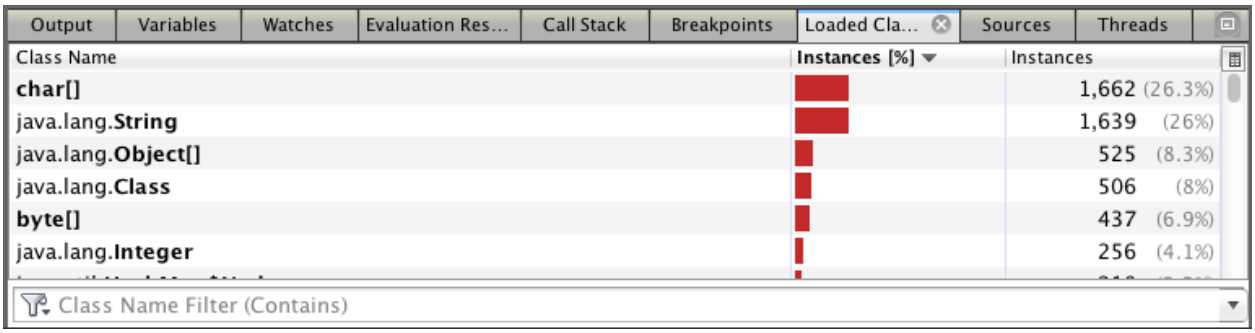

Output
Variables
Watches
Evaluation Result
Call Stack
Breakpoints
Loaded Classes
Sources
Threads
Name
Type
Value
<Enter new watch>
Static
args
String[]
#120(length=0)
incrementor
Incrementor
#121
i
int
0
decrementor
Decrementor
#122
incrementorThread
Thread
#114
decrementorThread
Thread
#115

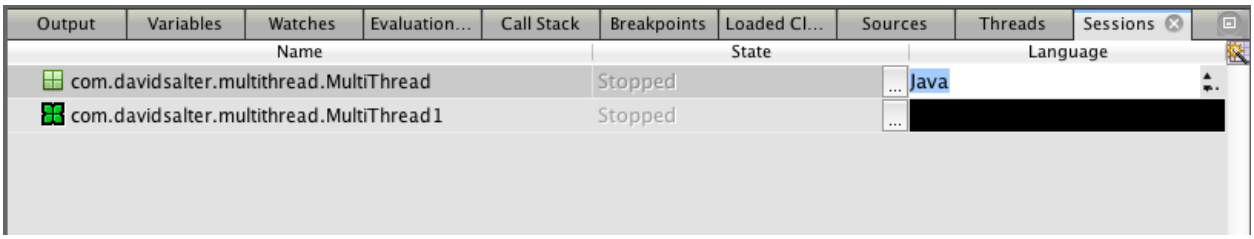

Change Visible Columns
Choose the Columns to Display in the List
Name: Name of variable
String value: String representation of the value
Type: Type of the variable value
Value: Value of the variable
Cancel
OK

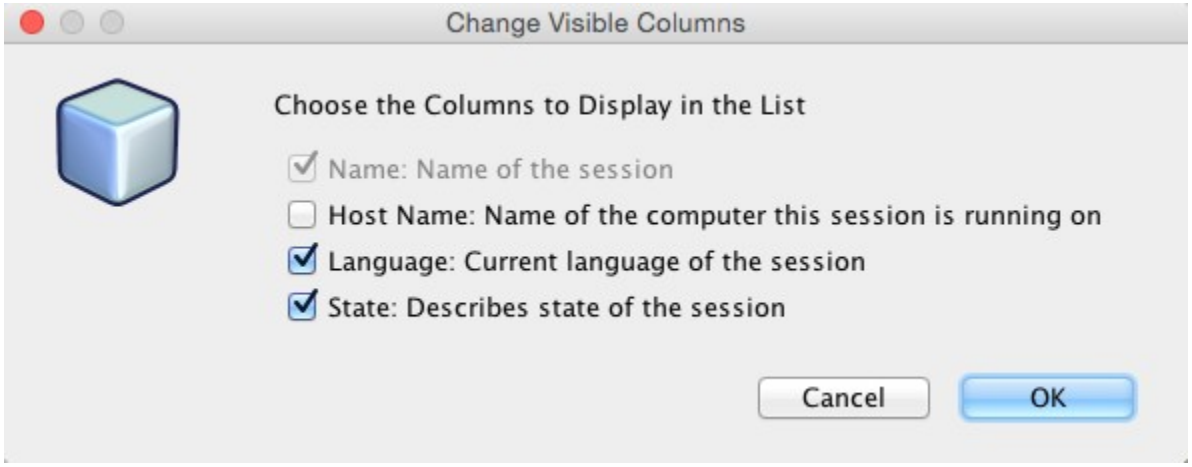

Debugging
'main' at line breakpoint MultiThread.java : 27
MultiThread.main:27
'Thread-0' at line breakpoint Incrementor.java : 26
Incrementor.run:26
Thread.run:745
'Thread-1' at line breakpoint Decrementor.java : 26
Decrementor.run:26
Thread.run:745
New Breakpoint Hits (2)

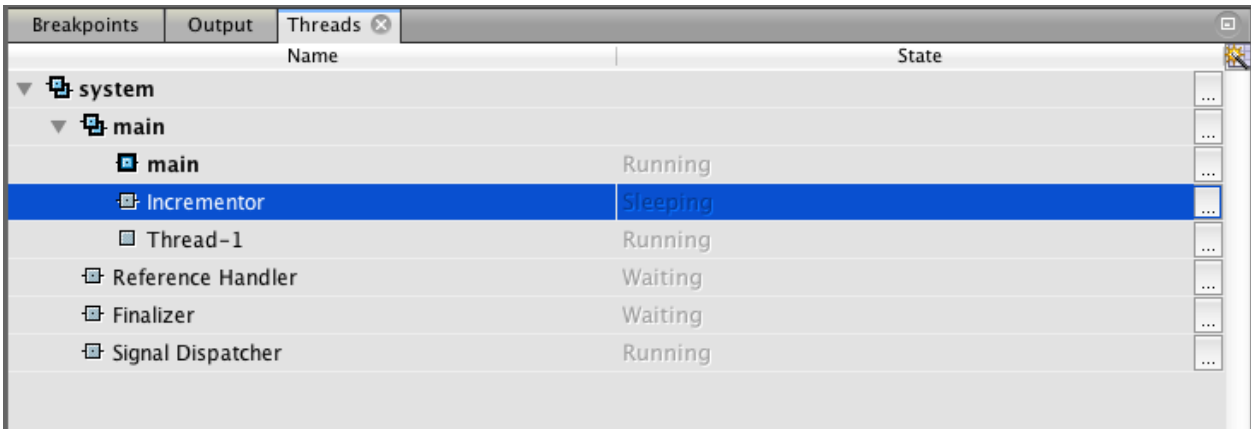

Output
Variables
Watches
Evaluation...
Call Stack
Breakpoints
Loaded Cl...
Sources
Threads
Name
Type
Value
i
int
10
10+10
int
20
i+20
int
30
<Enter new watch>


Output
Variables
Watches
Evaluation Res...
Call Stack
Breakpoints
Loaded Classes
Sources
Threads
Name
Location
MultiThread.start:33
MultiThread.java
MultiThread.main:19
MultiThread.java

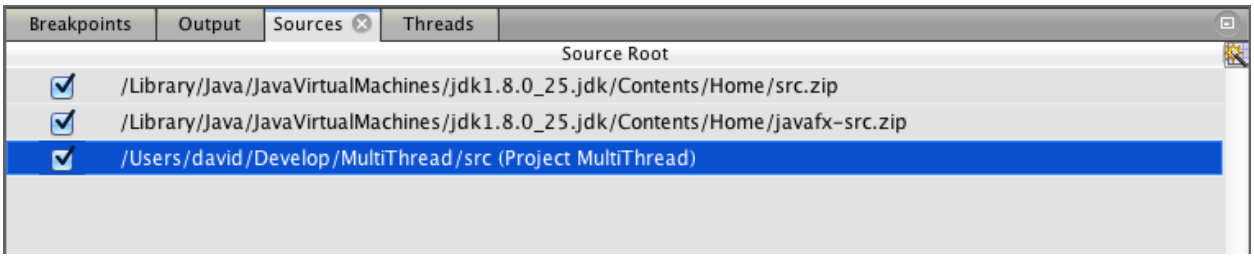

Output
Variables
Watches
Evaluation Res...
Call Stack
Breakpoints
Loaded Cla...
Sources
Threads
Class Name
Instances [%]
Instances
char[]
1,662 (26.3%)
java.lang.String
1,639 (26%)
java.lang.Object[]
525 (8.3%)
java.lang.Class
506 (8%)
byte[]
437 (6.9%)
java.lang.Integer
256 (4.1%)
Class Name Filter (Contains)

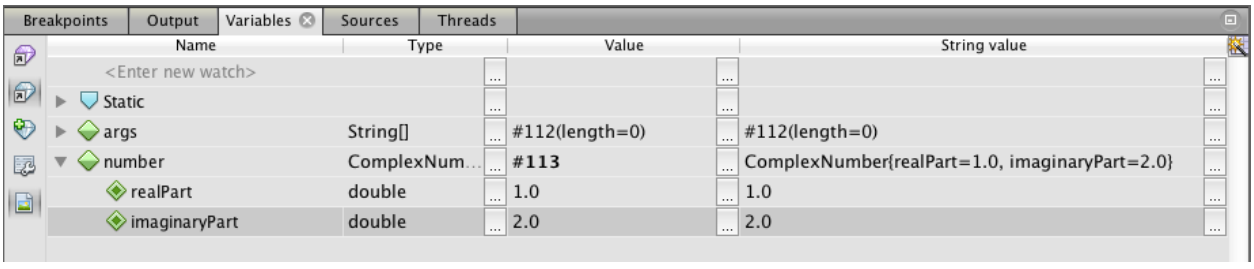

Output
Variables
Watches
Evaluation...
Call Stack
Breakpoints
Loaded Cl...
Sources
Threads
Sessions
Name
State
Language
com.davidsalter.multithread.MultiThread
Stopped
Java
com.davidsalter.multithread.MultiThread1
Stopped

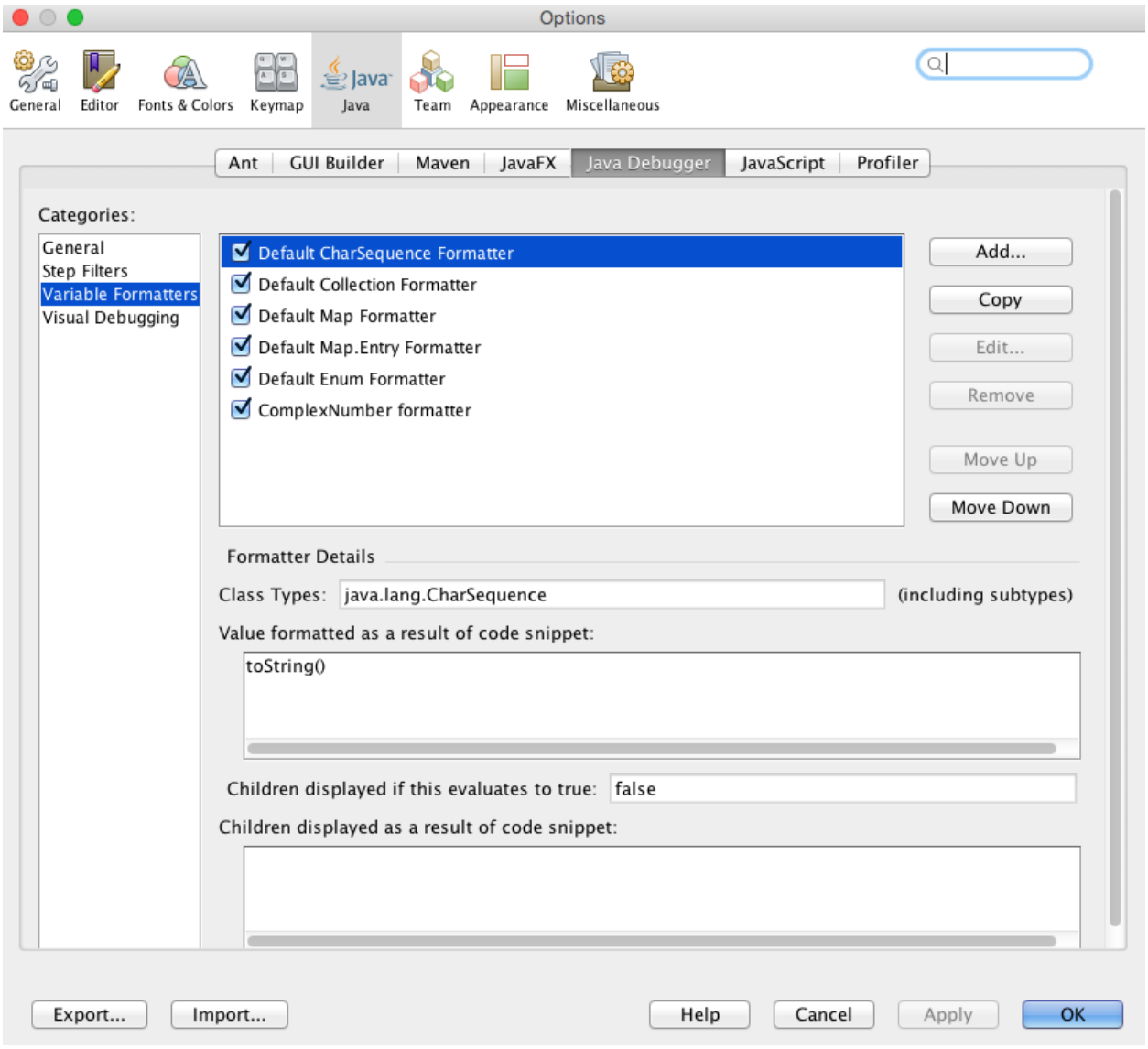

Change Visible Columns
Choose the Columns to Display in the List
Name: Name of the session
Host Name: Name of the computer this session is running on
Language: Current language of the session
State: Describes state of the session
Cancel
OK

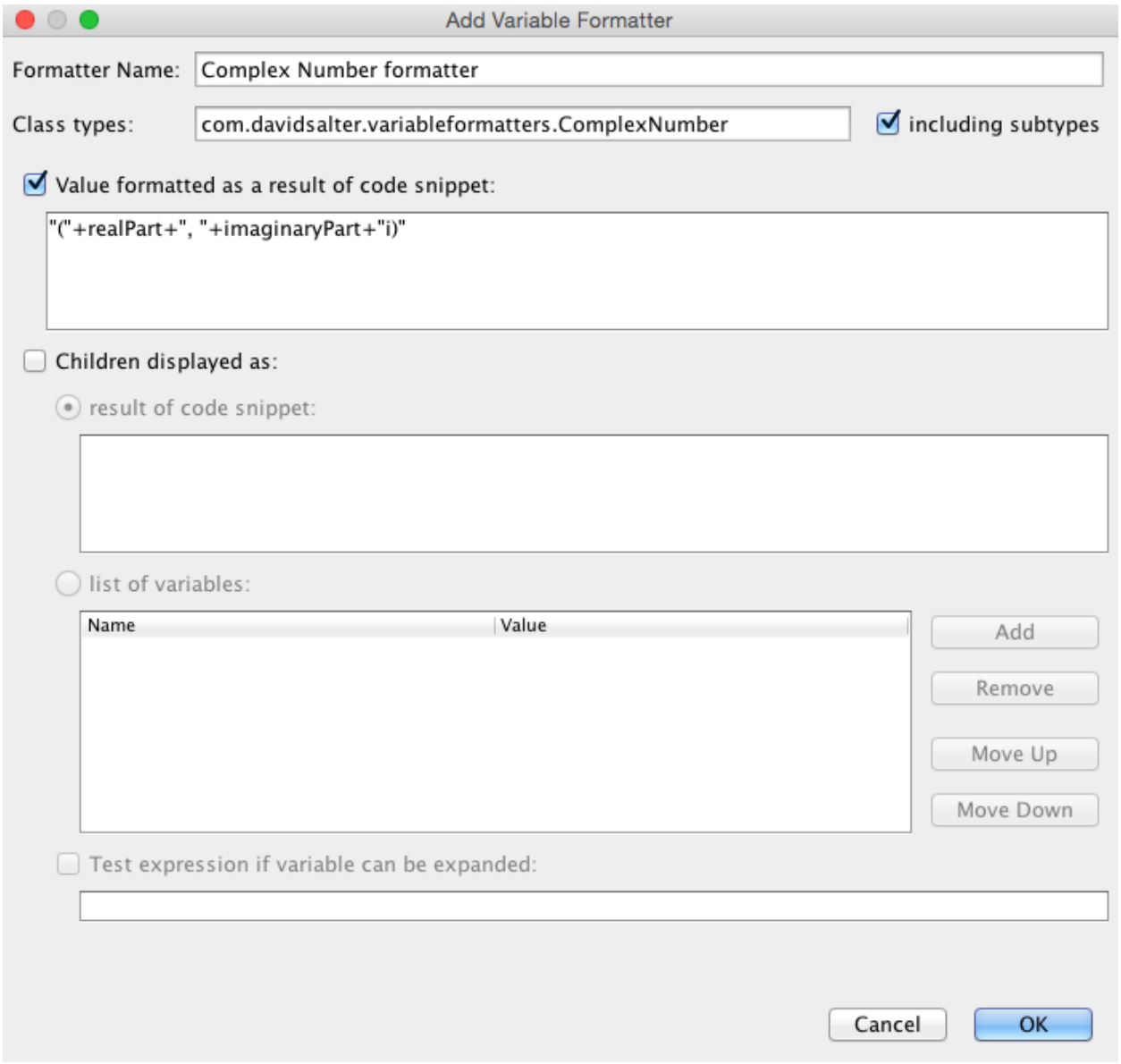

Breakpoints
Output
Threads
Name
State
system
main
main
Running
Incrementor
Sleeping
Thread-1
Running
Reference Handler
Waiting
Finalizer
Waiting
Signal Dispatcher
Running

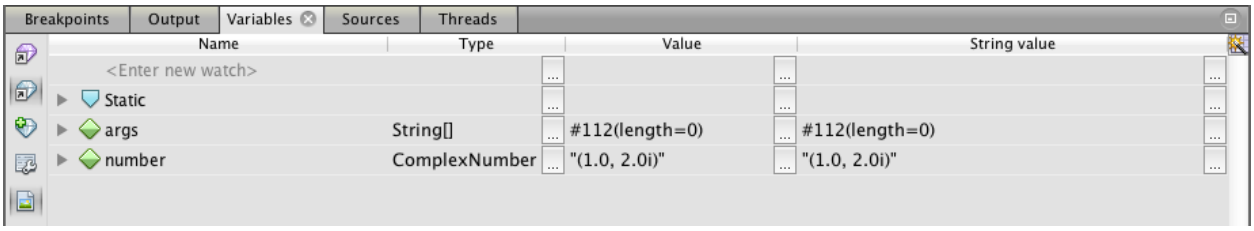
Change Visible Columns
Choose the Columns to Display in the List
Name: Name of the thread
State: Describes state of the thread
Suspended: Thread suspended by debugger
Cancel
OK

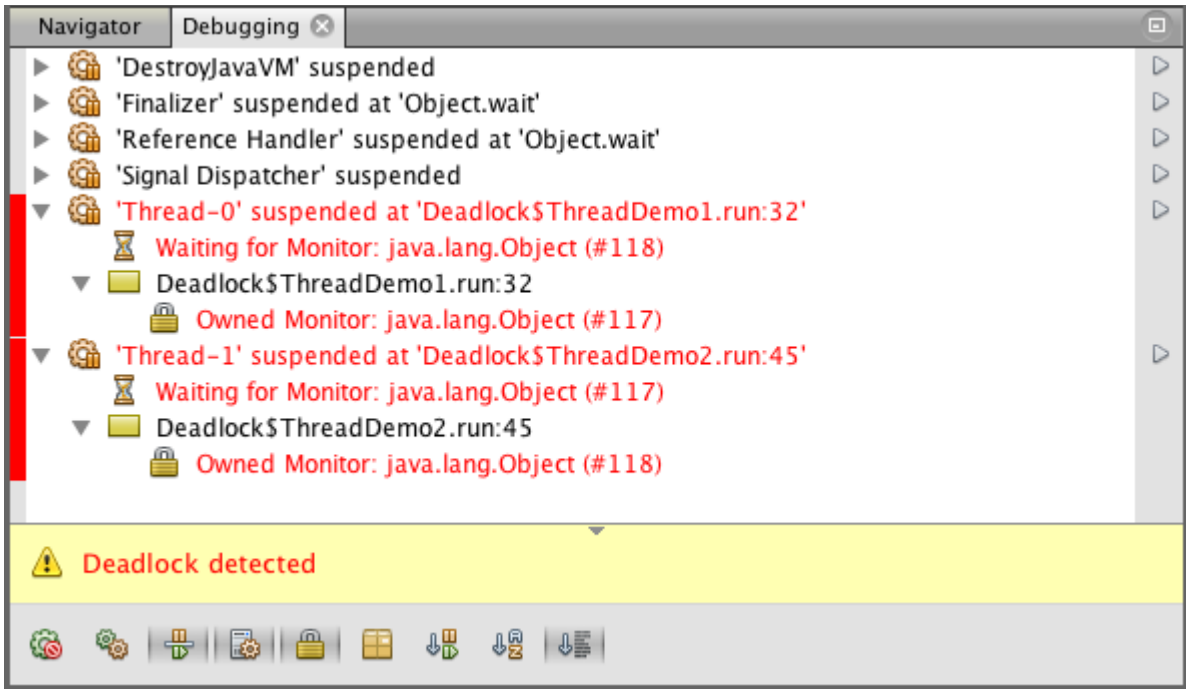

Breakpoints
Output
Sources
Threads
Source Root
/Library/Java/JavaVirtualMachines/jdk1.8.0_25.jdk/Contents/Home/src.zip
/Library/Java/JavaVirtualMachines/jdk1.8.0_25.jdk/Contents/Home/javafx-src.zip
/Users/david/Develop/MultiThread/src (Project MultiThread)

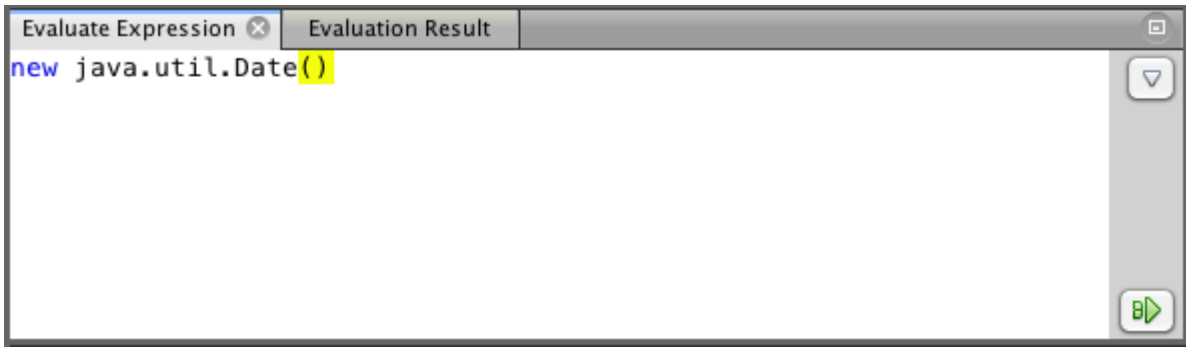

Breakpoints
Output
Variables
Sources
Threads
Name
Type
Value
String value
<Enter new watch>
Static
args
String[]
#112(length=0)
#112(length=0)
number
ComplexNum...
#113
ComplexNumber{realPart=1.0, imaginaryPart=2.0}
realPart
double
1.0
1.0
imaginaryPart
double
2.0
2.0

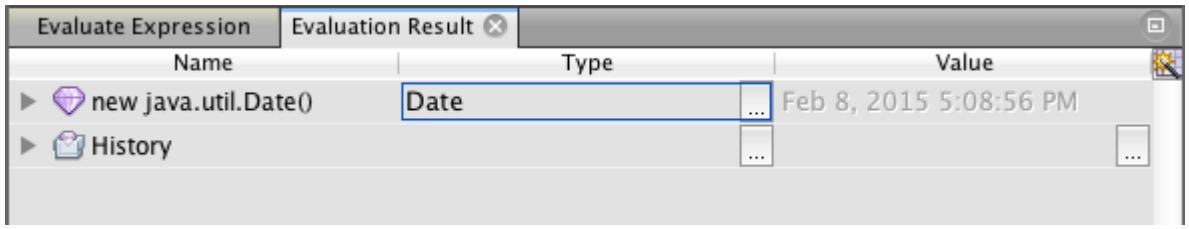

Options
General
Editor
Fonts & Colors
Keymap
Java
Team
Appearance
Miscellaneous
Ant
GUI Builder
Maven
JavaFX
Java Debugger
JavaScript
Profiler
Categories:
General
Step Filters
Variable Formatters
Visual Debugging
Default CharSequence Formatter
Default Collection Formatter
Default Map Formatter
Default Map.Entry Formatter
Default Enum Formatter
ComplexNumber formatter
Add...
Copy
Edit...
Remove
Move Up
Move Down
Formatter Details
Class Types: java.lang.CharSequence
(including subtypes)
Value formatted as a result of code snippet:
toString()
Children displayed if this evaluates to true: false
Children displayed as a result of code snippet:
Export...
Import...
Help
Cancel
Apply
OK

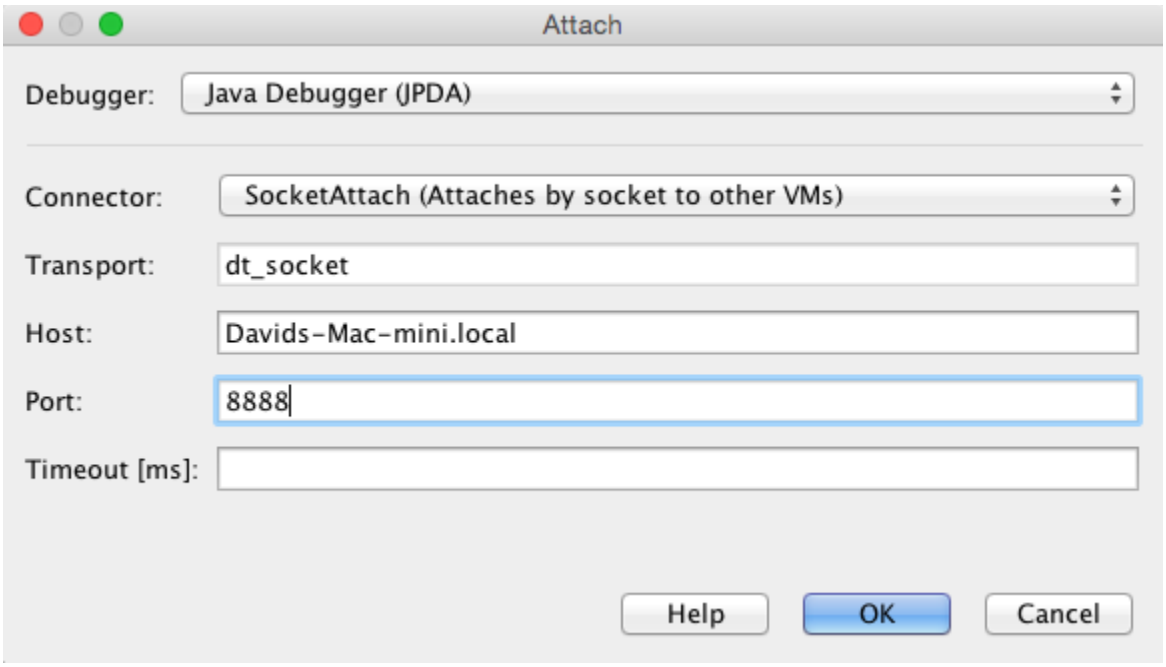

Add Variable Formatter
Formatter Name:
Complex Number formatter
Class types:
com.davidsalter.variableformatters.ComplexNumber
including subtypes
Value formatted as a result of code snippet:
"("+realPart+", "+imaginaryPart+"i)"
Children displayed as:
result of code snippet:
list of variables:
Name
Value
Add
Remove
Move Up
Move Down
Test expression if variable can be expanded:
Cancel
OK

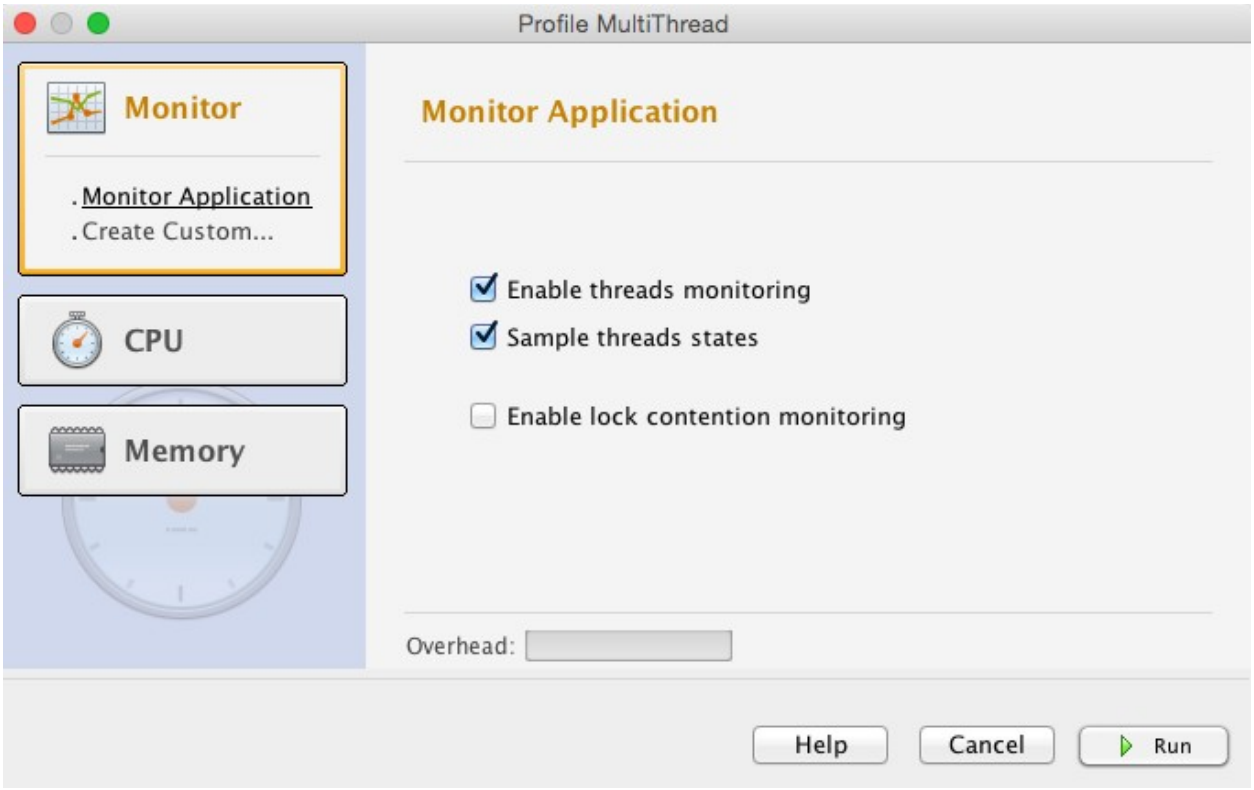

Breakpoints
Output
Variables
Sources
Threads
Name
Type
Value
String value
<Enter new watch>
Static
args
String[]
#112(length=0)
#112(length=0)
number
ComplexNumber
"(1.0, 2.0i)"
"(1.0, 2.0i)"

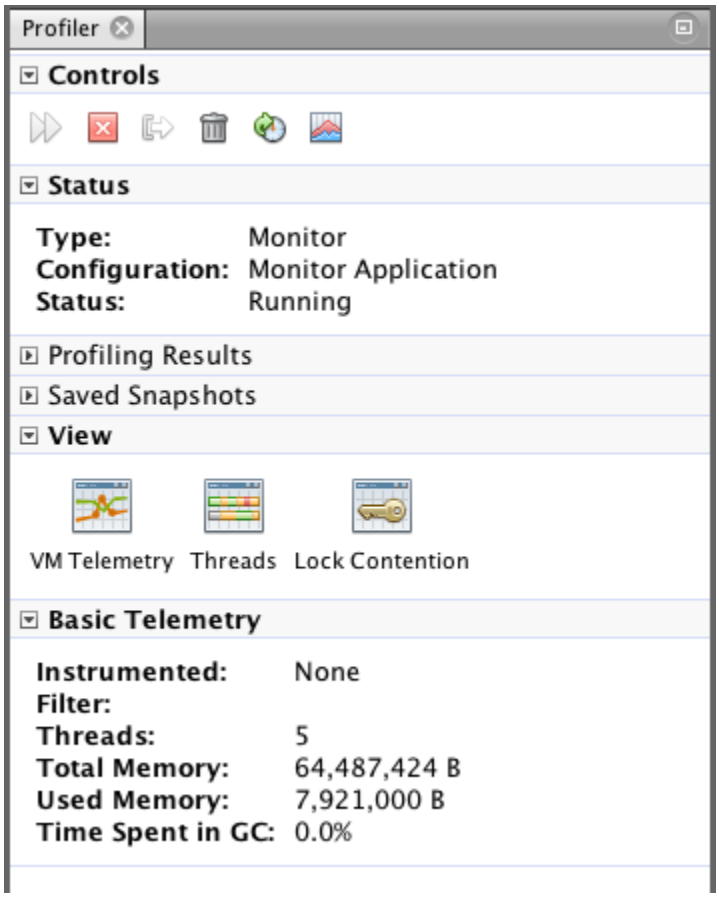

Navigator
Debugging
'DestroyJavaVM' suspended
'Finalizer' suspended at 'Object.wait'
'Reference Handler' suspended at 'Object.wait'
'Signal Dispatcher' suspended
'Thread-0' suspended at 'Deadlock$ThreadDemo1.run:32'
Waiting for Monitor: java.lang.Object (#118)
Deadlock$ThreadDemo1.run:32
Owned Monitor: java.lang.Object (#117)
'Thread-1' suspended at 'Deadlock$ThreadDemo2.run:45'
Waiting for Monitor: java.lang.Object (#117)
Deadlock$ThreadDemo2.run:45
Owned Monitor: java.lang.Object (#118)
Deadlock detected

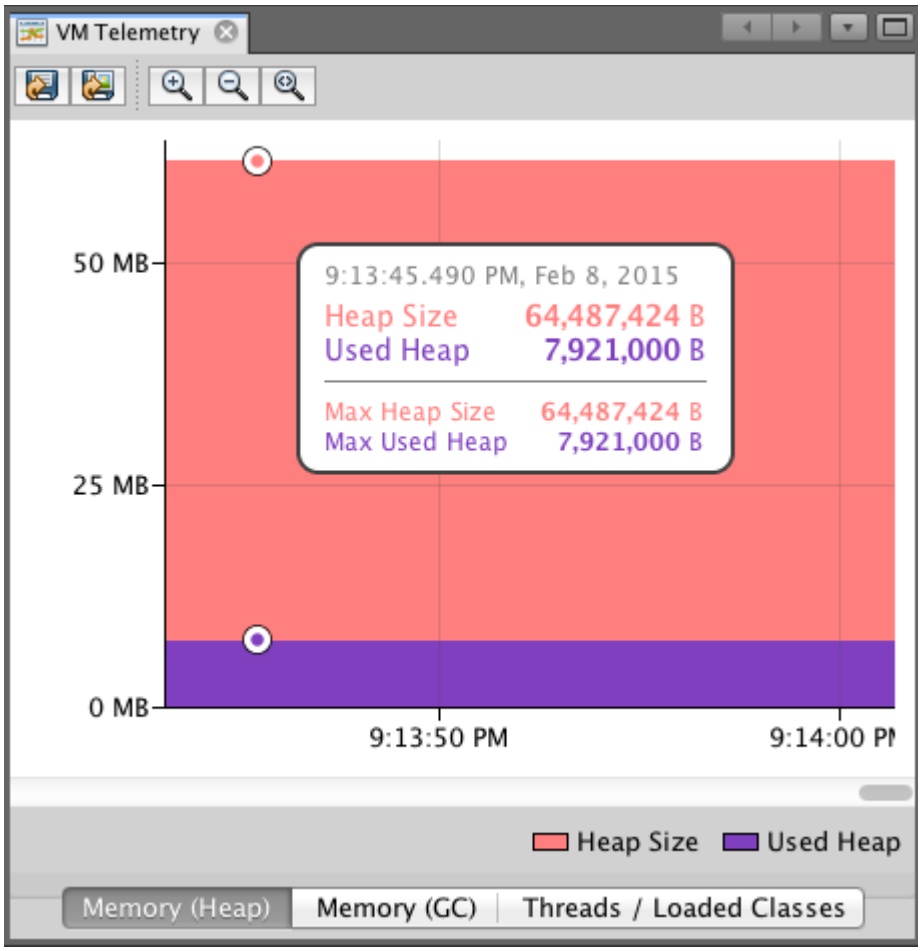

Evaluate Expression
Evaluation Result
new java.util.Date()

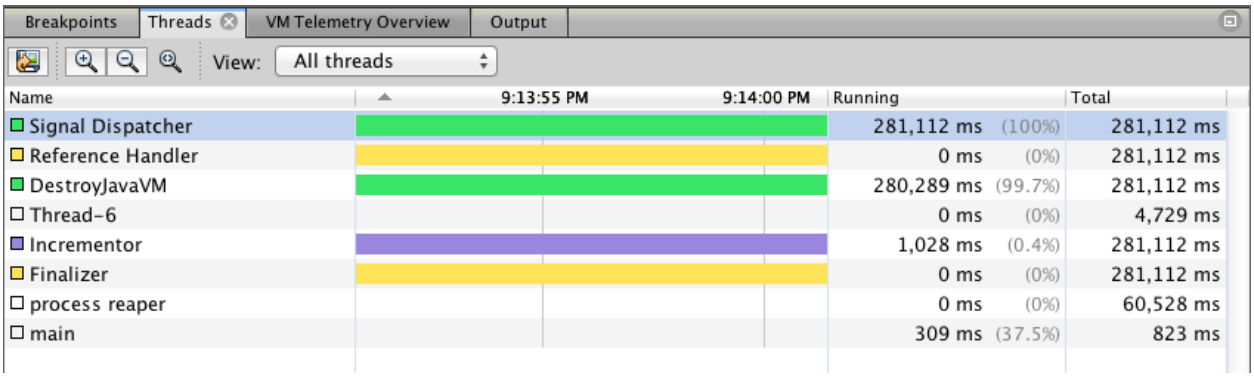

Evaluate Expression
Evaluation Result
Name
Type
Value
new java.util.Date()
Date
Feb 8, 2015 5:08:56 PM
History

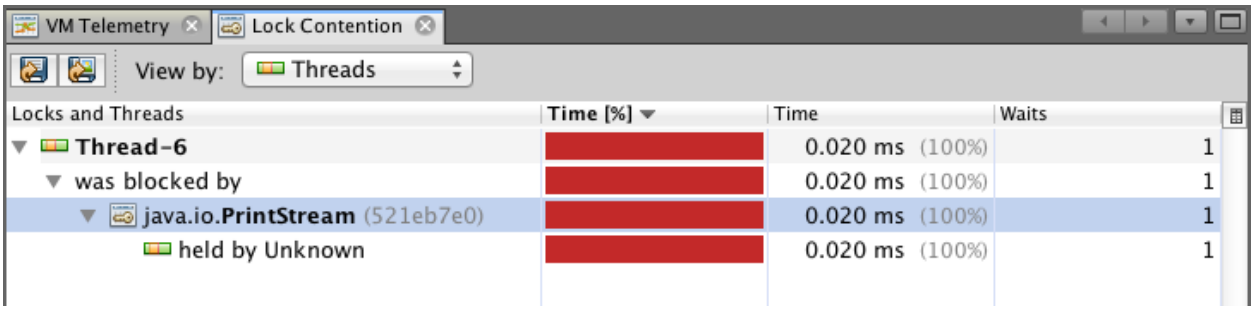

Attach
Debugger:
Java Debugger (JPDA)
Connector:
SocketAttach (Attaches by socket to other VMs)
Transport:
dt_socket
Host:
Davids-Mac-mini.local
Port:
8888
Timeout [ms]:
Help
OK
Cancel

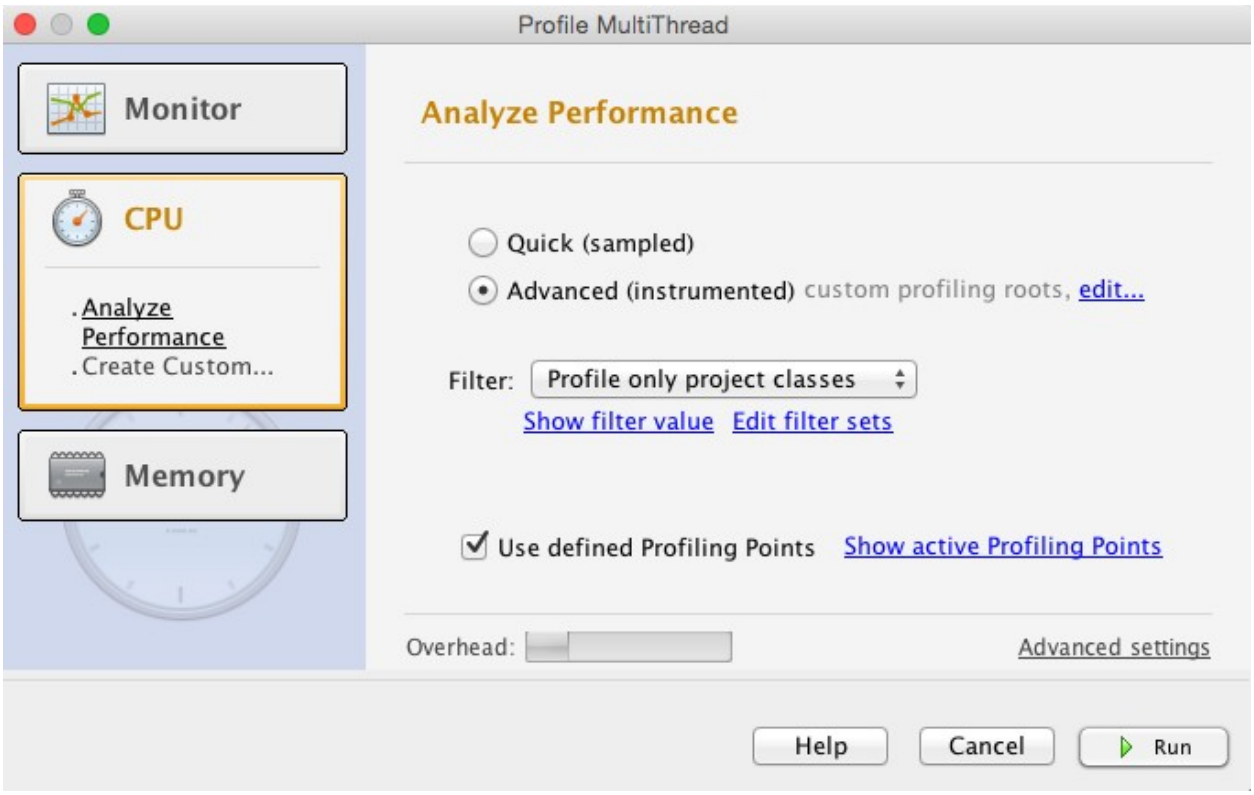

Profile MultiThread
Monitor
. Monitor Application
. Create Custom...
CPU
Memory
Monitor Application
Enable threads monitoring
Sample threads states
Enable lock contention monitoring
Overhead:
Help
Cancel
Run

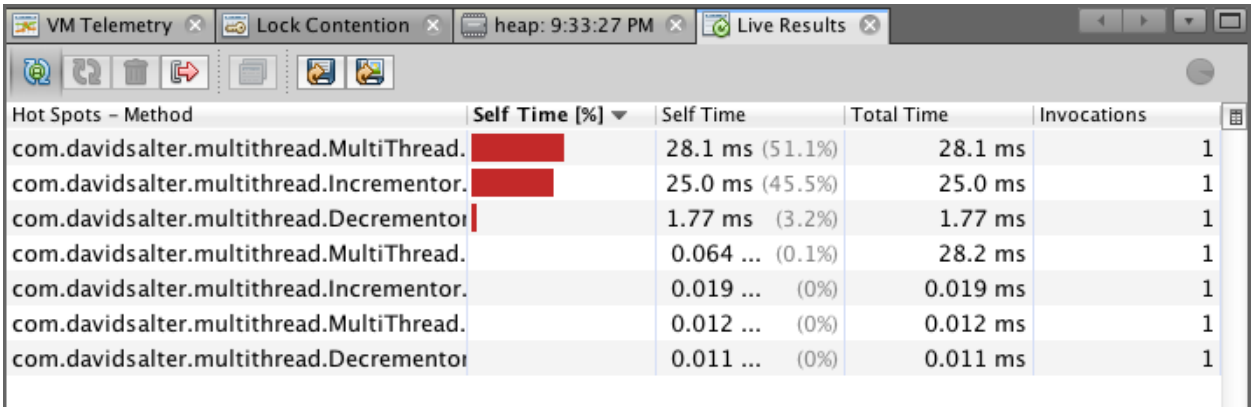

Profiler
Controls
Status
Type: Monitor
Configuration: Monitor Application
Status: Running
Profiling Results
Saved Snapshots
View
VM Telemetry
Threads
Lock Contention
Basic Telemetry
Instrumented: None
Filter:
Threads: 5
Total Memory: 64,487,424 B
Used Memory: 7,921,000 B
Time Spent in GC: 0.0%


VM Telemetry
50 MB
25 MB
0 MB
9:13:45.490 PM, Feb 8, 2015
Heap Size 64,487,424 B
Used Heap 7,921,000 B
Max Heap Size 64,487,424 B
Max Used Heap 7,921,000 B
9:13:50 PM
9:14:00 PM
Heap Size
Used Heap
Memory (Heap)
Memory (GC)
Threads / Loaded Classes

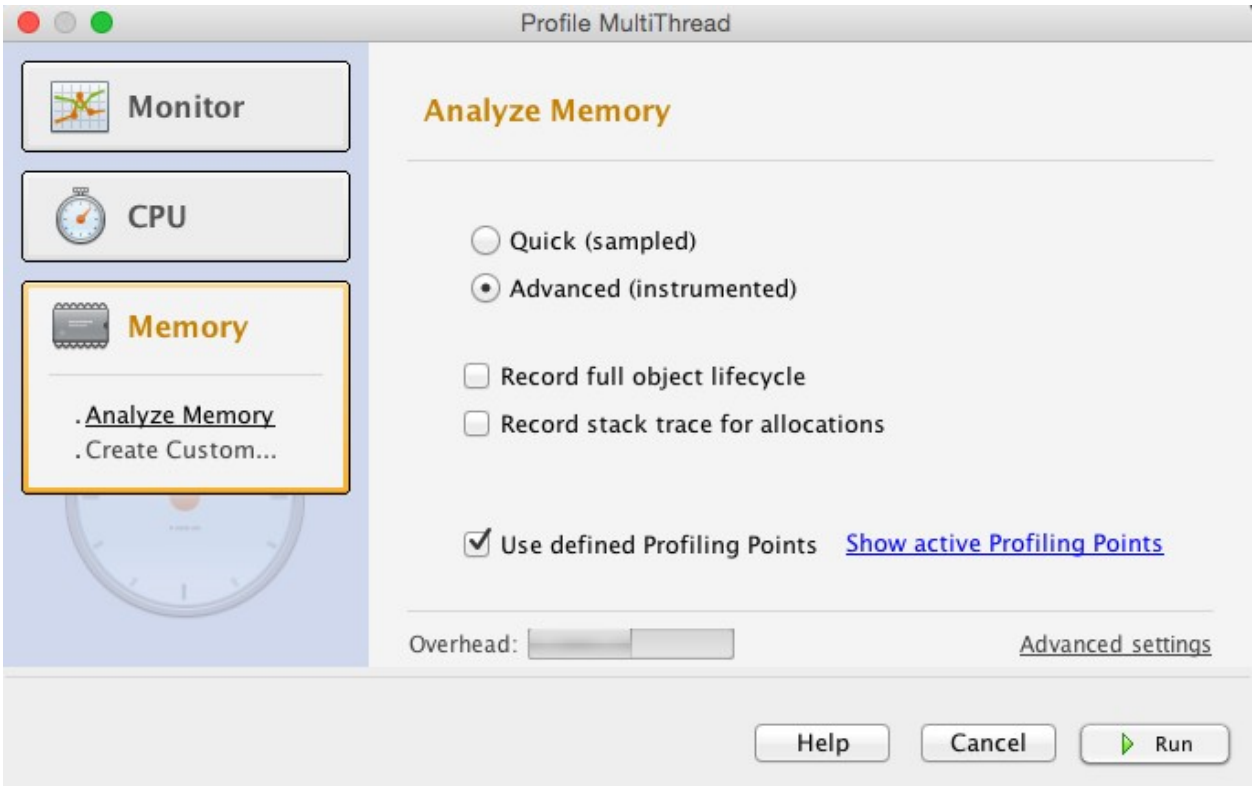

Breakpoints
Threads
VM Telemetry Overview
Output
View: All threads
Name
9:13:55 PM
9:14:00 PM
Running
Total
Signal Dispatcher 281,112 ms (100%) 281,112 ms
Reference Handler 0 ms (0%) 281,112 ms
DestroyJavaVM 280,289 ms (99.7%) 281,112 ms
Thread-6 0 ms (0%) 4,729 ms
Incrementor 1,028 ms (0.4%) 281,112 ms
Finalizer 0 ms (0%) 281,112 ms
process reaper 0 ms (0%) 60,528 ms
main 309 ms (37.5%) 823 ms

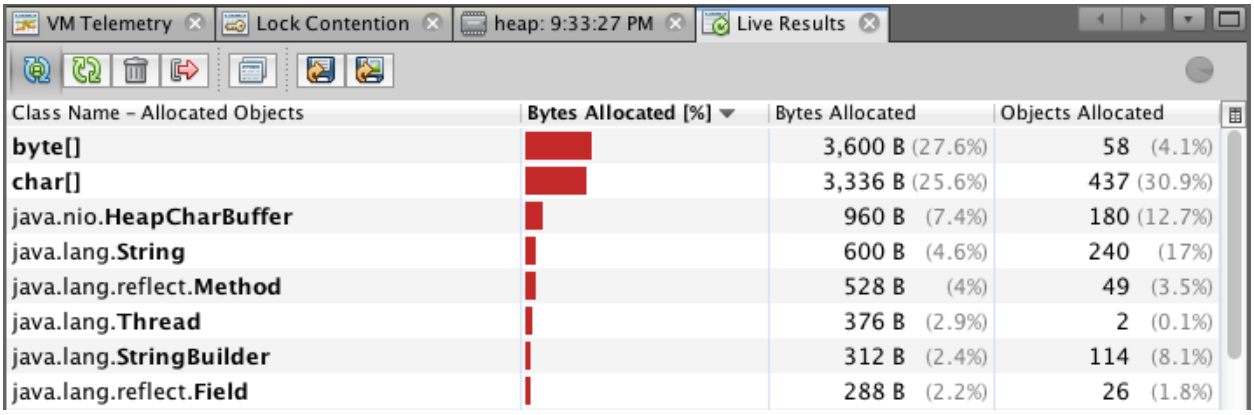

VM Telemetry
Lock Contention
View by: Threads
Locks and Threads
Time [%]
Time
Waits
Thread-6 0.020 ms (100%) 1
was blocked by 0.020 ms (100%) 1
java.io.PrintStream (521eb7e0) 0.020 ms (100%) 1
held by Unknown 0.020 ms (100%) 1

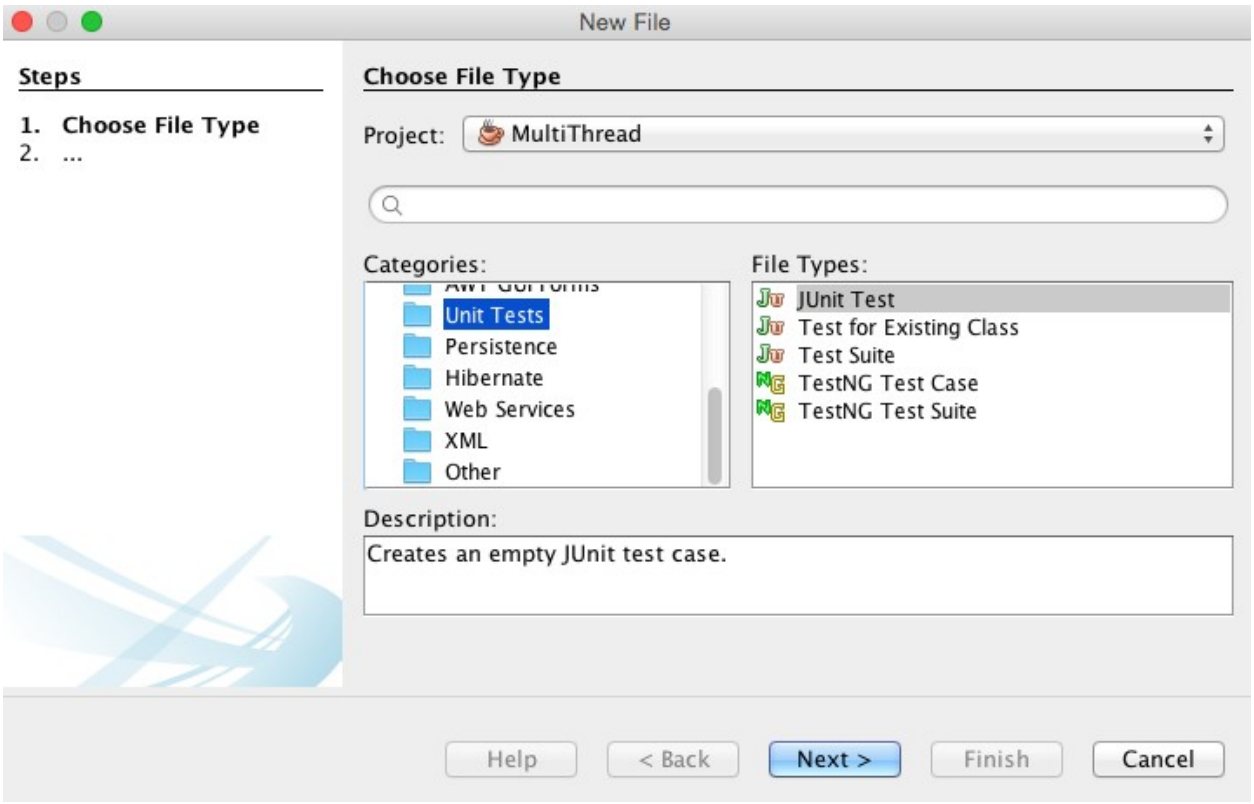




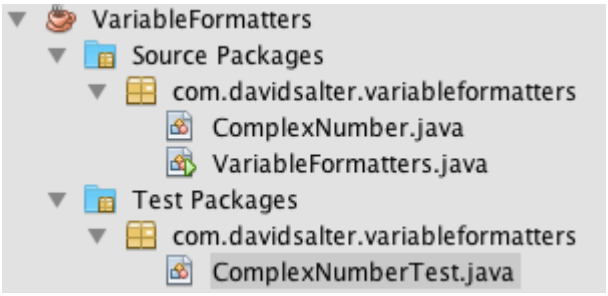
Hot Spots – Method	Self Time [%]	Self Time	Total Time	Invocations
com.davidsalter.multithread.MultiThread.		28.1 ms (51.1%)	28.1 ms	1
com.davidsalter.multithread.Incrementor.		25.0 ms (45.5%)	25.0 ms	1
com.davidsalter.multithread.Decrementor		1.77 ms (3.2%)	1.77 ms	1
com.davidsalter.multithread.MultiThread.		0.064 ... (0.1%)	28.2 ms	1
com.davidsalter.multithread.Incrementor.		0.019 ... (0%)	0.019 ms	1
com.davidsalter.multithread.MultiThread.		0.012 ... (0%)	0.012 ms	1
com.davidsalter.multithread.Decrementor		0.011 ... (0%)	0.011 ms	1

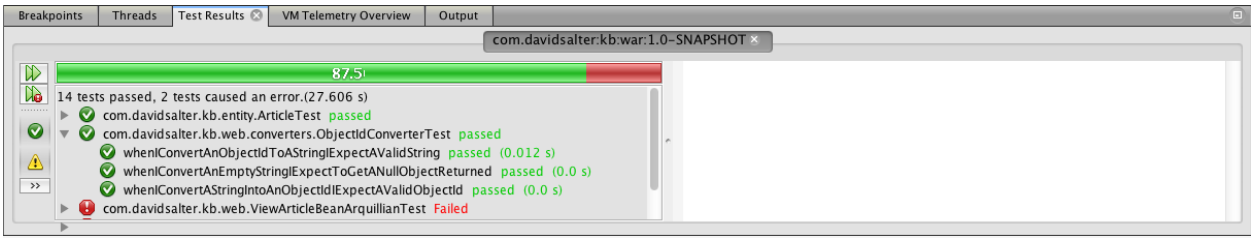

Profile MultiThread
Monitor
CPU
Memory
. Analyze Memory
. Create Custom...
Analyze Memory
Quick (sampled)
Advanced (instrumented)
Record full object lifecycle
Record stack trace for allocations
Use defined Profiling Points
Show active Profiling Points
Overhead:
Advanced settings
Help
Cancel
Run

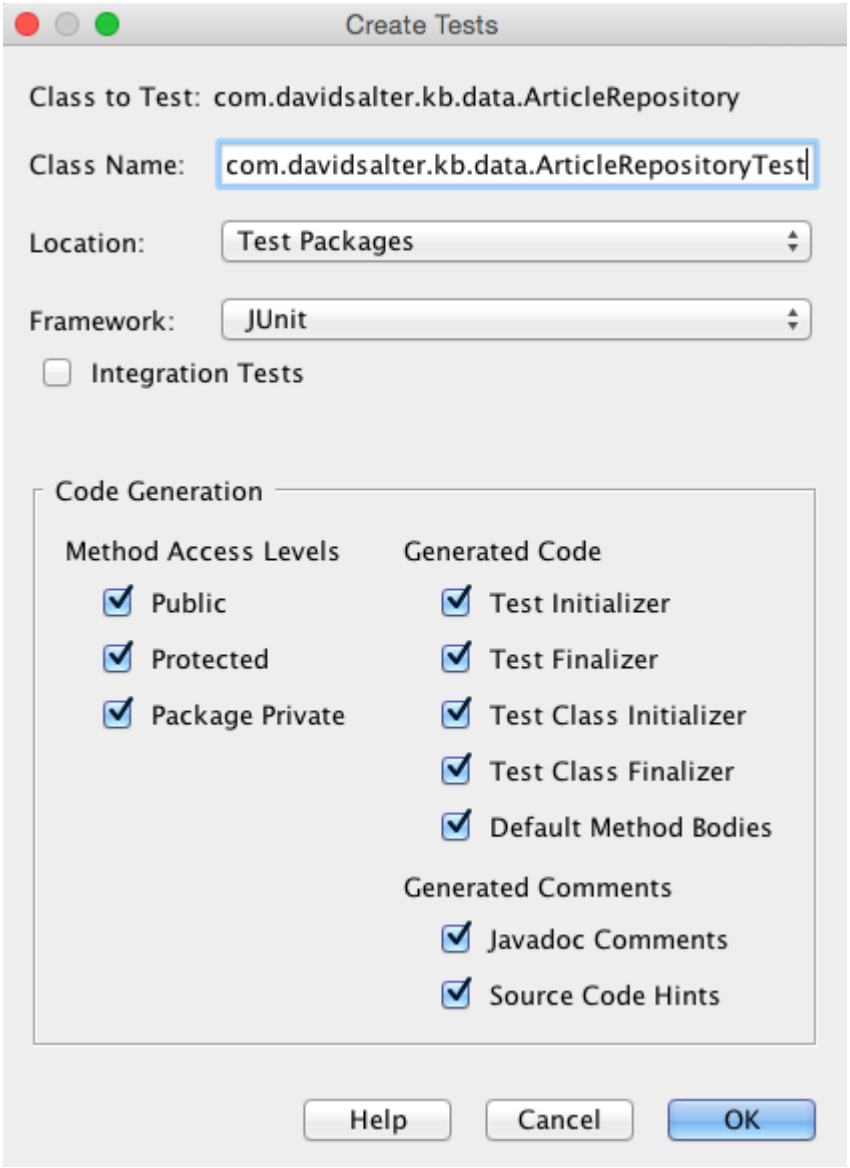

VM Telemetry
Lock Contention
heap: 9:33:27 PM
Live Results
Class Name – Allocated Objects
Bytes Allocated [%]
Bytes Allocated
Objects Allocated
byte[] 3,600 B (27.6%) 58 (4.1%)
char[] 3,336 B (25.6%) 437 (30.9%)
java.nio.HeapCharBuffer 960 B (7.4%) 180 (12.7%)
java.lang.String 600 B (4.6%) 240 (17%)
java.lang.reflect.Method 528 B (4%) 49 (3.5%)
java.lang.Thread 376 B (2.9%) 2 (0.1%)
java.lang.StringBuilder 312 B (2.4%) 114 (8.1%)
java.lang.reflect.Field 288 B (2.2%) 26 (1.8%)

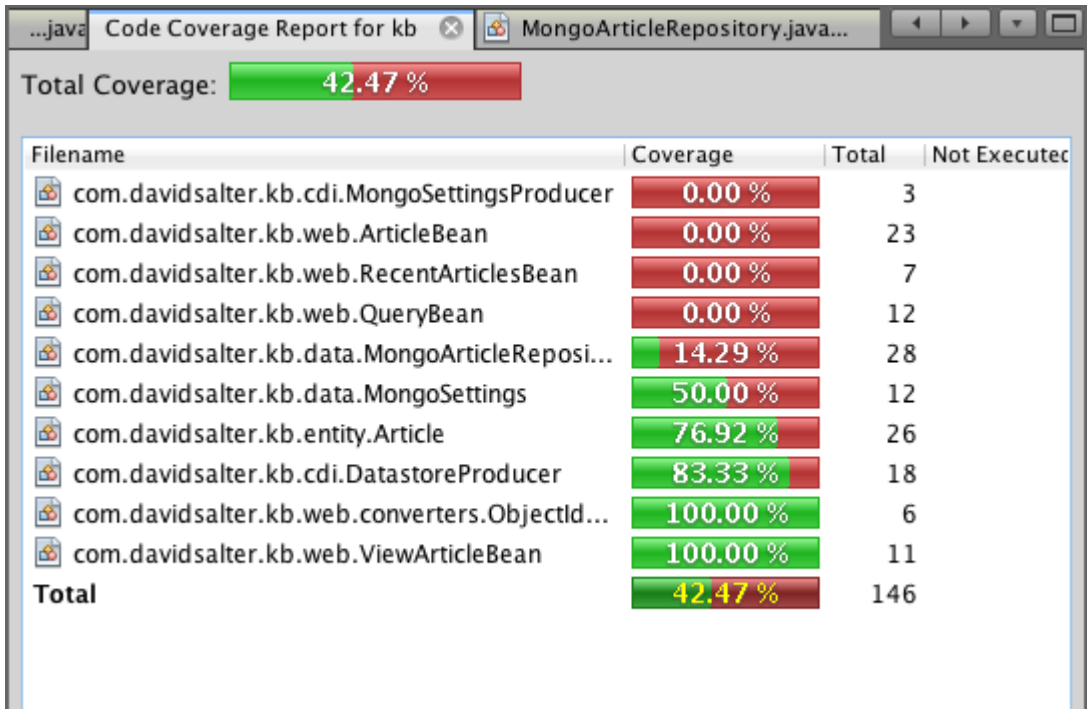

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
MultiThread
Categories:
Unit Tests
Persistence
Hibernate
Web Services
XML
Other
File Types:
JUnit Test
Test for Existing Class
Test Suite
TestNG Test Case
TestNG Test Suite
Description:
Creates an empty JUnit test case.
Help
< Back
Next >
Finish
Cancel

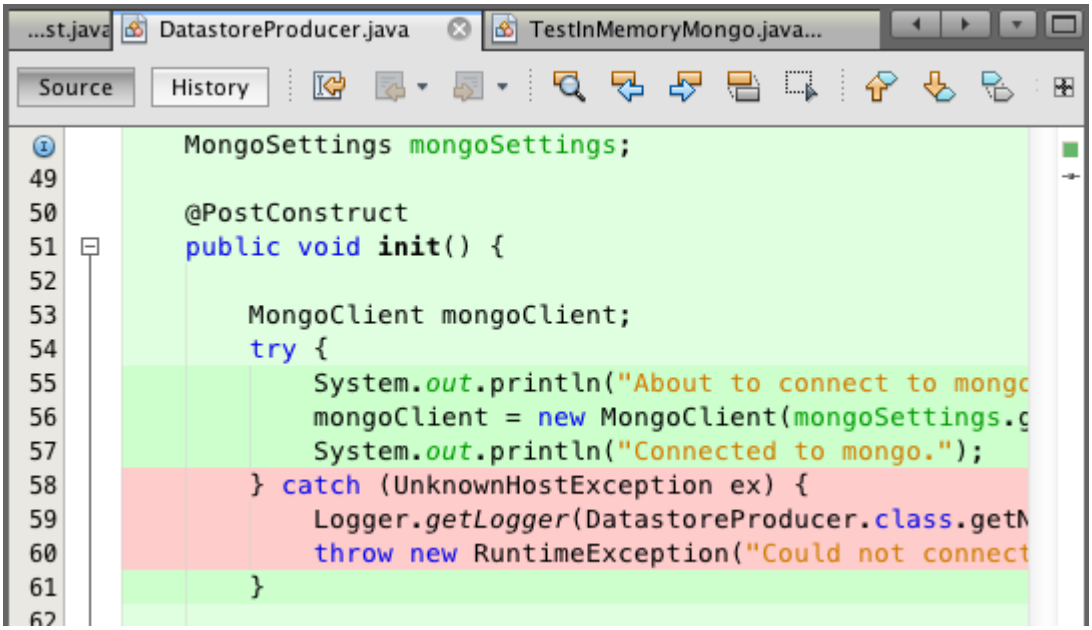
Generated Code
Test Initializer
Test Finalizer
Test Class Initializer
Test Class Finalizer
Generated Comments
Source Code Hints


VariableFormatters
Source Packages
com.davidsalter.variableformatters
ComplexNumber.java
VariableFormatters.java
Test Packages
com.davidsalter.variableformatters
ComplexNumberTest.java

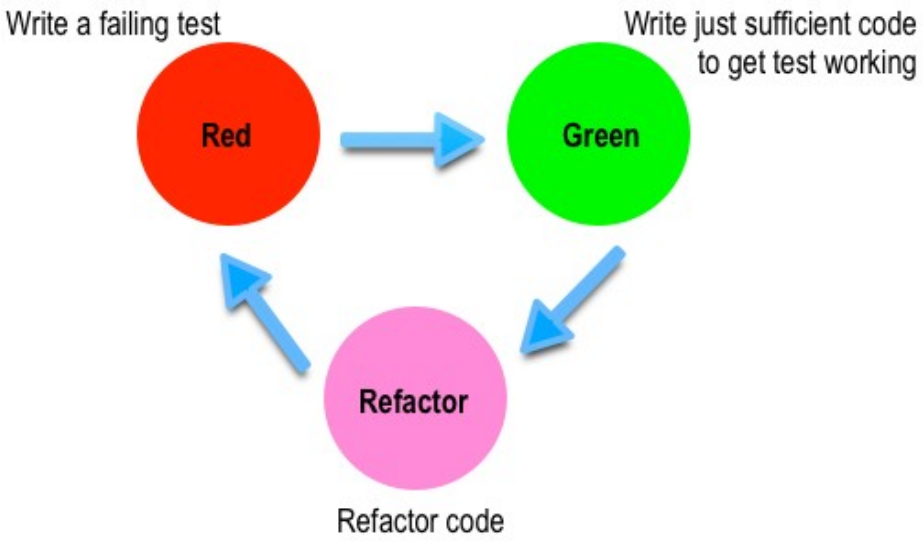

Breakpoints
Threads
Test Results
VM Telemetry Overview
Output
com.davidsalter:kb:war:1.0-SNAPSHOT
87.5%
14 tests passed, 2 tests caused an error.(27.606 s)
com.davidsalter.kb.entity.ArticleTest passed
com.davidsalter.kb.web.converters.ObjectIdConverterTest passed
whenIConvertAnObjectIdToAStringIExpectAValidString passed (0.012 s)
whenIConvertAnEmptyStringIExpectToGetANullObjectReturned passed (0.0 s)
whenIConvertAStringIntoAnObjectIdIExpectAValidObjectId passed (0.0 s)
com.davidsalter.kb.web.ViewArticleBeanArquillianTest Failed

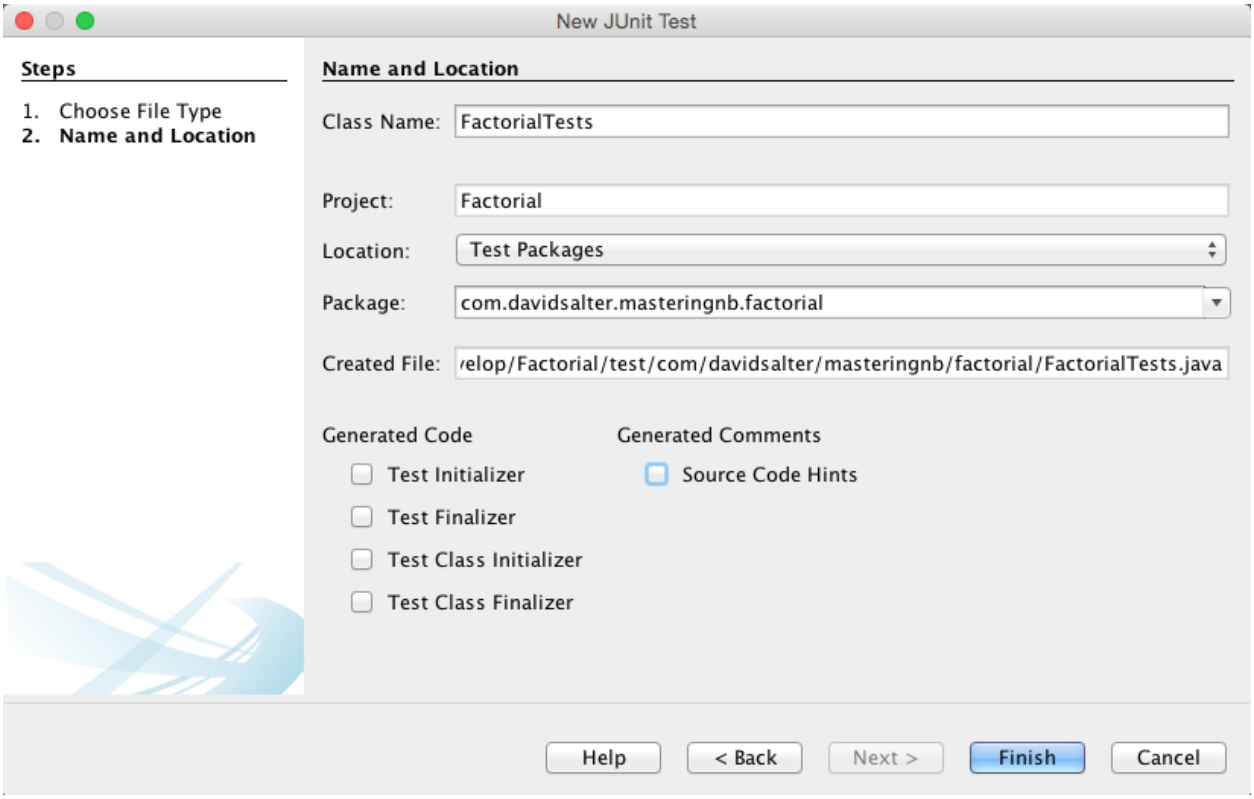

Create Tests
Class to Test: com.davidsalter.kb.data.ArticleRepository
Class Name: com.davidsalter.kb.data.ArticleRepositoryTest
Location: Test Packages
Framework: JUnit
Integration Tests
Code Generation
Method Access Levels
Public
Protected
Package Private
Generated Code
Test Initializer
Test Finalizer
Test Class Initializer
Test Class Finalizer
Default Method Bodies
Generated Comments
Javadoc Comments
Source Code Hints
Help
Cancel
OK

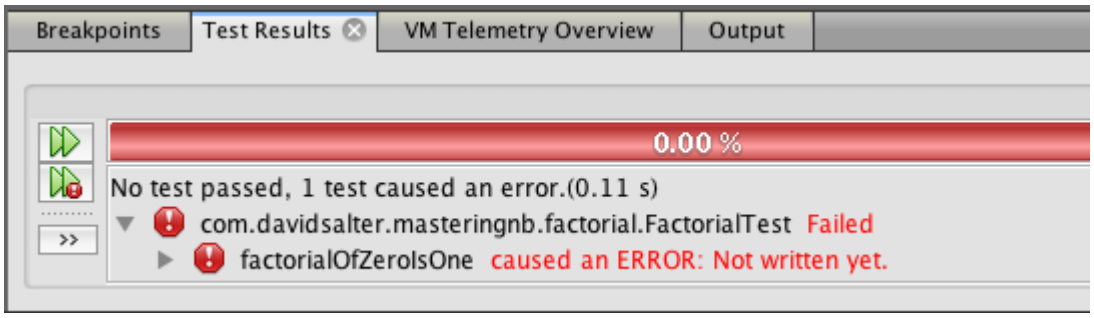

...java
Code Coverage Report for kb
MongoArticleRepository.java...
Total Coverage: 42.47 %
Filename
Coverage
Total
Not Executed
com.davidsalter.kb.cdi.MongoSettingsProducer 0.00 % 3
com.davidsalter.kb.web.ArticleBean 0.00 % 23
com.davidsalter.kb.web.RecentArticlesBean 0.00 % 7
com.davidsalter.kb.web.QueryBean 0.00 % 12
com.davidsalter.kb.data.MongoArticleReposi... 14.29 % 28
com.davidsalter.kb.data.MongoSettings 50.00 % 12
com.davidsalter.kb.entity.Article 76.92 % 26
com.davidsalter.kb.cdi.DatastoreProducer 83.33 % 18
com.davidsalter.kb.web.converters.ObjectId... 100.00 % 6
com.davidsalter.kb.web.ViewArticleBean 100.00 % 11
Total 42.47 % 146

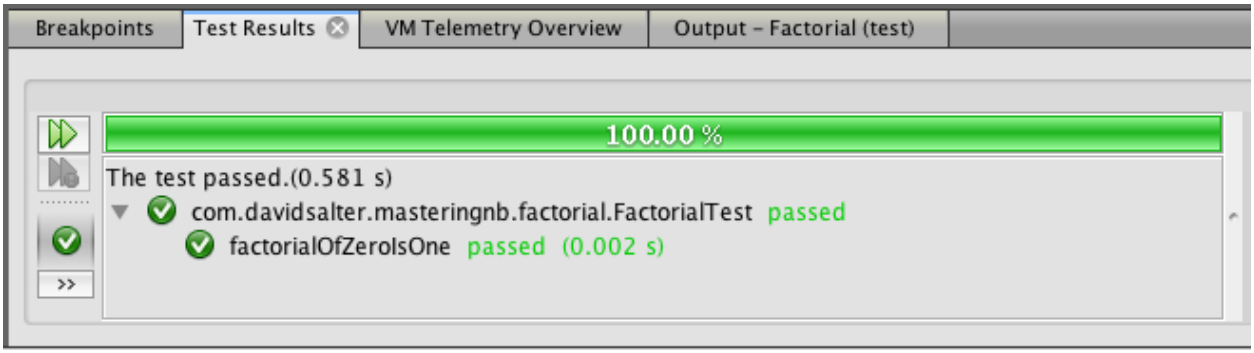

...st.java
DatastoreProducer.java
TestInMemoryMongo.java...
Source
History
MongoSettings mongoSettings;
@PostConstruct
public void init() {
MongoClient mongoClient;
try {
System.out.println("About to connect to mongo
mongoClient = new MongoClient(mongoSettings.g
System.out.println("Connected to mongo.");
} catch (UnknownHostException ex) {
Logger.getLogger(DatastoreProducer.class.getN
throw new RuntimeException("Could not connect
}

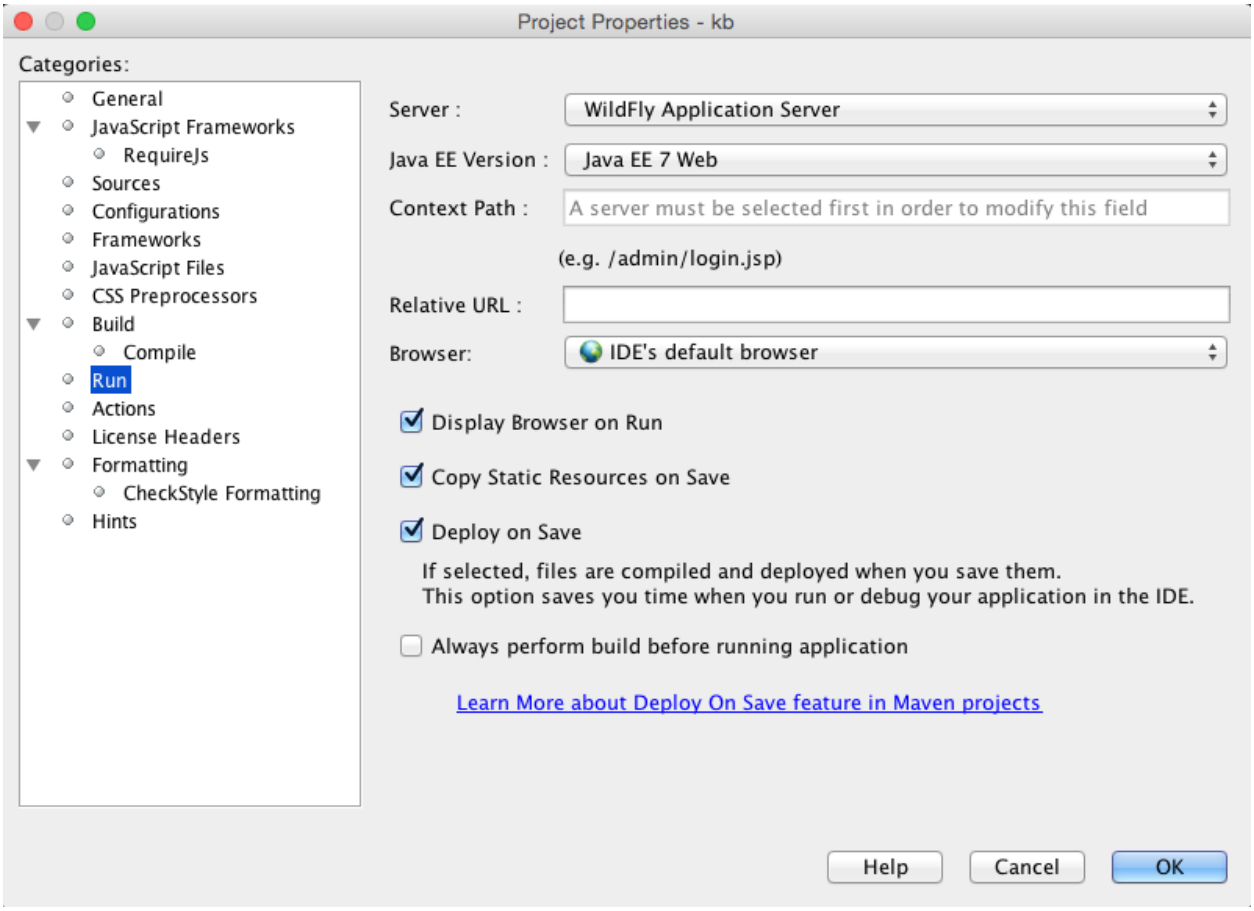
Code Coverage: 83.33 %
Test
All Tests
Clear
Report...
Disable


Write a failing test
Red
Write just sufficient code
to get test working
Green
Refactor
Refactor code

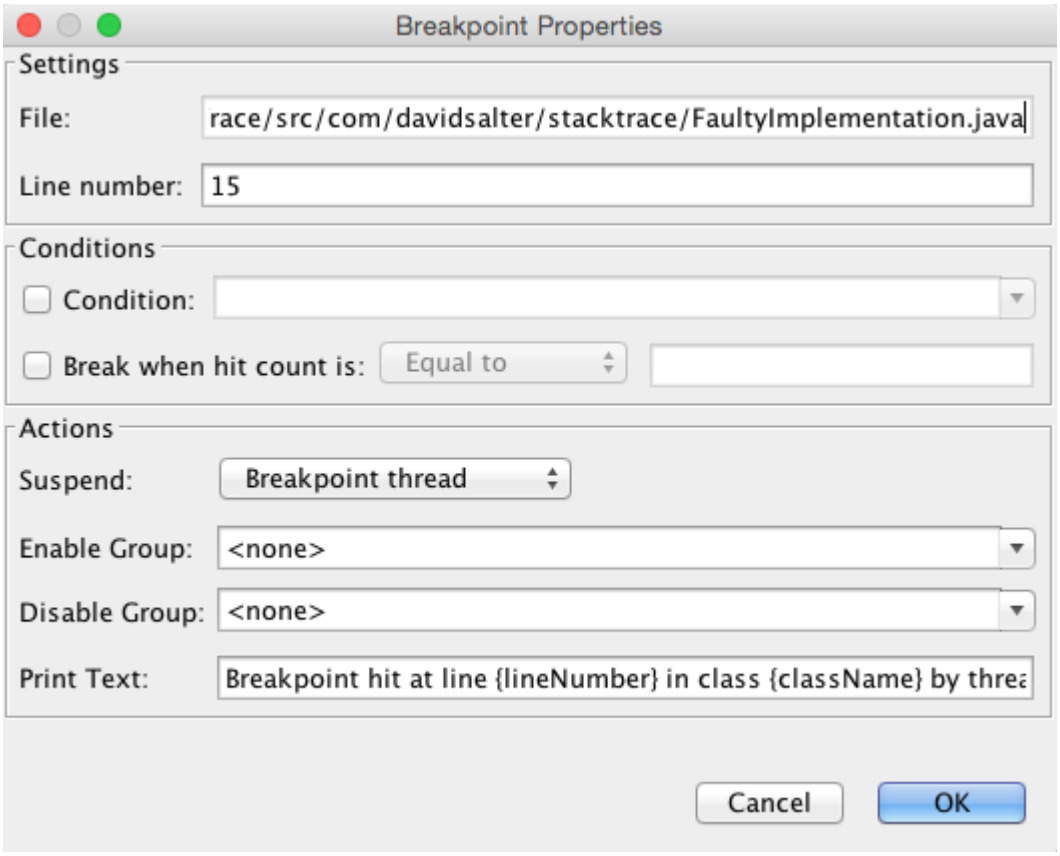

New JUnit Test
Steps
1. Choose File Type
2. Name and Location
Name and Location
Class Name: FactorialTests
Project: Factorial
Location: Test Packages
Package: com.davidsalter.masteringnb.factorial
Created File: /elop/Factorial/test/com/davidsalter/masteringnb/factorial/FactorialTests.java
Generated Code
Test Initializer
Test Finalizer
Test Class Initializer
Test Class Finalizer
Generated Comments
Source Code Hints
Help
< Back
Next >
Finish
Cancel


Breakpoints
Test Results
VM Telemetry Overview
Output
0.00 %
No test passed, 1 test caused an error.(0.11 s)
com.davidsalter.masteringnb.factorial.FactorialTest Failed
factorialOfZeroIsOne caused an ERROR: Not written yet.

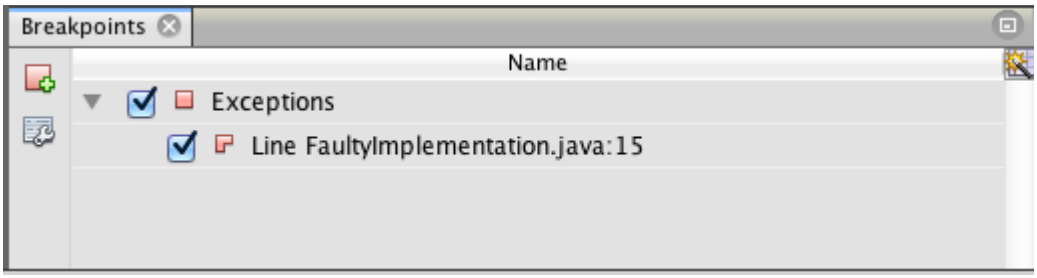

Breakpoints
Test Results
VM Telemetry Overview
Output – Factorial (test)
100.00 %
The test passed.(0.581 s)
com.davidsalter.masteringnb.factorial.FactorialTest passed
factorialOfZeroIsOne passed (0.002 s)

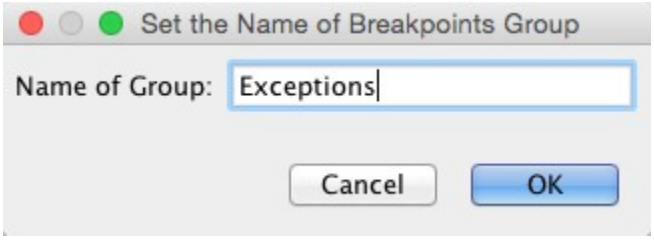

Project Properties - kb
Categories:
General
JavaScript Frameworks
RequireJs
Sources
Configurations
Frameworks
JavaScript Files
CSS Preprocessors
Build
Compile
Run
Actions
License Headers
Formatting
CheckStyle Formatting
Hints
Server :
WildFly Application Server
Java EE Version :
Java EE 7 Web
Context Path :
A server must be selected first in order to modify this field
(e.g. /admin/login.jsp)
Relative URL :
Browser:
IDE's default browser
Display Browser on Run
Copy Static Resources on Save
Deploy on Save
If selected, files are compiled and deployed when you save them.
This option saves you time when you run or debug your application in the IDE.
Always perform build before running application
Learn More about Deploy On Save feature in Maven projects
Help
Cancel
OK

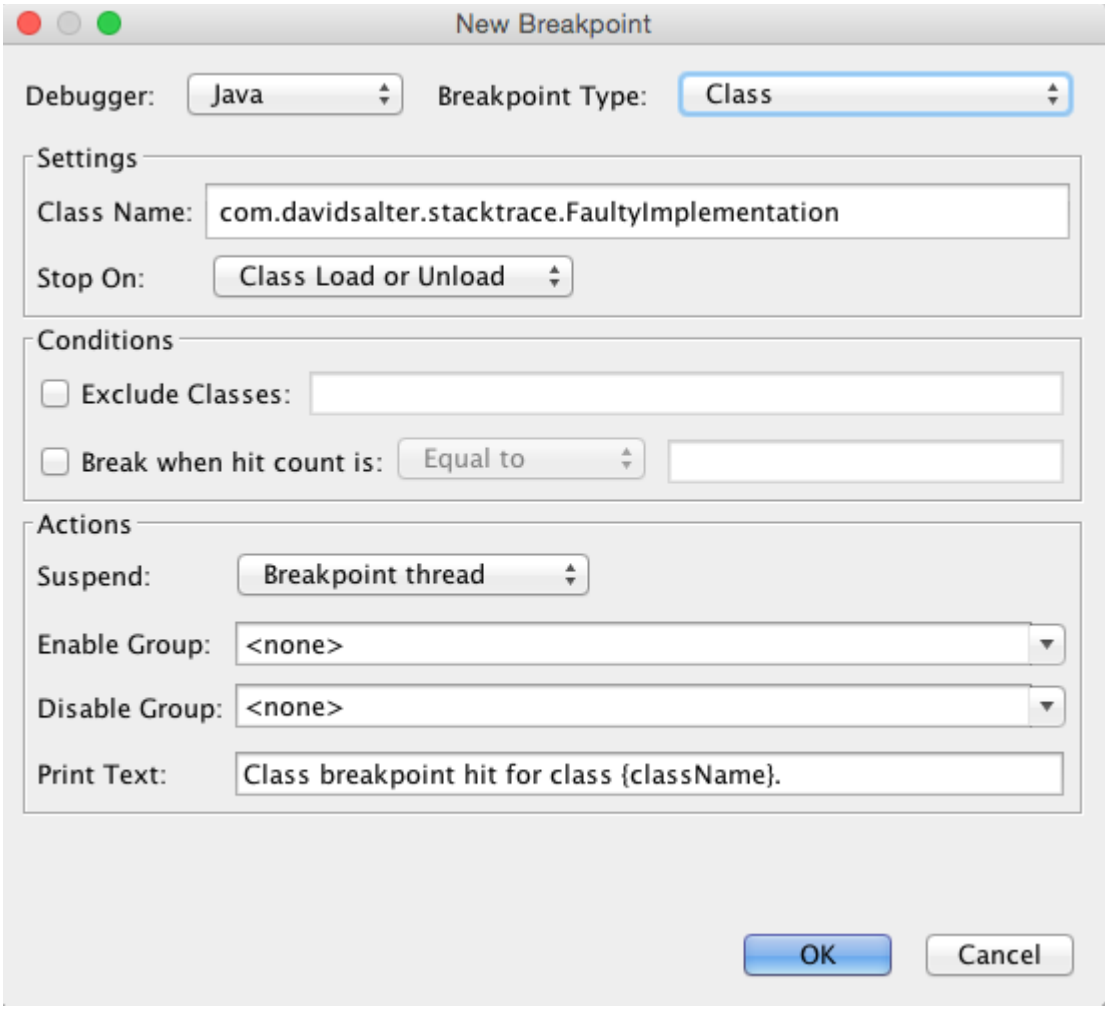
```
9  /**
10  *
11  * @author David Salter <david@developinjava.com>
12  */
13 public class FaultyImplementation {
14     public void doUntestedOperation() {
15         throw new NullPointerException();
16     }
17 }
18
```



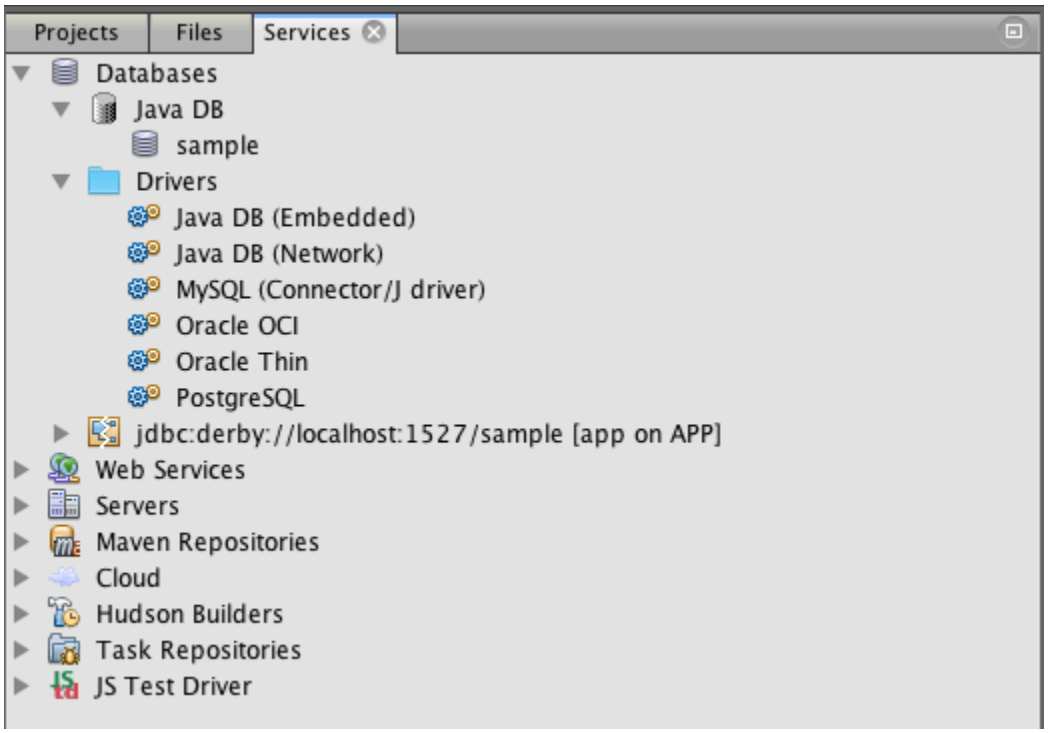

```
9  /**
10  *
11  * @author David Salter <david@developinjava.com>
12  */
13 public class FaultyImplementation {
14     public void doUntestedOperation() {
15         throw new NullPointerException();
16     }
17 }
18
```

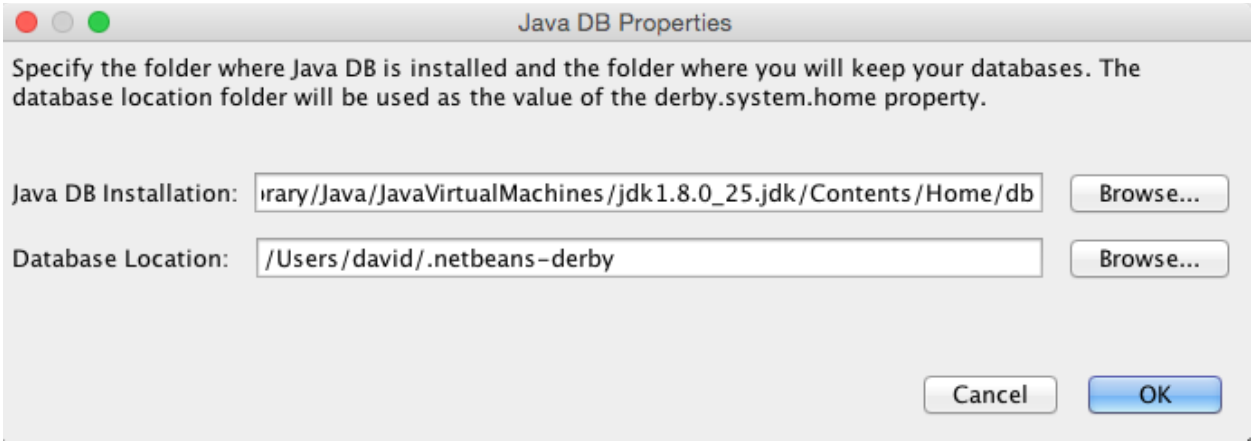

Breakpoints
Name
Exceptions
Line FaultyImplementation.java:15

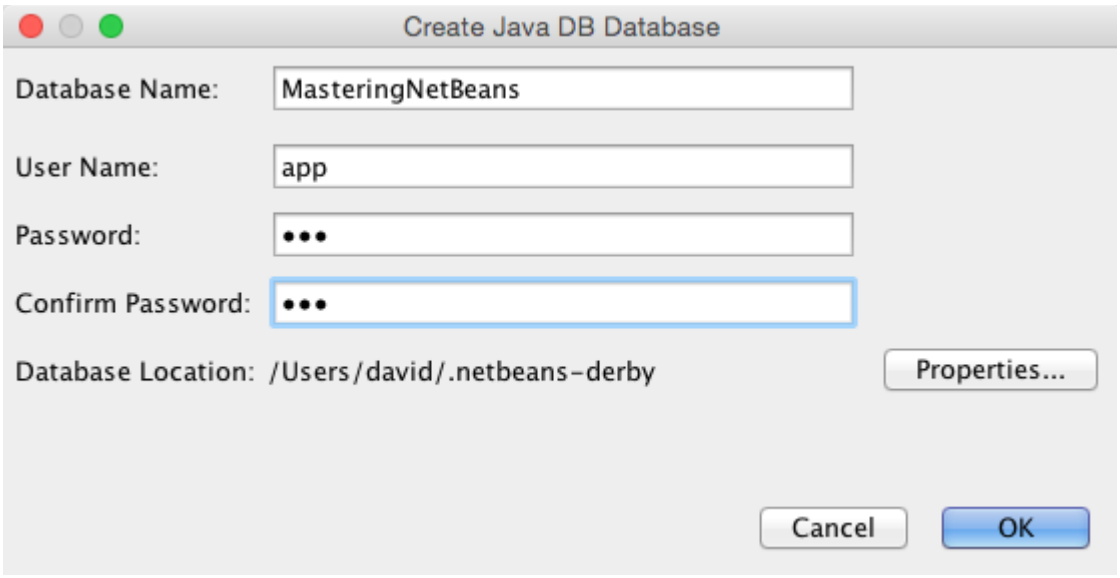

Set the Name of Breakpoints Group
Name of Group:
Exceptions
Cancel
OK

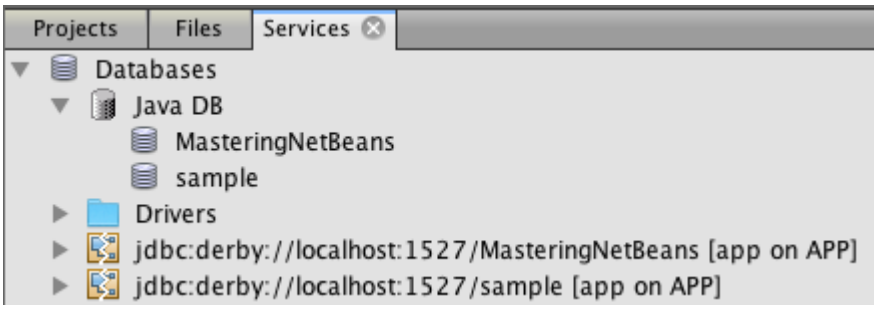

New Breakpoint
Debugger:
Java
Breakpoint Type:
Class
Settings
Class Name:
com.davidsalter.stacktrace.FaultyImplementation
Stop On:
Class Load or Unload
Conditions
Exclude Classes:
Break when hit count is:
Equal to
Actions
Suspend:
Breakpoint thread
Enable Group:
<none>
Disable Group:
<none>
Print Text:
Class breakpoint hit for class {className}.
OK
Cancel

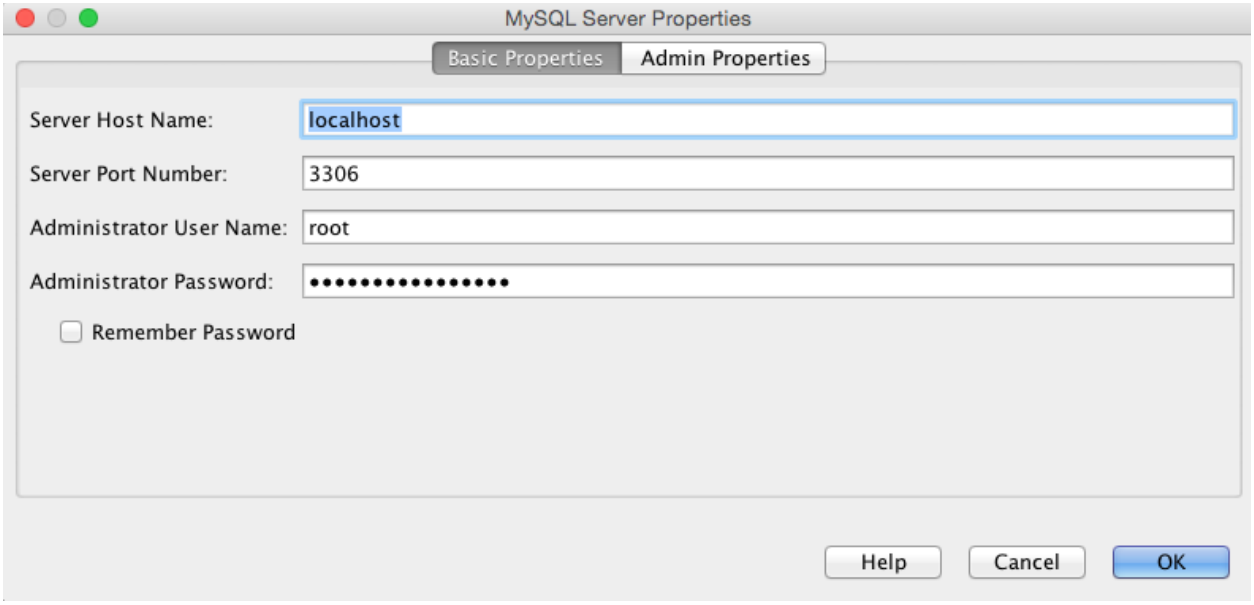
Chapter 4: Managing Services

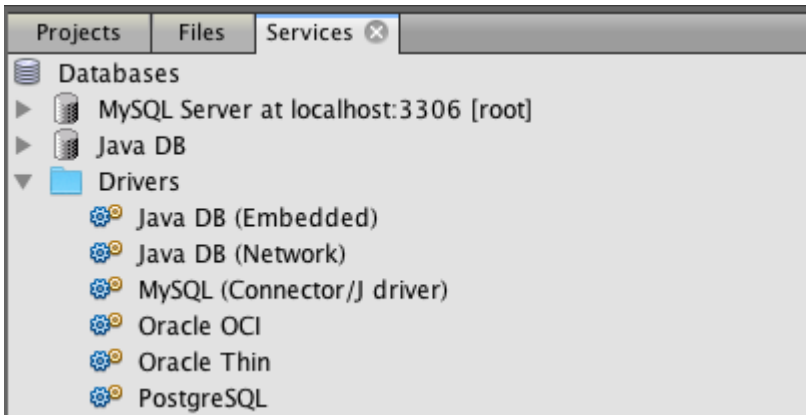


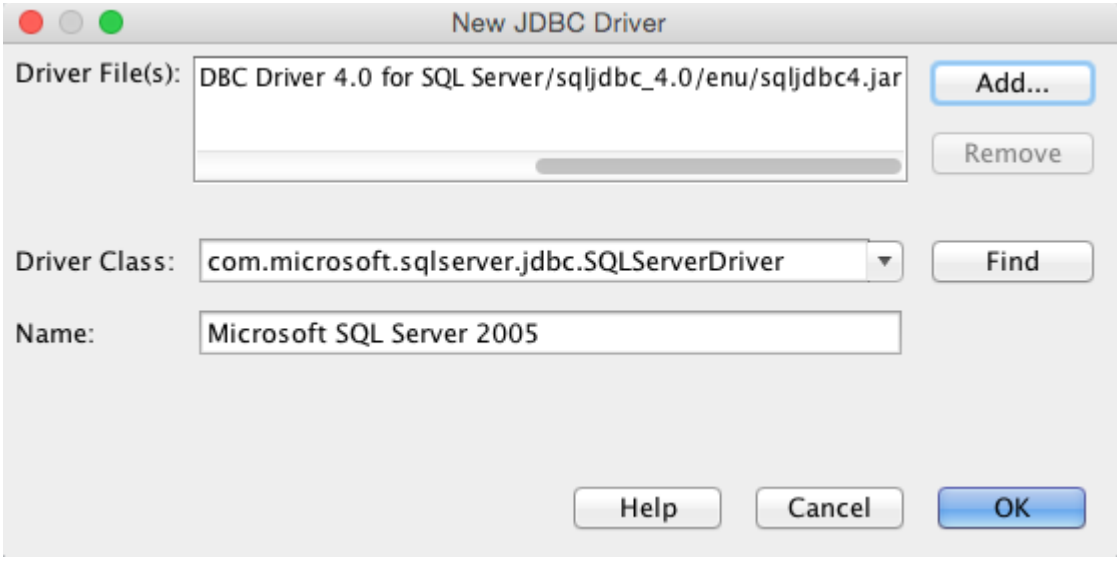


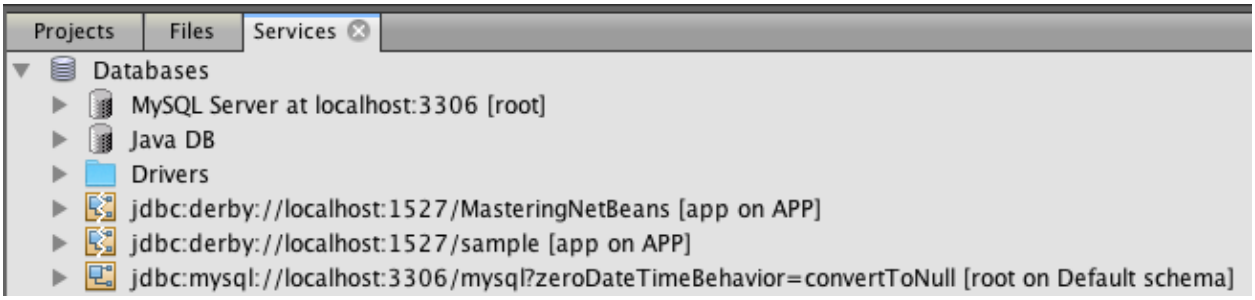

Create Java DB Database
Database Name:
MasteringNetBeans
User Name:
app
Password:
Confirm Password:
Database Location:
/Users/david/.netbeans-derby
Properties...
Cancel
OK


Projects
Files
Services
Databases
Java DB
MasteringNetBeans
sample
Drivers
jdbc:derby://localhost:1527/MasteringNetBeans [app on APP]
jdbc:derby://localhost:1527/sample [app on APP]

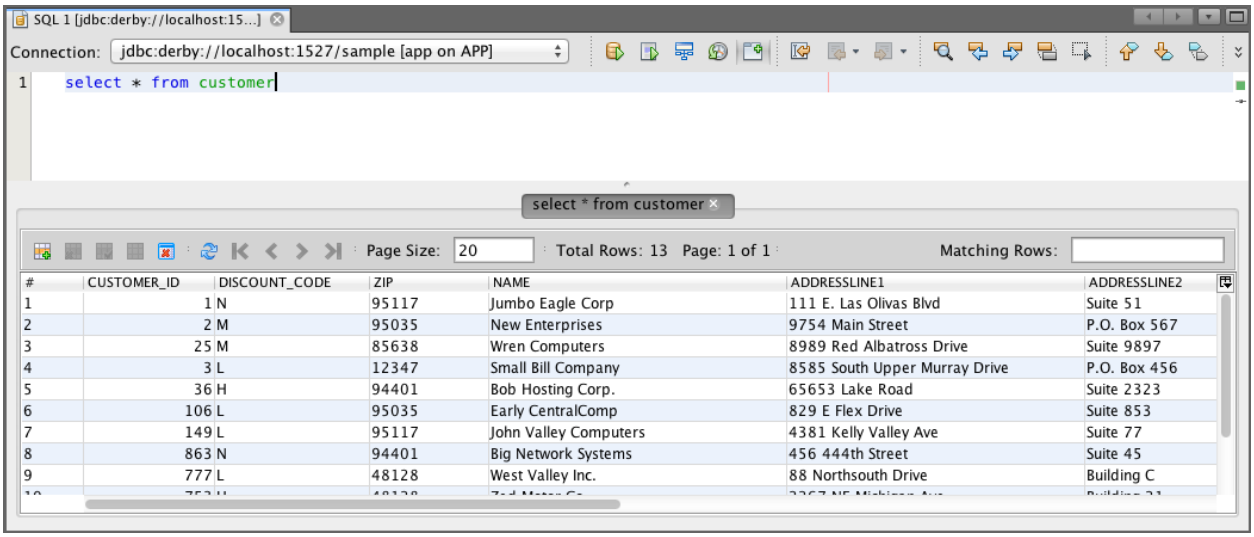

MySQL Server Properties
Basic Properties
Admin Properties
Server Host Name:
localhost
Server Port Number:
3306
Administrator User Name:
root
Administrator Password:
Remember Password
Help
Cancel
OK


Projects
Files
Services
Databases
MySQL Server at localhost:3306 [root]
Java DB
Drivers
Java DB (Embedded)
Java DB (Network)
MySQL (Connector/J driver)
Oracle OCI
Oracle Thin
PostgreSQL

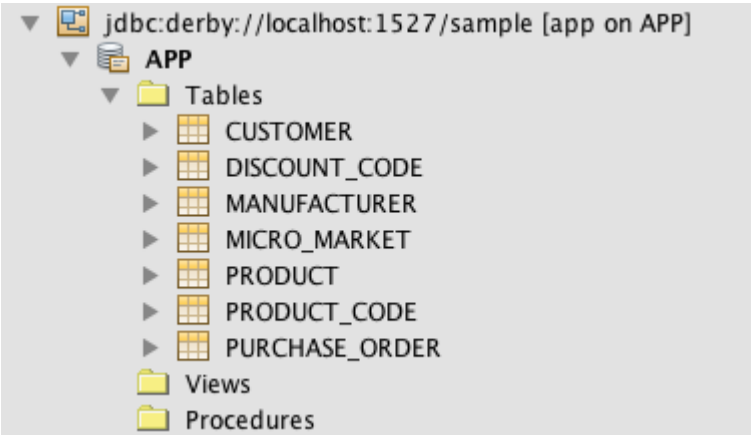

New JDBC Driver
Driver File(s):
DBC Driver 4.0 for SQL Server/sqljdbc_4.0/enu/sqljdbc4.jar
Add...
Remove
Driver Class:
com.microsoft.sqlserver.jdbc.SQLServerDriver
Find
Name:
Microsoft SQL Server 2005
Help
Cancel
OK

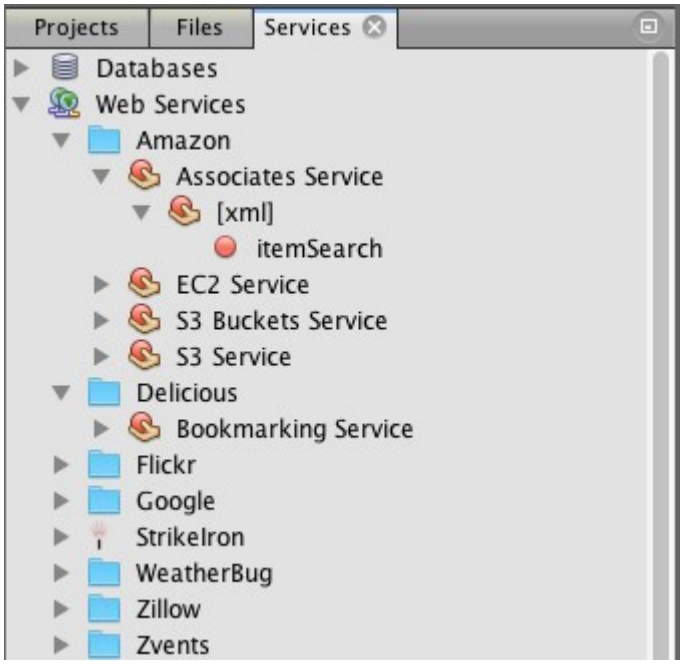

Projects
Files
Services
Databases
MySQL Server at localhost:3306 [root]
Java DB
Drivers
jdbc:derby://localhost:1527/MasteringNetBeans [app on APP]
jdbc:derby://localhost:1527/sample [app on APP]
jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior=convertToNull [root on Default schema]

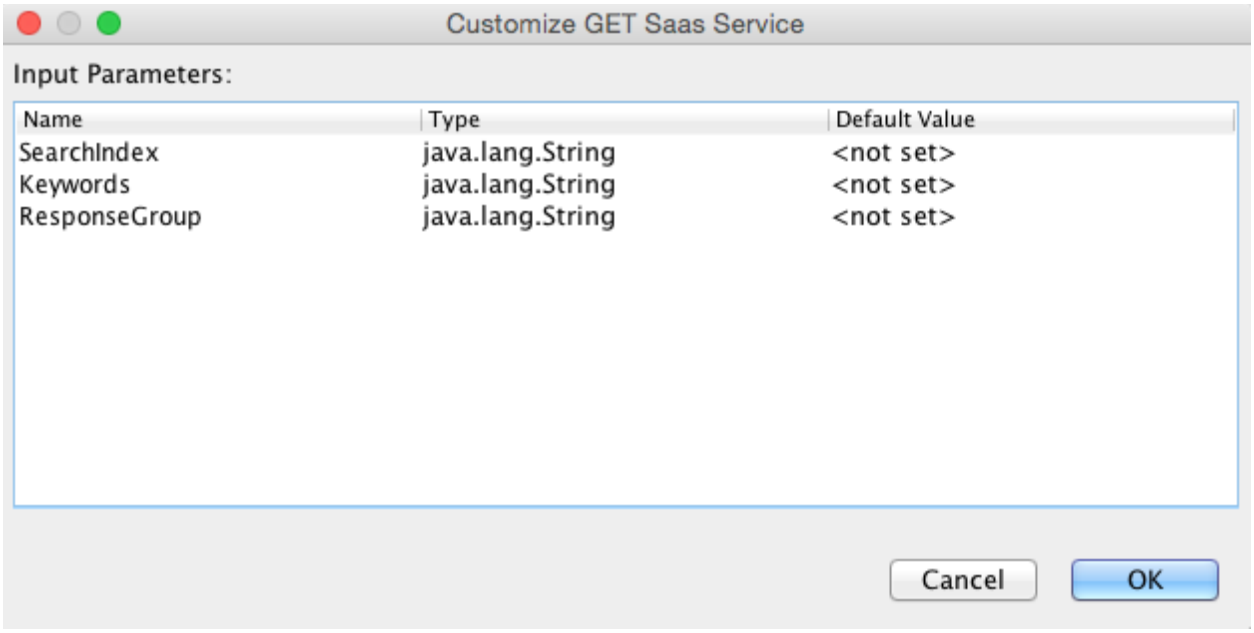
SQL 1 [jdbc:derby://localhost:15...]
Connection:
jdbc:derby://localhost:1527/sample [app on APP]
1

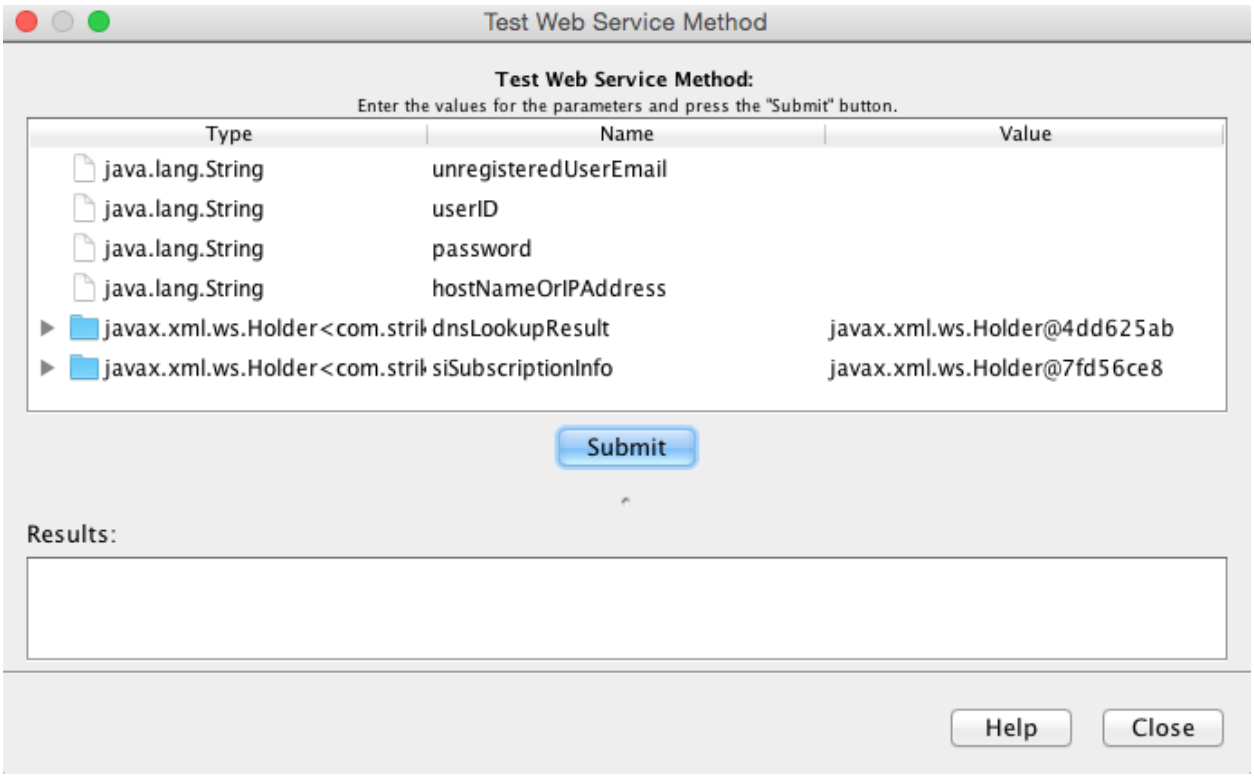


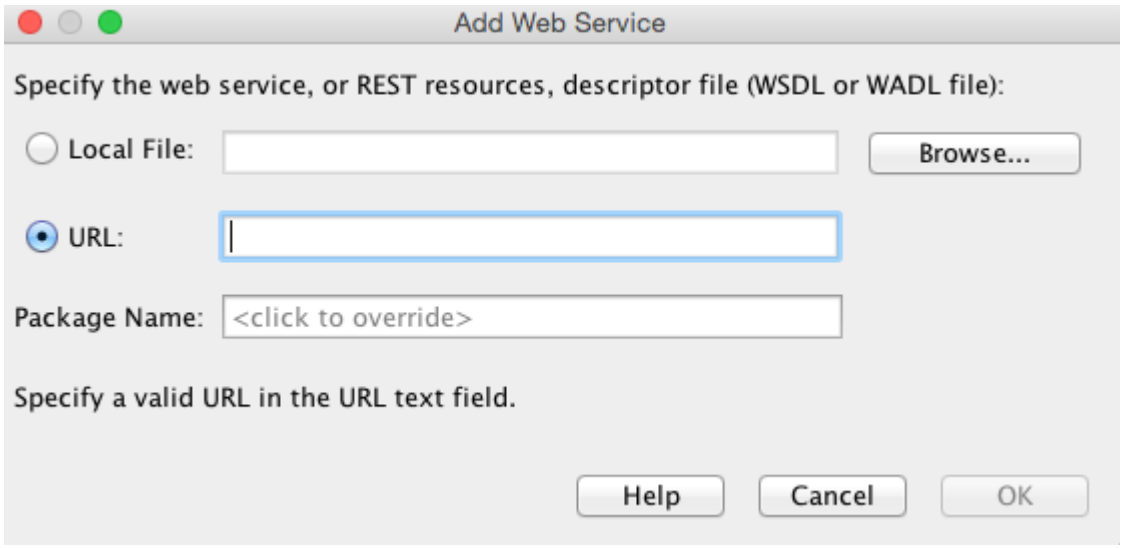
#	CUSTOMER_ID	DISCOUNT_CODE	ZIP	NAME	ADDRESSLINE1	ADDRESSLINE2
1	1	N	95117	Jumbo Eagle Corp	111 E. Las Olivas Blvd	Suite 51
2	2	M	95035	New Enterprises	9754 Main Street	P.O. Box 567
3	25	M	85638	Wren Computers	8989 Red Albatross Drive	Suite 9897
4	3	L	12347	Small Bill Company	8585 South Upper Murray Drive	P.O. Box 456
5	36	H	94401	Bob Hosting Corp.	65653 Lake Road	Suite 2323
6	106	L	95035	Early CentralComp	829 E Flex Drive	Suite 853
7	149	L	95117	John Valley Computers	4381 Kelly Valley Ave	Suite 77
8	863	N	94401	Big Network Systems	456 444th Street	Suite 45
9	777	L	48128	West Valley Inc.	88 Northsouth Drive	Building C

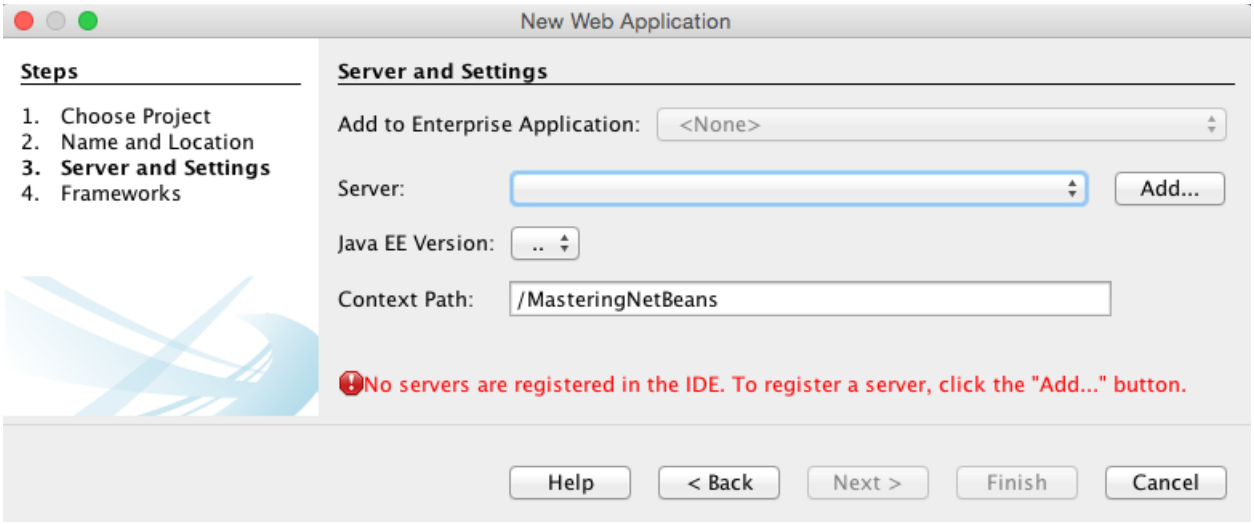


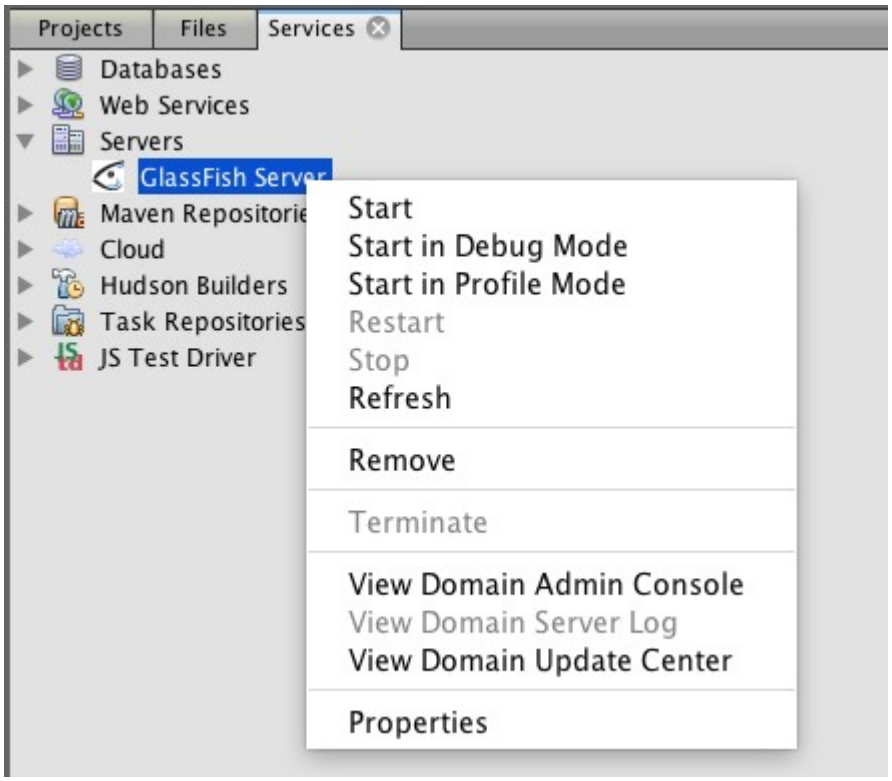


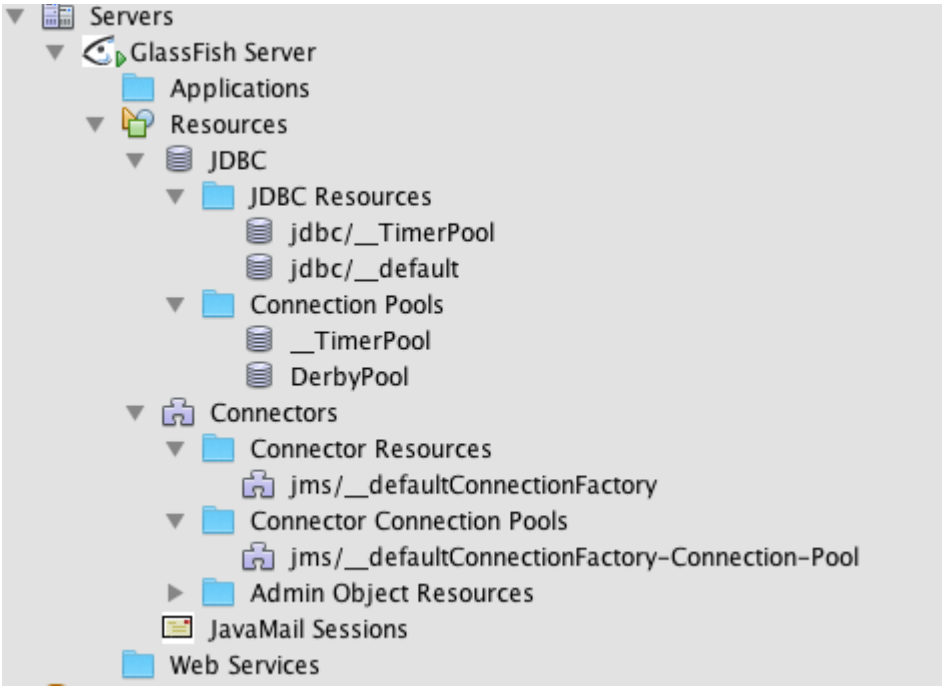

Customize GET Saas Service
Input Parameters:
Name
Type
Default Value
SearchIndex
java.lang.String
<not set>
Keywords
java.lang.String
<not set>
ResponseGroup
java.lang.String
<not set>
Cancel
OK

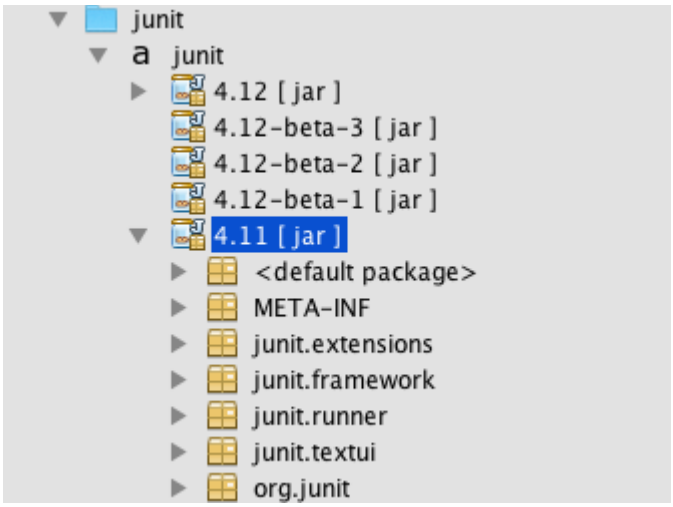

Test Web Service Method
Test Web Service Method:
Enter the values for the parameters and press the "Submit" button.
Type
Name
Value
java.lang.String
unregisteredUserEmail
java.lang.String
userID
java.lang.String
password
java.lang.String
hostNameOrIPAddress
javax.xml.ws.Holder<com.stril
dnsLookupResult
javax.xml.ws.Holder@4dd625ab
javax.xml.ws.Holder<com.stril
siSubscriptionInfo
javax.xml.ws.Holder@7fd56ce8
Submit
Results:
Help
Close

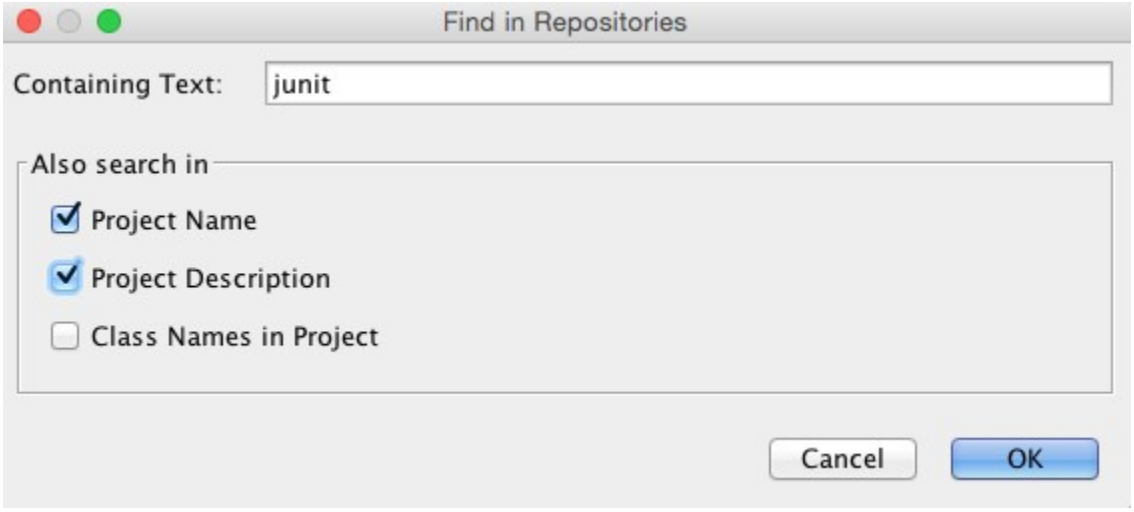

Add Web Service
Specify the web service, or REST resources, descriptor file (WSDL or WADL file):
Local File:
Browse...
URL:
Package Name:
<click to override>
Specify a valid URL in the URL text field.
Help
Cancel
OK

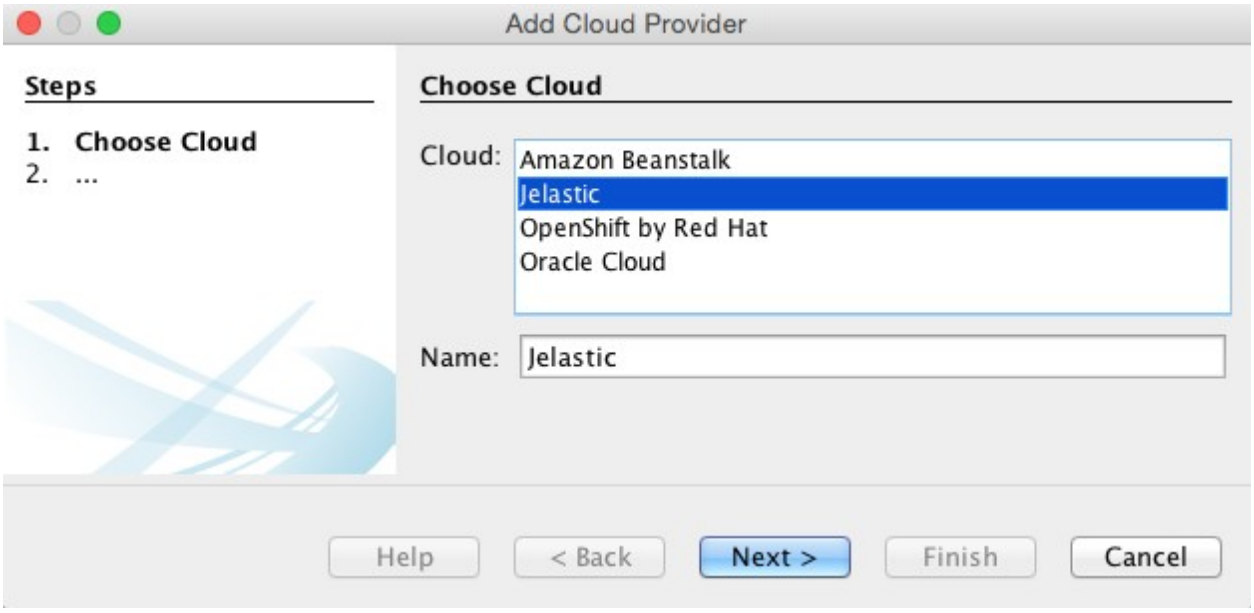

New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Server and Settings
Add to Enterprise Application:
<None>
Server:
Add...
Java EE Version:
Context Path:
/MasteringNetBeans
No servers are registered in the IDE. To register a server, click the "Add..." button.
Help
< Back
Next >
Finish
Cancel

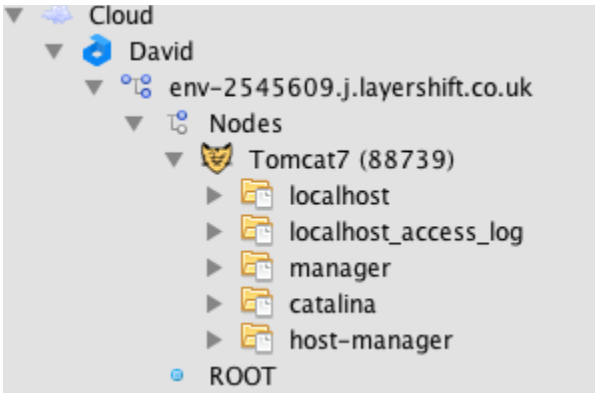

Projects
Files
Services
Databases
Web Services
Servers
GlassFish Server
Maven Repositorie
Cloud
Hudson Builders
Task Repositories
JS Test Driver
Start
Start in Debug Mode
Start in Profile Mode
Restart
Stop
Refresh
Remove
Terminate
View Domain Admin Console
View Domain Server Log
View Domain Update Center
Properties

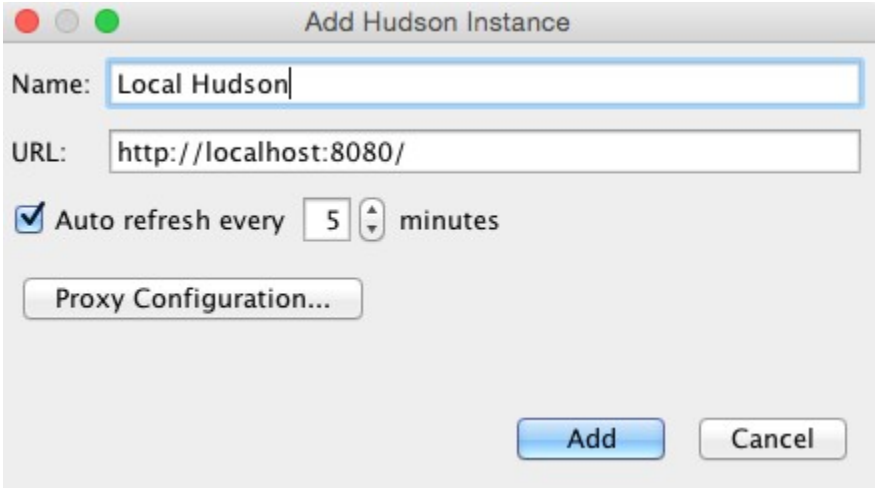

Servers
GlassFish Server
Applications
Resources
JDBC
JDBC Resources
jdbc/__TimerPool
jdbc/__default
Connection Pools
__TimerPool
DerbyPool
Connectors
Connector Resources
jms/__defaultConnectionFactory
Connector Connection Pools
jms/__defaultConnectionFactory-Connection-Pool
Admin Object Resources
JavaMail Sessions
Web Services

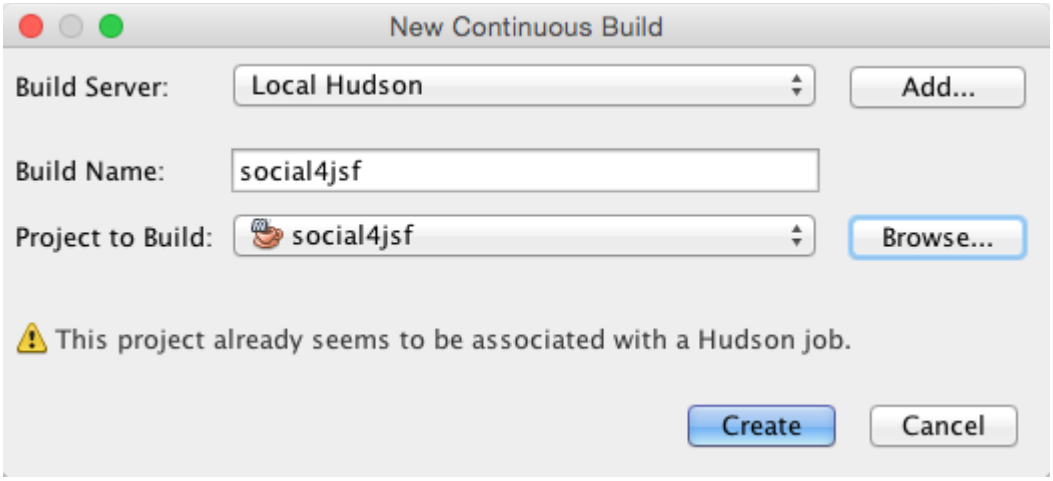

junit
junit
4.12 [jar]
4.12-beta-3 [jar]
4.12-beta-2 [jar]
4.12-beta-1 [jar]
4.11 [jar]
<default package>
META-INF
junit.extensions
junit.framework
junit.runner
junit.textui
org.junit

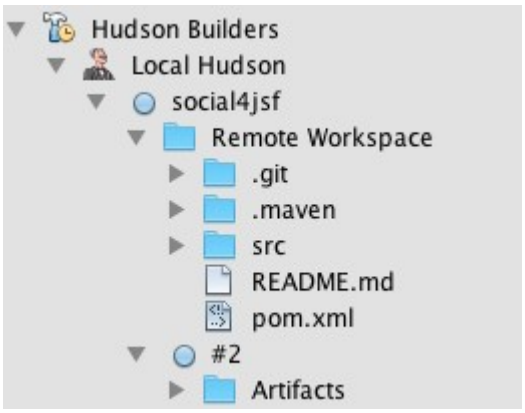

Find in Repositories
Containing Text:
junit
Also search in
Project Name
Project Description
Class Names in Project
Cancel
OK

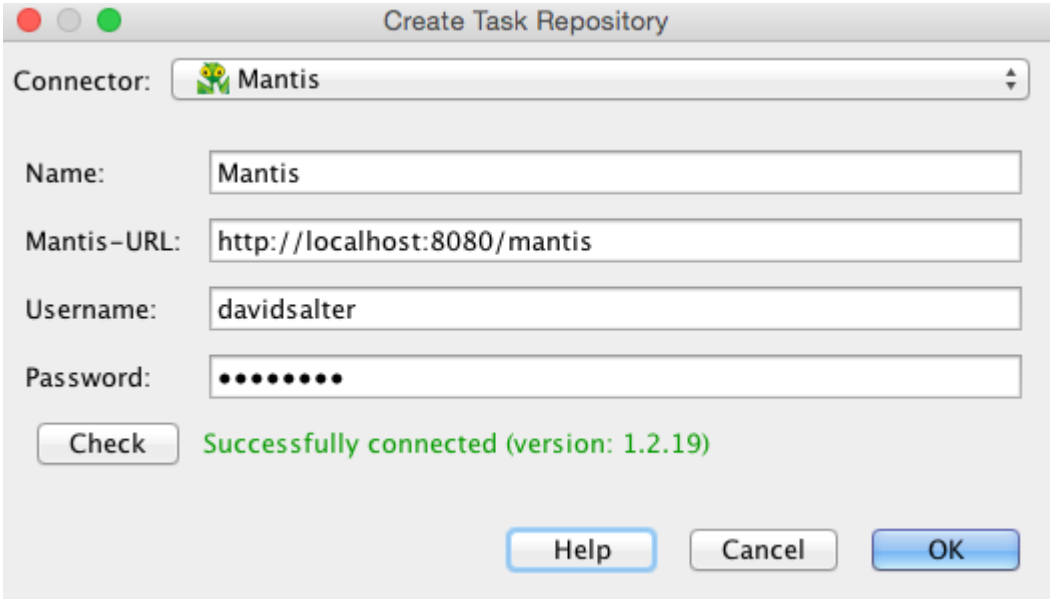

Add Cloud Provider
Steps
1. Choose Cloud
2. ...
Choose Cloud
Cloud:
Amazon Beanstalk
Jelastic
OpenShift by Red Hat
Oracle Cloud
Name:
Jelastic
Help
< Back
Next >
Finish
Cancel

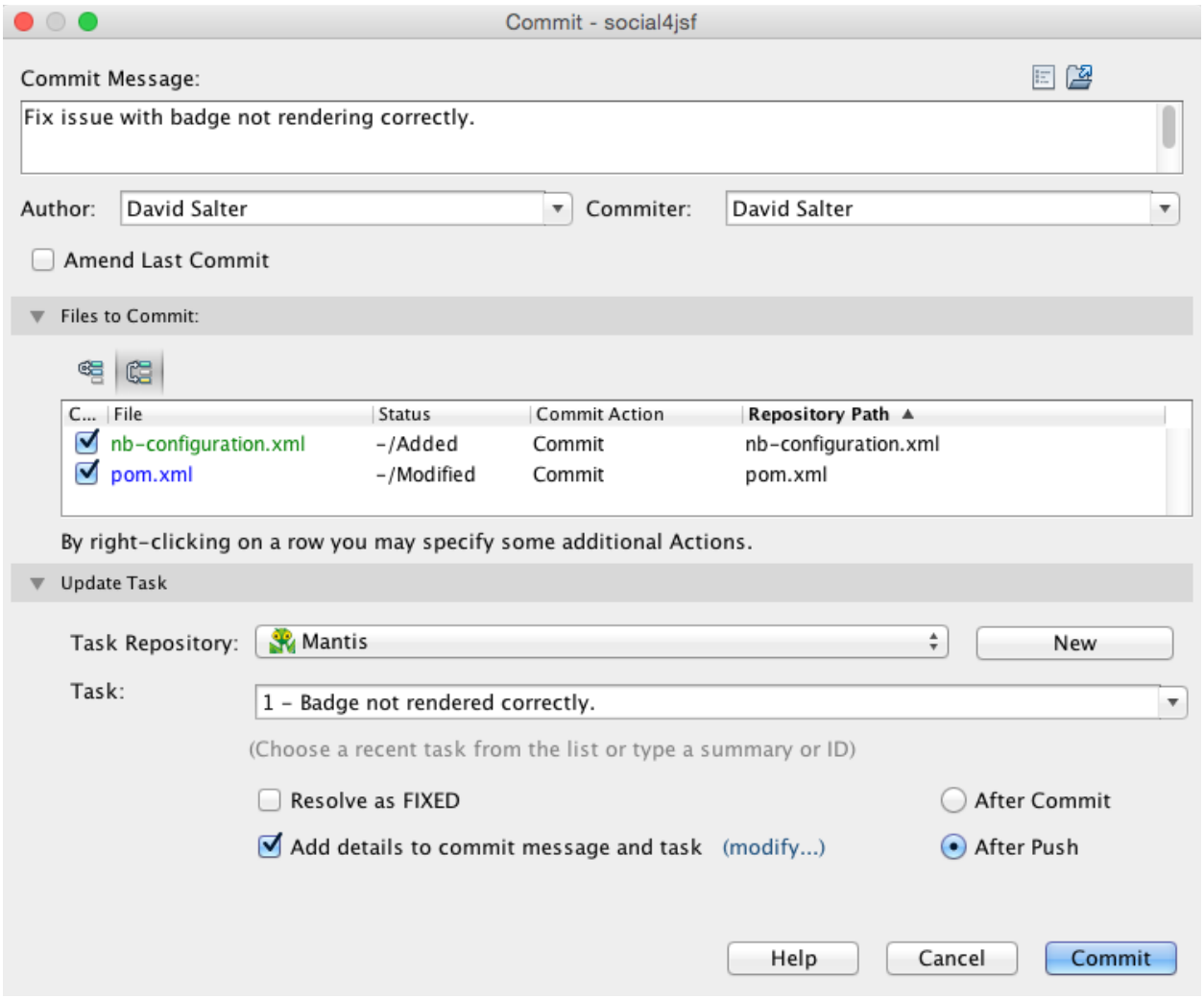

Cloud
David
env-2545609.j.layershift.co.uk
Nodes
Tomcat7 (88739)
localhost
localhost_access_log
manager
catalina
host-manager
ROOT


Add Hudson Instance
Name:
Local Hudson
URL:
http://localhost:8080/
Auto refresh every
5
minutes
Proxy Configuration...
Add
Cancel

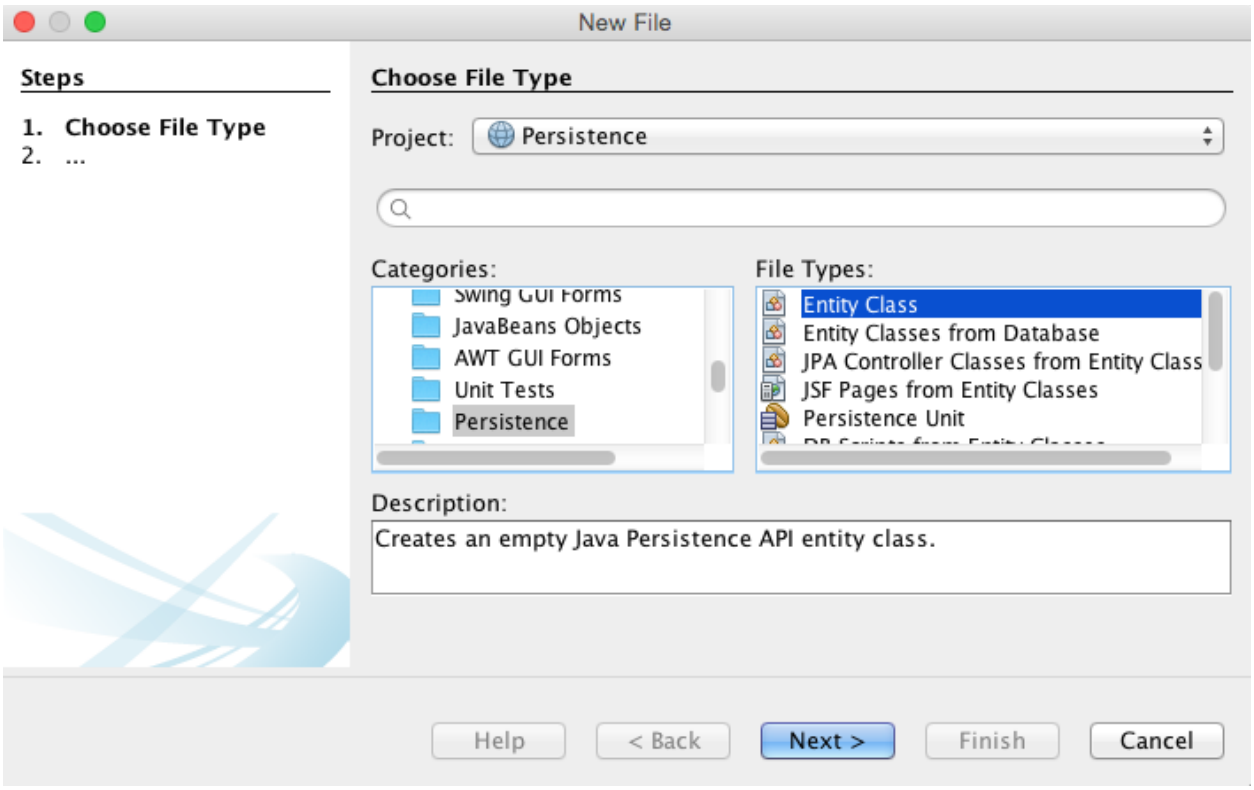

New Continuous Build
Build Server:
Local Hudson
Add...
Build Name:
social4jsf
Project to Build:
social4jsf
Browse...
This project already seems to be associated with a Hudson job.
Create
Cancel


Hudson Builders
Local Hudson
social4jsf
Remote Workspace
.git
.maven
src
README.md
pom.xml
#2
Artifacts

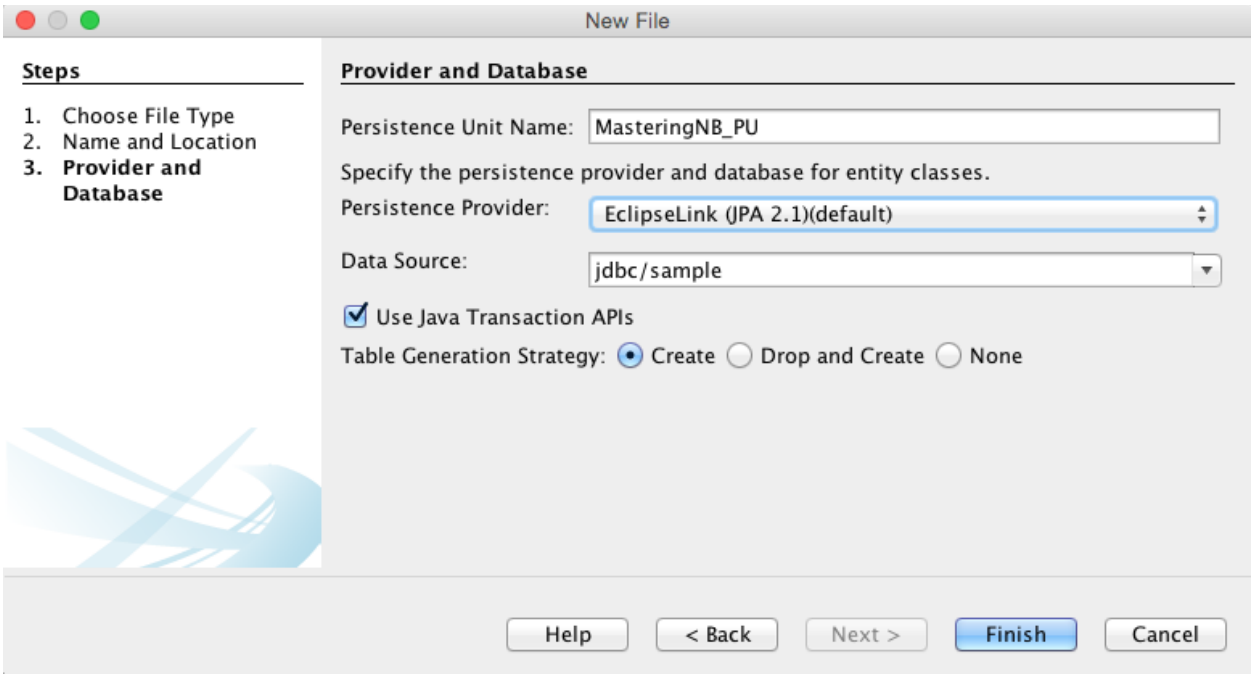

Create Task Repository
Connector:
Mantis
Name:
Mantis
Mantis-URL:
http://localhost:8080/mantis
Username:
davidsalter
Password:
Check
Successfully connected (version: 1.2.19)
Help
Cancel
OK

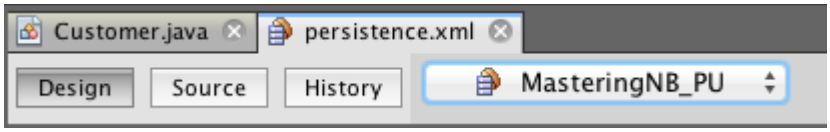


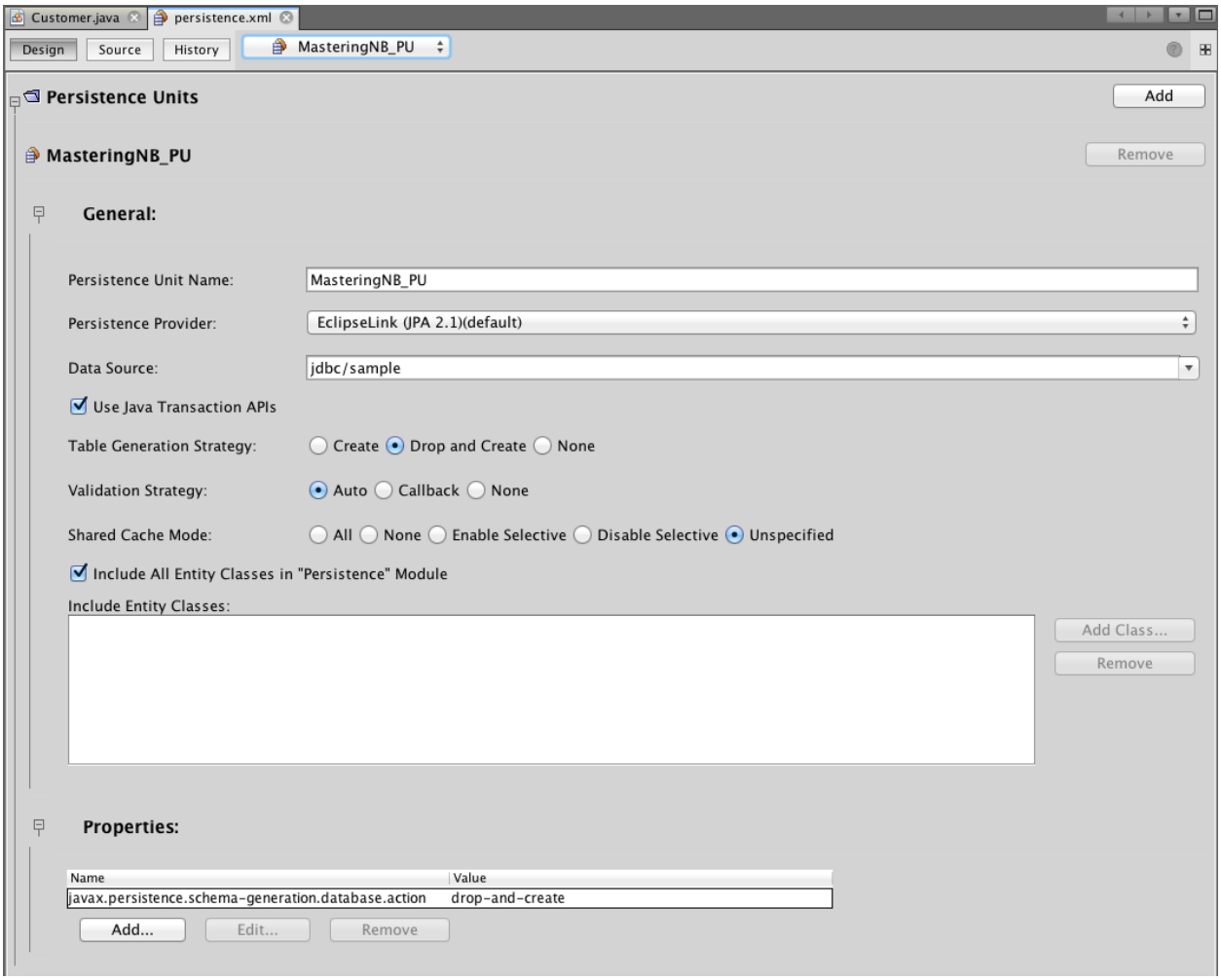
Chapter 5: Database Persistence

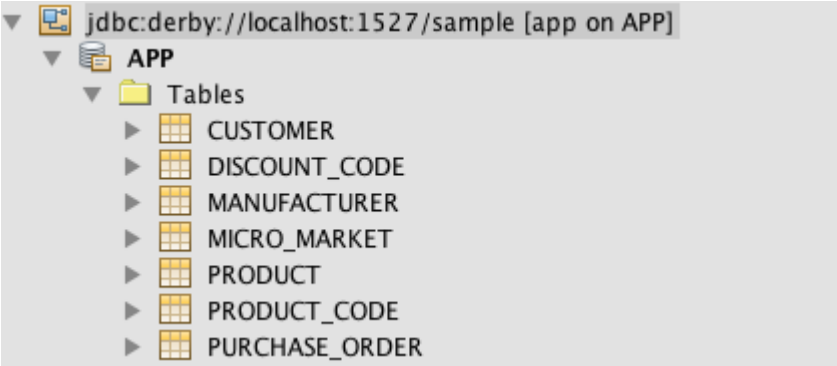

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
Persistence
Categories:
Swing GUI Forms
JavaBeans Objects
AWT GUI Forms
Unit Tests
Persistence
File Types:
Entity Class
Entity Classes from Database
JPA Controller Classes from Entity Class
JSF Pages from Entity Classes
Persistence Unit
Description:
Creates an empty Java Persistence API entity class.
Help
< Back
Next >
Finish
Cancel

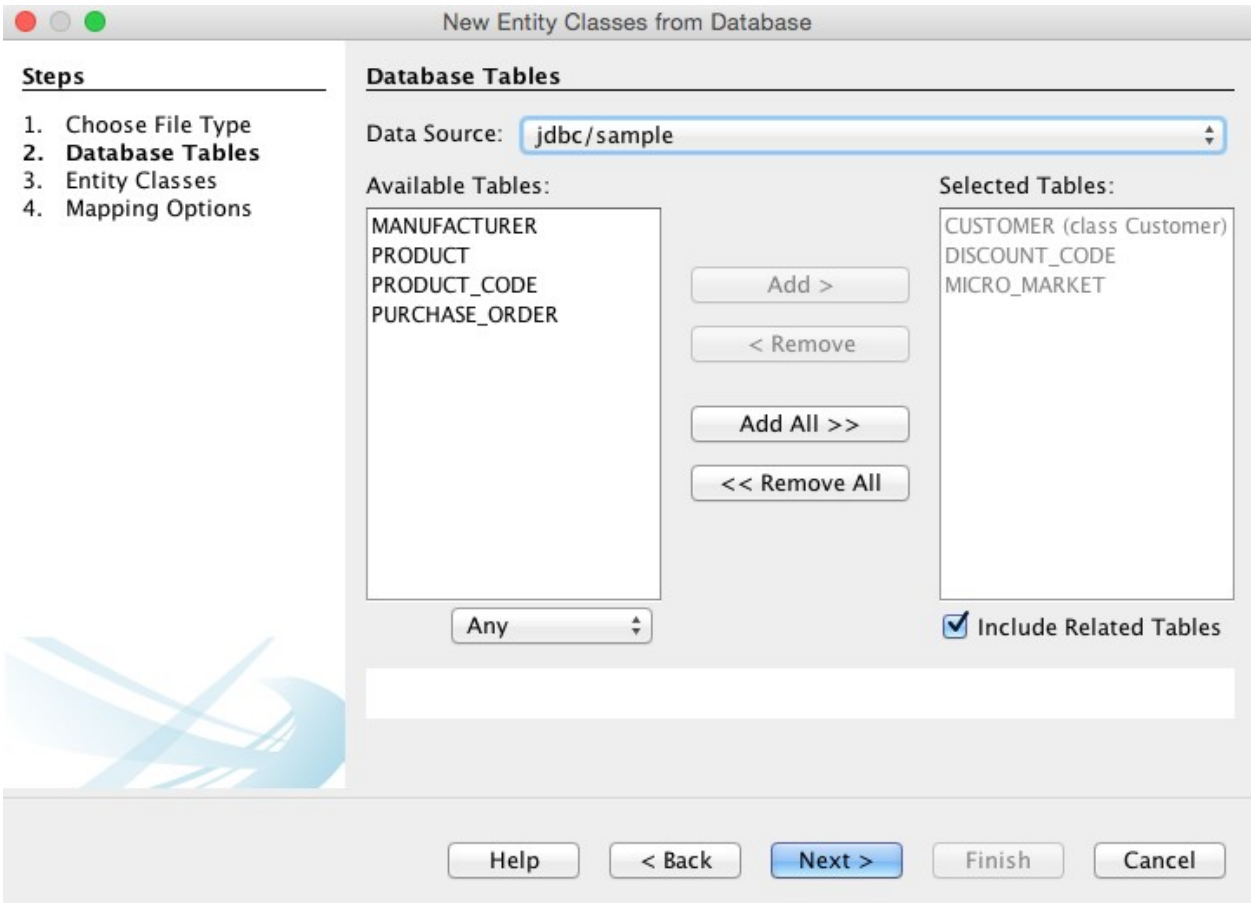
Primary Key Type:
Long
...
Create Persistence Unit

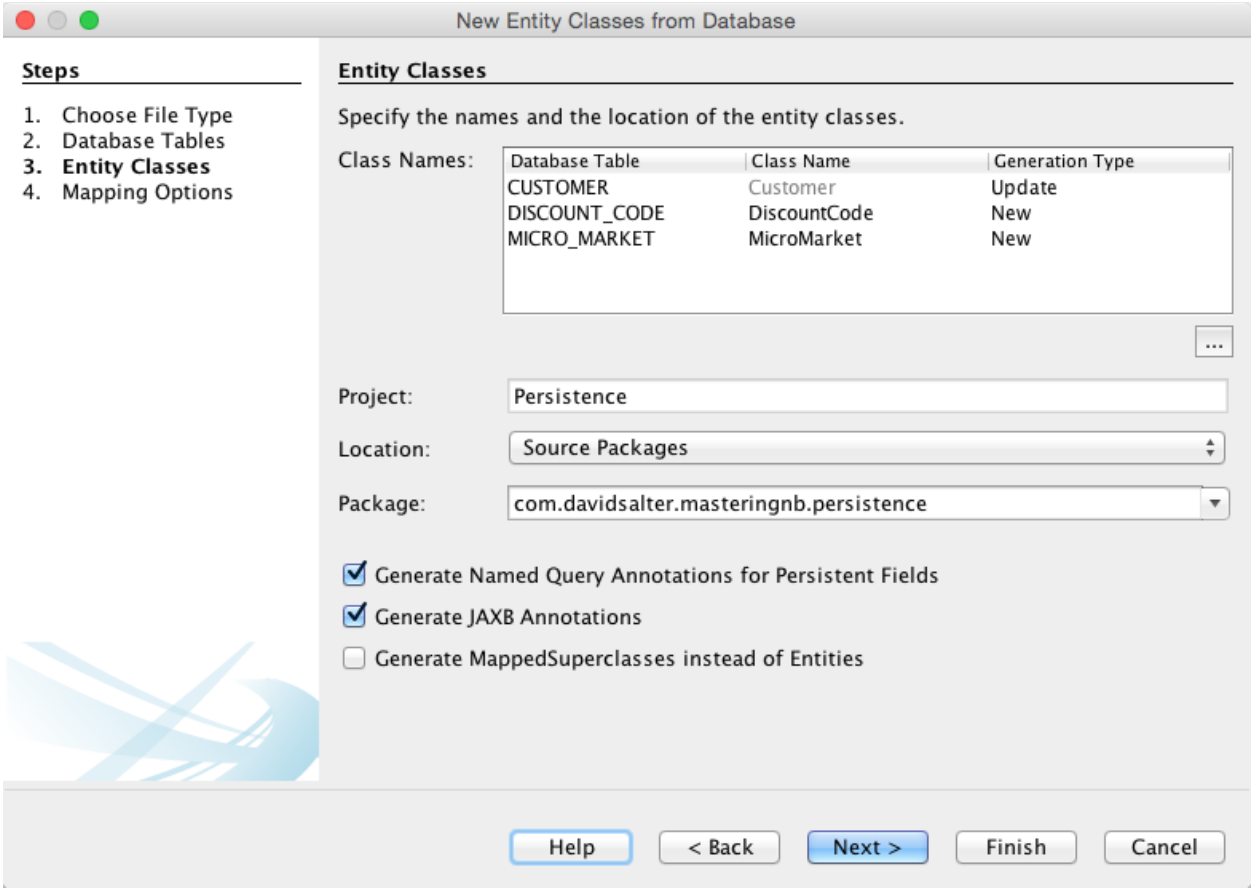

New File
Steps
1. Choose File Type
2. Name and Location
3. Provider and Database
Provider and Database
Persistence Unit Name: MasteringNB_PU
Specify the persistence provider and database for entity classes.
Persistence Provider: EclipseLink (JPA 2.1)(default)
Data Source: jdbc/sample
Use Java Transaction APIs
Table Generation Strategy: Create Drop and Create None
Help
< Back
Next >
Finish
Cancel

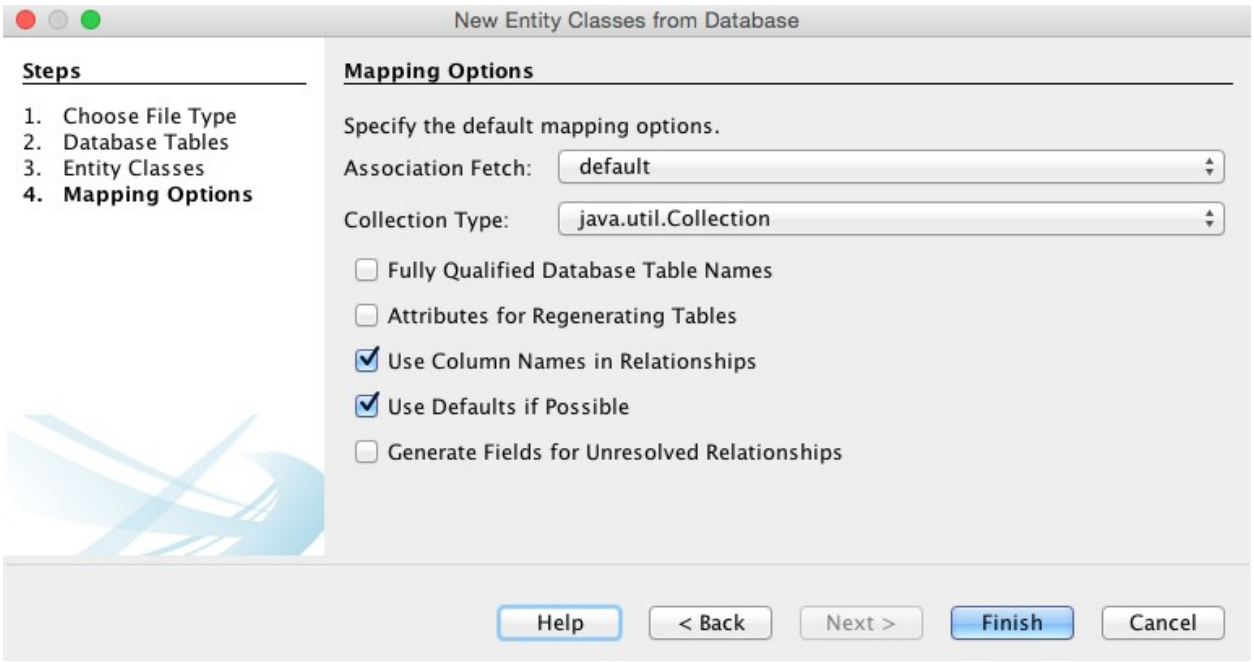

Customer.java
persistence.xml
Design
Source
History
MasteringNB_PU

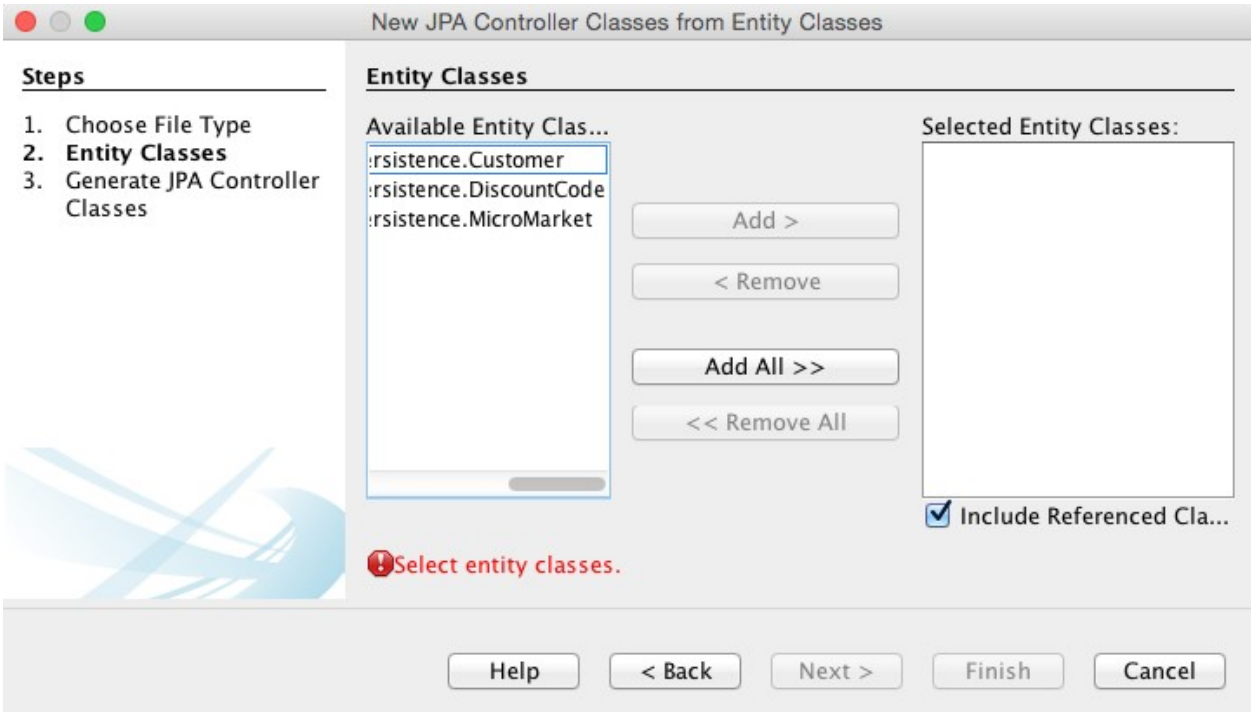

Customer.java
persistence.xml
Design
Source
History
MasteringNB_PU
Persistence Units
Add
MasteringNB_PU
Remove
General:
Persistence Unit Name:
MasteringNB_PU
Persistence Provider:
EclipseLink (JPA 2.1)(default)
Data Source:
jdbc/sample
Use Java Transaction APIs
Table Generation Strategy:
Create
Drop and Create
None
Validation Strategy:
Auto
Callback
None
Shared Cache Mode:
All
None
Enable Selective
Disable Selective
Unspecified
Include All Entity Classes in "Persistence" Module
Include Entity Classes:
Add Class...
Remove
Properties:
Name
Value
javax.persistence.schema-generation.database.action
drop-and-create
Add...
Edit...
Remove

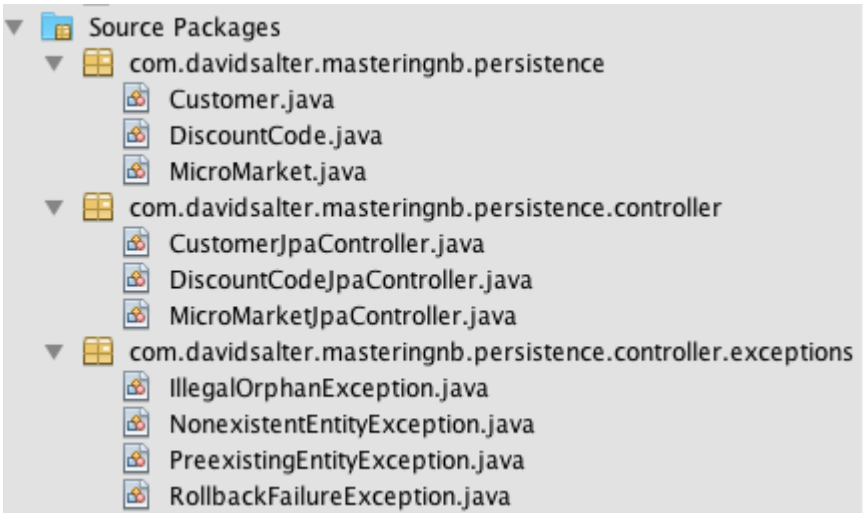

jdbc:derby://localhost:1527/sample [app on APP]
APP
Tables
CUSTOMER
DISCOUNT_CODE
MANUFACTURER
MICRO_MARKET
PRODUCT
PRODUCT_CODE
PURCHASE_ORDER

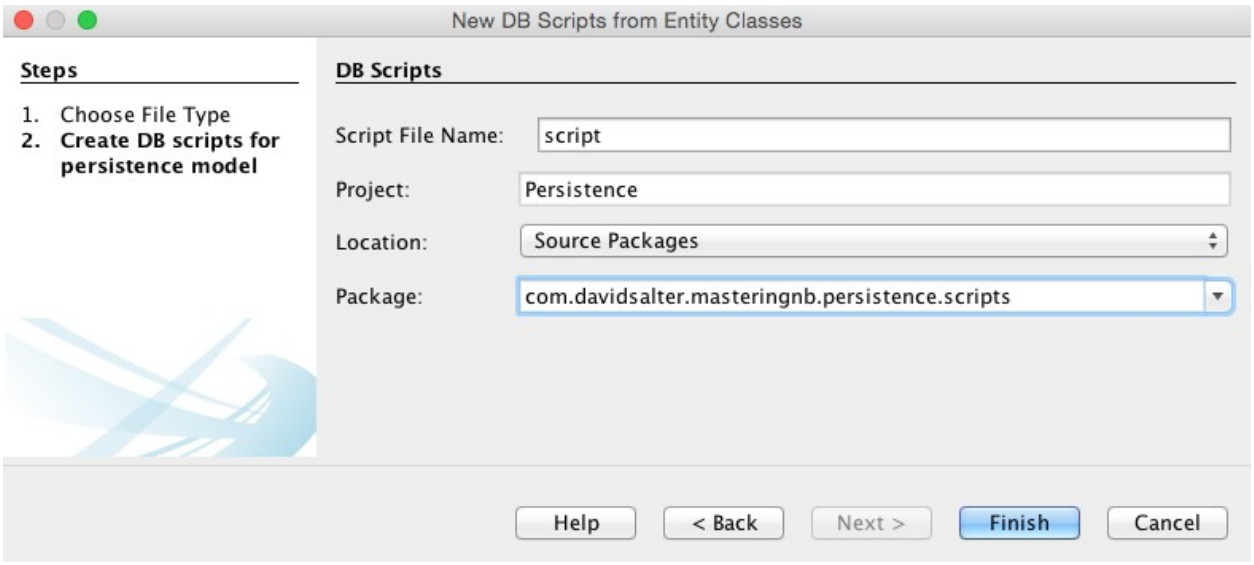

New Entity Classes from Database
Steps
1. Choose File Type
2. Database Tables
3. Entity Classes
4. Mapping Options
Database Tables
Data Source:
jdbc/sample
Available Tables:
MANUFACTURER
PRODUCT
PRODUCT_CODE
PURCHASE_ORDER
Add >
< Remove
Add All >>
<< Remove All
Selected Tables:
CUSTOMER (class Customer)
DISCOUNT_CODE
MICRO_MARKET
Any
Include Related Tables
Help
< Back
Next >
Finish
Cancel

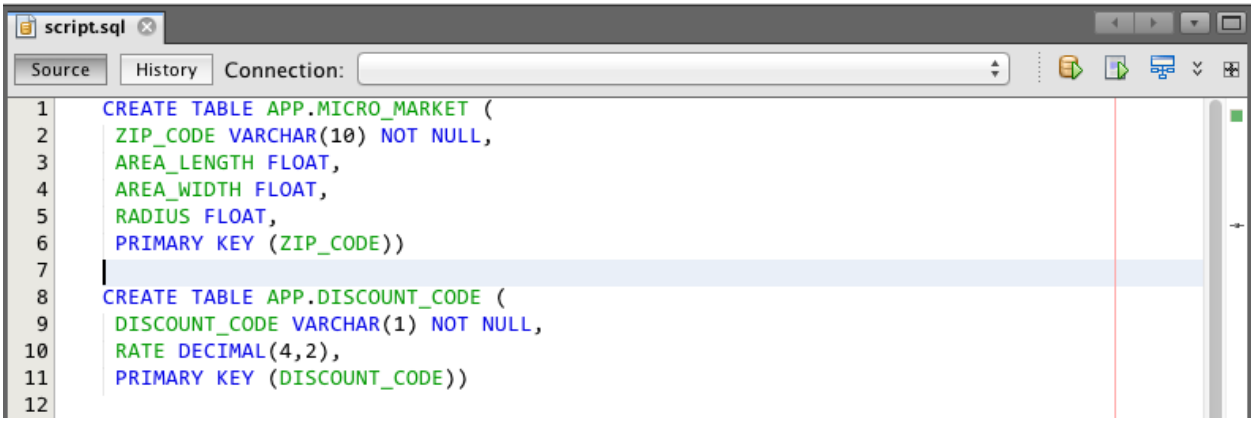

New Entity Classes from Database
Steps
1. Choose File Type
2. Database Tables
3. Entity Classes
4. Mapping Options
Entity Classes
Specify the names and the location of the entity classes.
Class Names:
Database Table
Class Name
Generation Type
CUSTOMER
Customer
Update
DISCOUNT_CODE
DiscountCode
New
MICRO_MARKET
MicroMarket
New
...
Project:
Persistence
Location:
Source Packages
Package:
com.davidsalter.masteringnb.persistence
Generate Named Query Annotations for Persistent Fields
Generate JAXB Annotations
Generate MappedSuperclasses instead of Entities
Help
< Back
Next >
Finish
Cancel

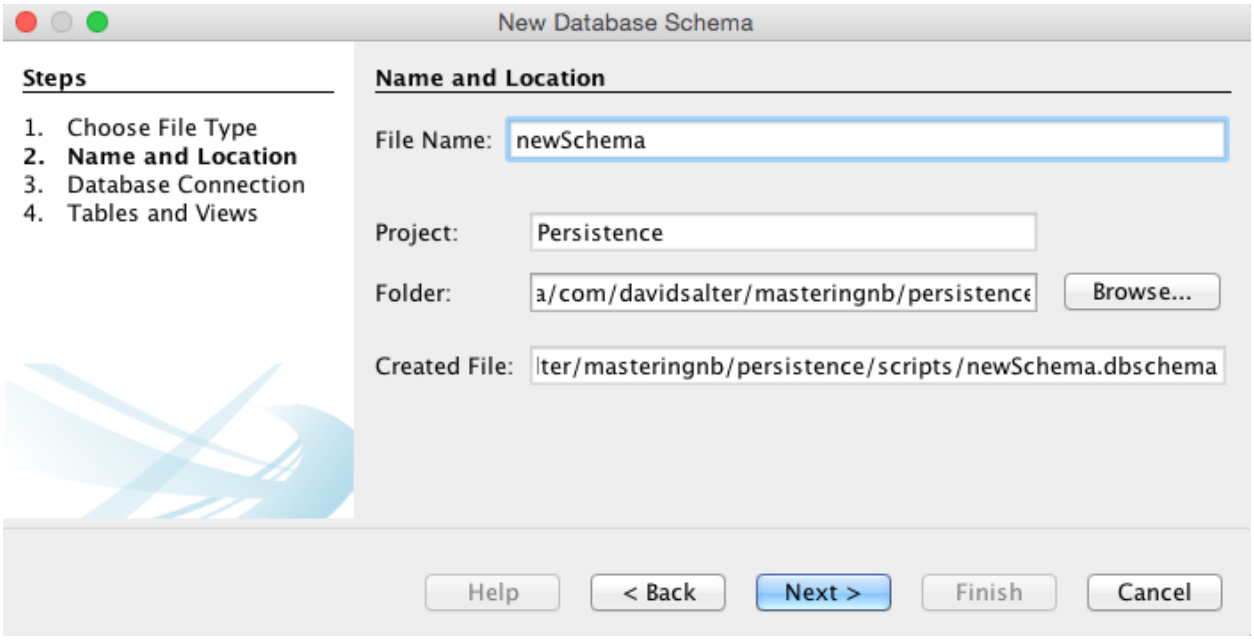

New Entity Classes from Database
Steps
1. Choose File Type
2. Database Tables
3. Entity Classes
4. Mapping Options
Mapping Options
Specify the default mapping options.
Association Fetch:
default
Collection Type:
java.util.Collection
Fully Qualified Database Table Names
Attributes for Regenerating Tables
Use Column Names in Relationships
Use Defaults if Possible
Generate Fields for Unresolved Relationships
Help
< Back
Next >
Finish
Cancel


New JPA Controller Classes from Entity Classes
Steps
1. Choose File Type
2. Entity Classes
3. Generate JPA Controller Classes
Entity Classes
Available Entity Clas...
rsistence.Customer
rsistence.DiscountCode
rsistence.MicroMarket
Add >
< Remove
Add All >>
<< Remove All
Selected Entity Classes:
Include Referenced Cla...
Select entity classes.
Help
< Back
Next >
Finish
Cancel

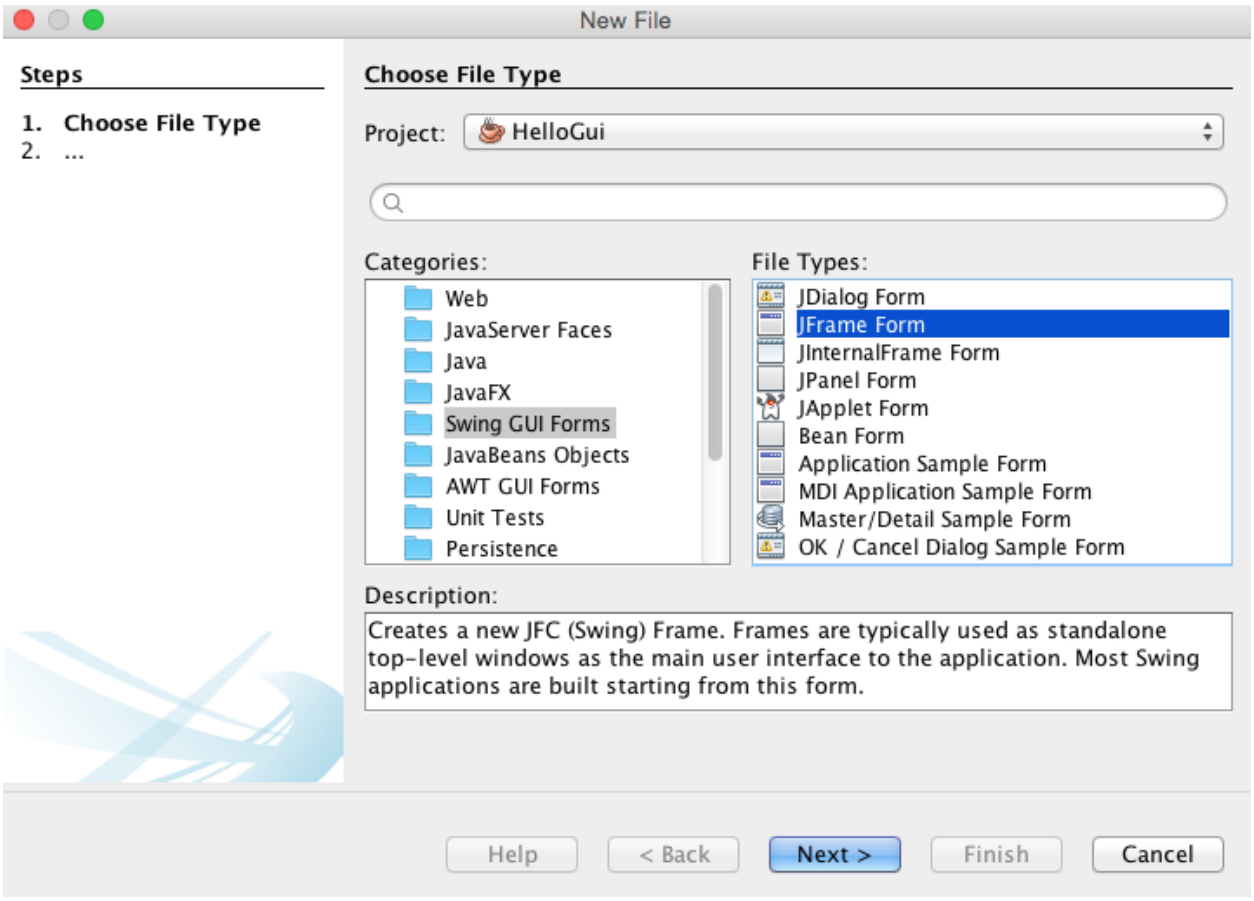

Source Packages
com.davidsalter.masteringnb.persistence
Customer.java
DiscountCode.java
MicroMarket.java
com.davidsalter.masteringnb.persistence.controller
CustomerJpaController.java
DiscountCodeJpaController.java
MicroMarketJpaController.java
com.davidsalter.masteringnb.persistence.controller.exceptions
IllegalOrphanException.java
NonexistentEntityException.java
PreexistingEntityException.java
RollbackFailureException.java

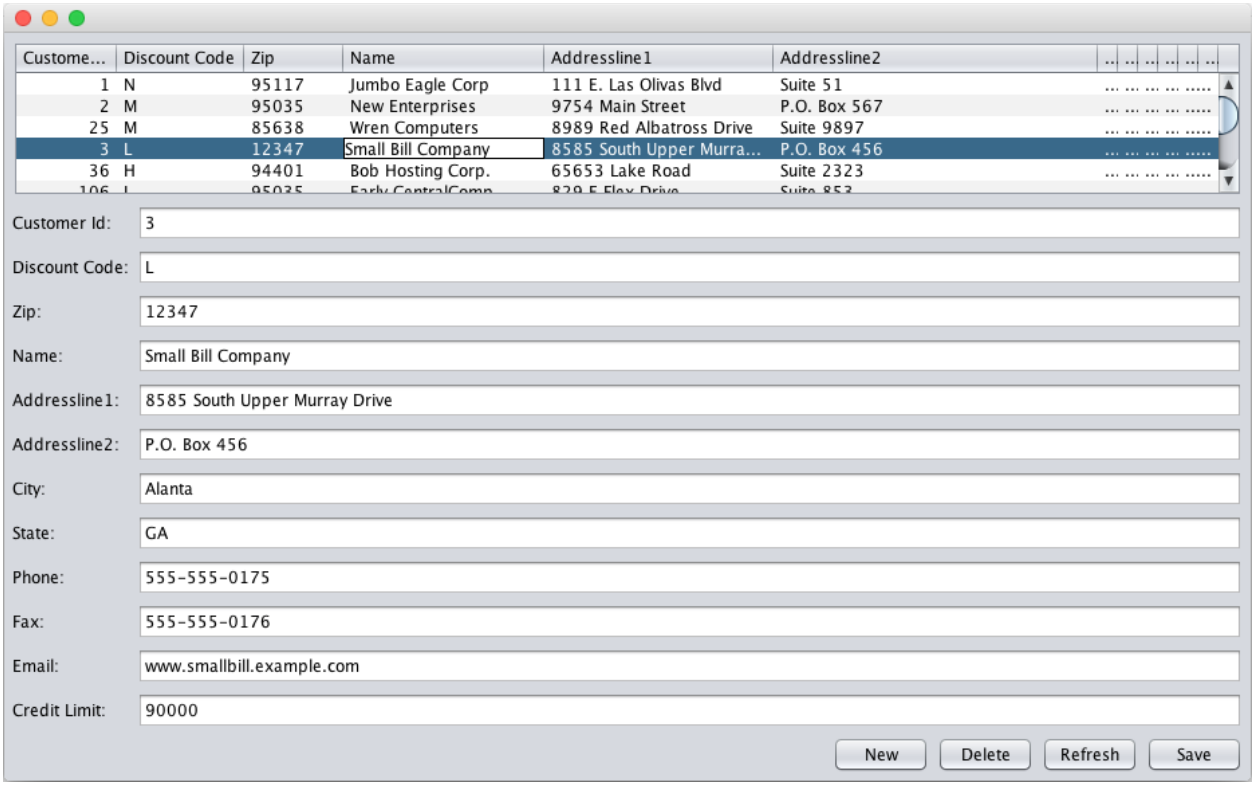

New DB Scripts from Entity Classes
Steps
1. Choose File Type
2. Create DB scripts for persistence model
DB Scripts
Script File Name: script
Project: Persistence
Location: Source Packages
Package: com.davidsalter.masteringnb.persistence.scripts
Help
< Back
Next >
Finish
Cancel

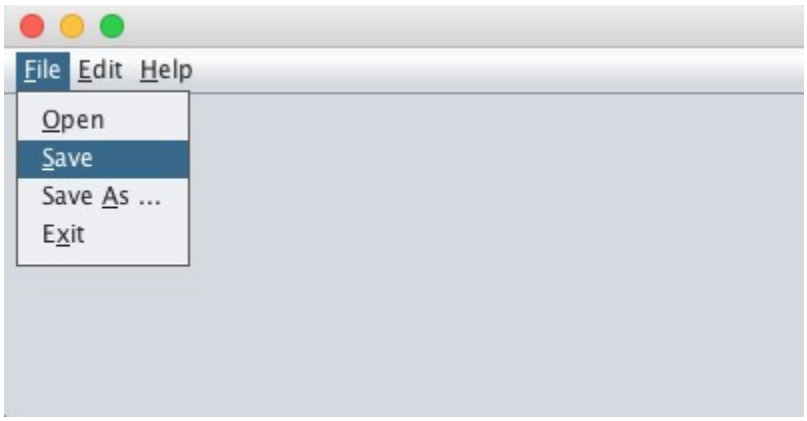

script.sql
Source
History
Connection:
1 CREATE TABLE APP.MICRO_MARKET (
2 ZIP_CODE VARCHAR(10) NOT NULL,
3 AREA_LENGTH FLOAT,
4 AREA_WIDTH FLOAT,
5 RADIUS FLOAT,
6 PRIMARY KEY (ZIP_CODE))
7
8 CREATE TABLE APP.DISCOUNT_CODE (
9 DISCOUNT_CODE VARCHAR(1) NOT NULL,
10 RATE DECIMAL(4,2),
11 PRIMARY KEY (DISCOUNT_CODE))
12

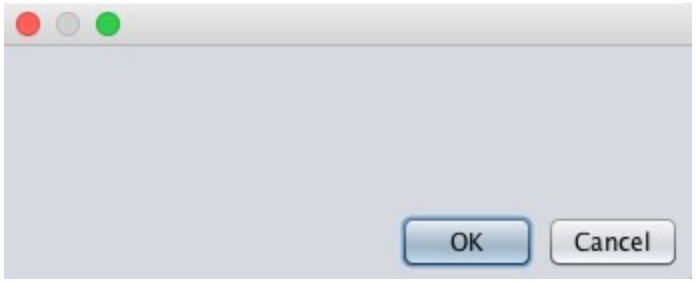

New Database Schema
Steps
1. Choose File Type
2. Name and Location
3. Database Connection
4. Tables and Views
Name and Location
File Name: newSchema
Project: Persistence
Folder: a/com/davidsalter/masteringnb/persistence
Browse...
Created File: ter/masteringnb/persistence/scripts/newSchema.dbschema
Help
< Back
Next >
Finish
Cancel

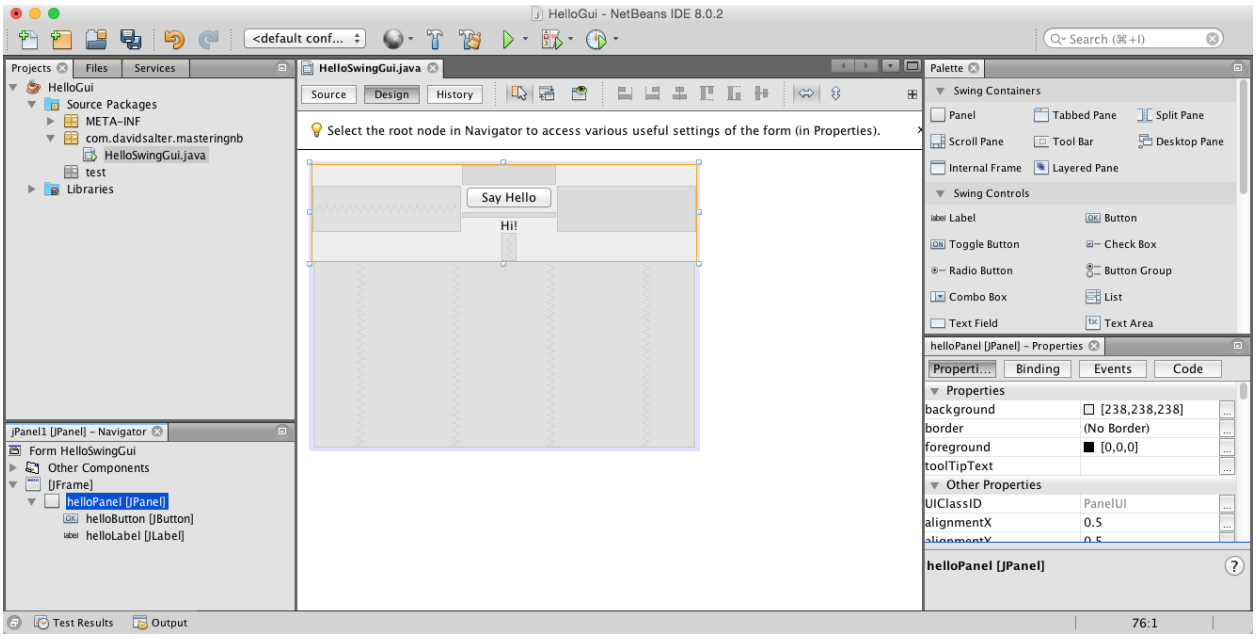
Chapter 6: Desktop Development

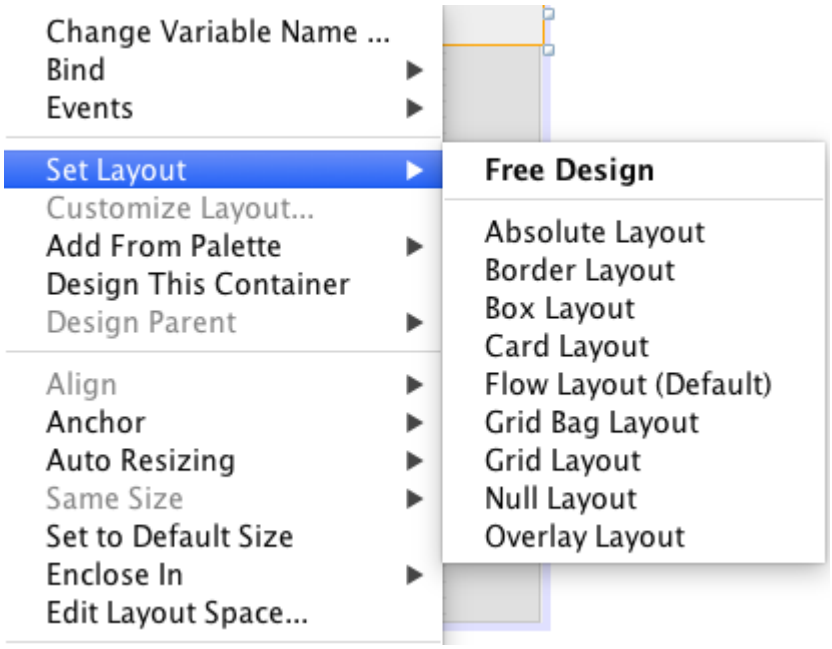

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
HelloGui
Categories:
Web
JavaServer Faces
Java
JavaFX
Swing GUI Forms
JavaBeans Objects
AWT GUI Forms
Unit Tests
Persistence
File Types:
JDialog Form
JFrame Form
JInternalFrame Form
JPanel Form
JApplet Form
Bean Form
Application Sample Form
MDI Application Sample Form
Master/Detail Sample Form
OK / Cancel Dialog Sample Form
Description:
Creates a new JFC (Swing) Frame. Frames are typically used as standalone top-level windows as the main user interface to the application. Most Swing applications are built starting from this form.
Help
< Back
Next >
Finish
Cancel

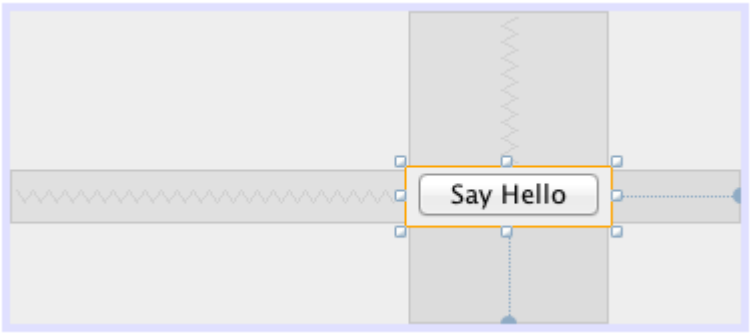

Custome...
Discount Code
Zip
Name
Addressline1
Addressline2
1 N 95117 Jumbo Eagle Corp 111 E. Las Olivas Blvd Suite 51
2 M 95035 New Enterprises 9754 Main Street P.O. Box 567
25 M 85638 Wren Computers 8989 Red Albatross Drive Suite 9897
3 L 12347 Small Bill Company 8585 South Upper Murra... P.O. Box 456
36 H 94401 Bob Hosting Corp. 65653 Lake Road Suite 2323
Customer Id: 3
Discount Code: L
Zip: 12347
Name: Small Bill Company
Addressline1: 8585 South Upper Murray Drive
Addressline2: P.O. Box 456
City: Alanta
State: GA
Phone: 555-555-0175
Fax: 555-555-0176
Email: www.smallbill.example.com
Credit Limit: 90000
New
Delete
Refresh
Save

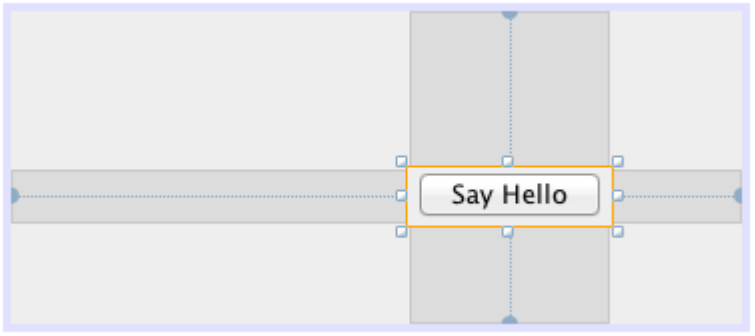

File Edit Help
Open
Save
Save As ...
Exit


OK
Cancel

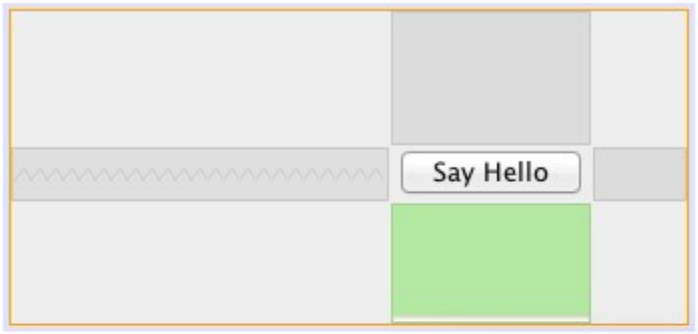

HelloGui - NetBeans IDE 8.0.2
Projects
Files
Services
HelloGui
Source Packages
META-INF
com.davidsalter.masteringnb
HelloSwingGui.java
test
Libraries
HelloSwingGui.java
Source
Design
History
Select the root node in Navigator to access various useful settings of the form (in Properties).
Say Hello
Hi!
Palette
Swing Containers
Panel
Tabbed Pane
Split Pane
Scroll Pane
Tool Bar
Desktop Pane
Internal Frame
Layered Pane
Swing Controls
Label
Button
Toggle Button
Check Box
Radio Button
Button Group
Combo Box
List
Text Field
Text Area
helloPanel [JPanel] - Properties
Properti...
Binding
Events
Code
Properties
background
[238,238,238]
border
(No Border)
foreground
[0,0,0]
toolTipText
Other Properties
UIClassID
PanelUI
alignmentX
0.5
helloPanel [JPanel]
jPanel1 [JPanel] - Navigator
Form HelloSwingGui
Other Components
[JFrame]
helloPanel [JPanel]
helloButton [JButton]
helloLabel [JLabel]
Test Results
Output
76:1

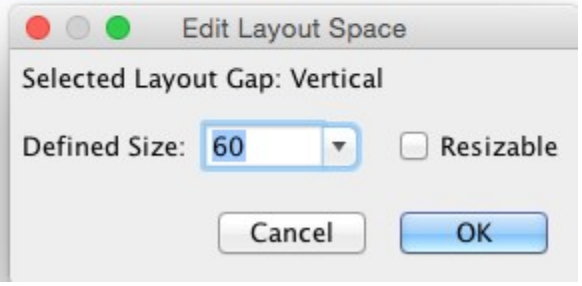

Change Variable Name ...
Bind
Events
Set Layout
Customize Layout...
Add From Palette
Design This Container
Design Parent
Align
Anchor
Auto Resizing
Same Size
Set to Default Size
Enclose In
Edit Layout Space...
Free Design
Absolute Layout
Border Layout
Box Layout
Card Layout
Flow Layout (Default)
Grid Bag Layout
Grid Layout
Null Layout
Overlay Layout

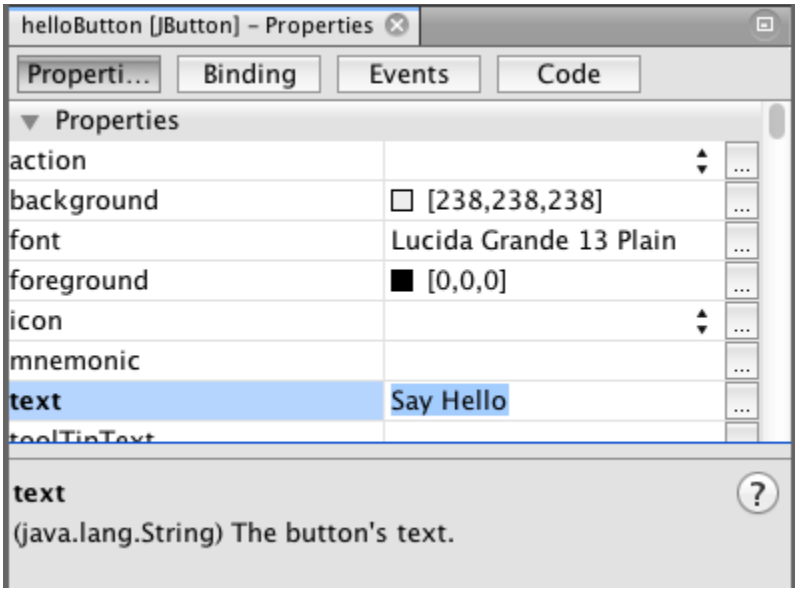

Say Hello


Say Hello

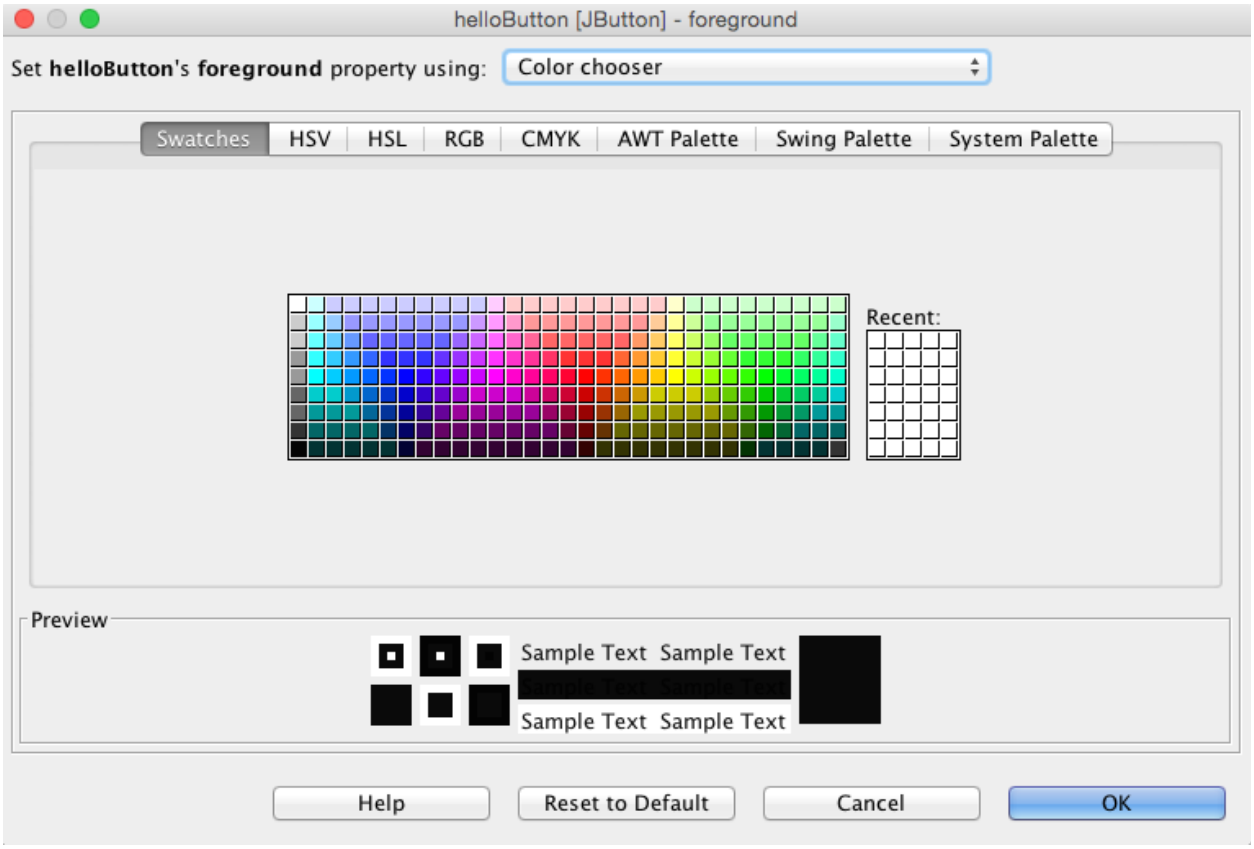
Source
Design
History

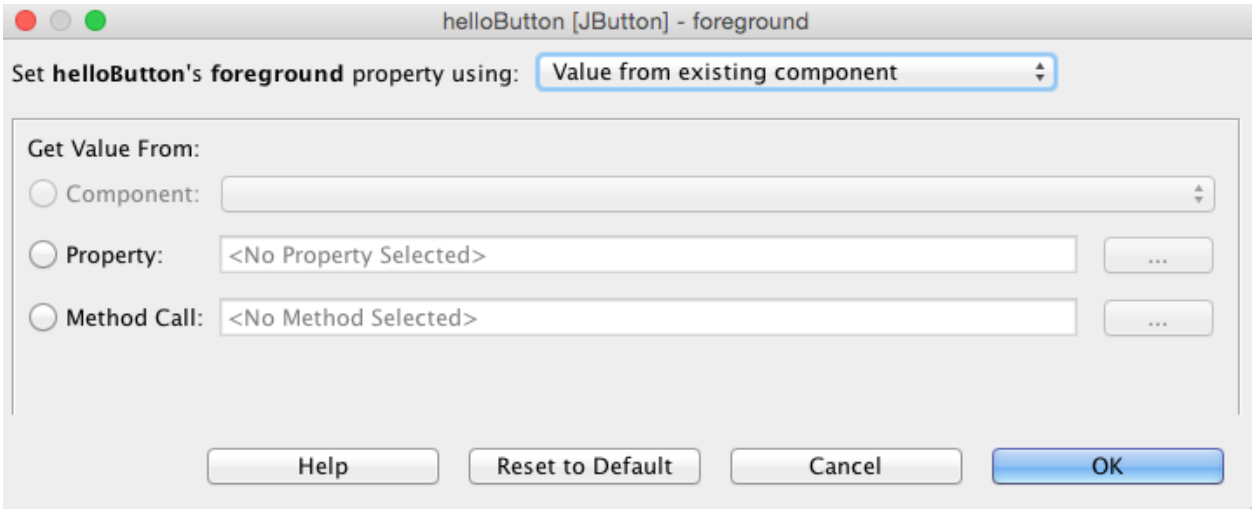

Say Hello

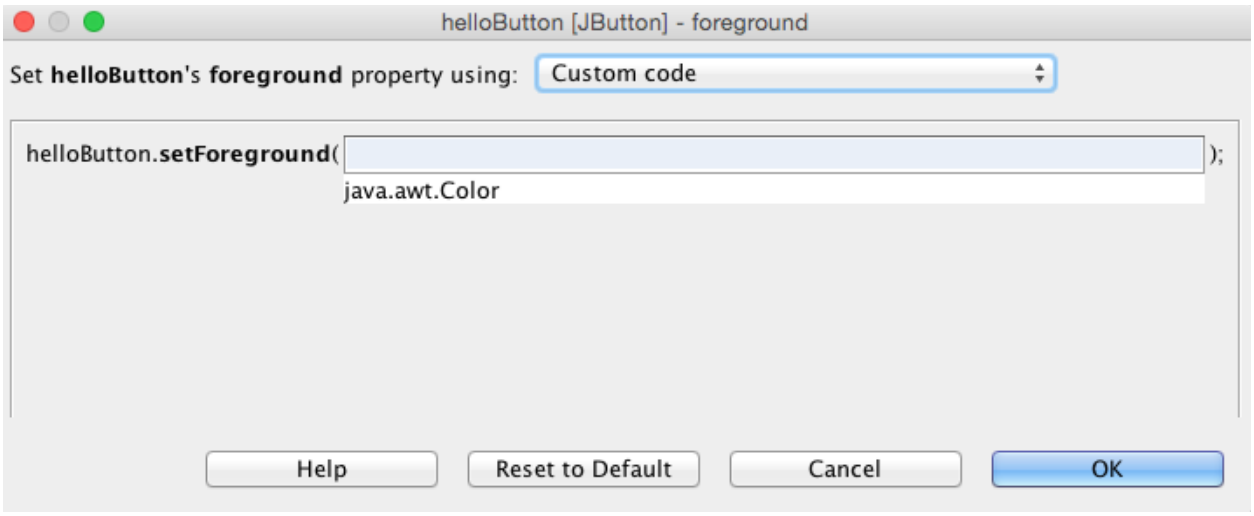

Edit Layout Space
Selected Layout Gap: Vertical
Defined Size:
60
Resizable
Cancel
OK

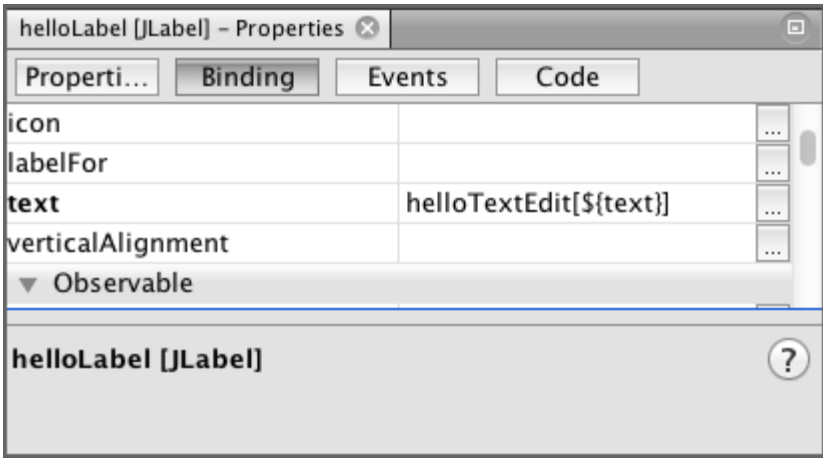

helloButton [JButton] – Properties
Properti...
Binding
Events
Code
Properties
action
background
[238,238,238]
font
Lucida Grande 13 Plain
foreground
[0,0,0]
icon
mnemonic
text
Say Hello
text
(java.lang.String) The button's text.

foreground
[0,0,0]

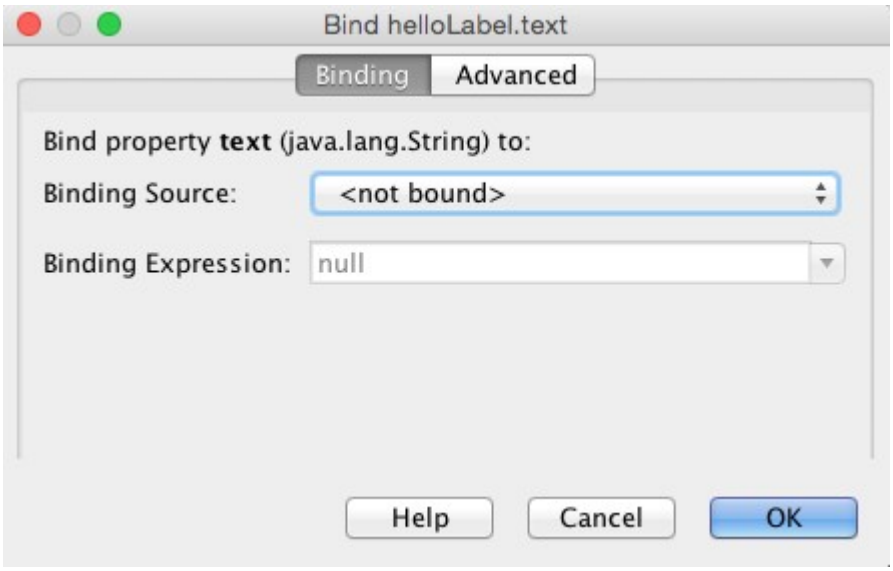

helloButton [JButton] - foreground
Set helloButton's foreground property using:
Color chooser
Swatches
HSV
HSL
RGB
CMYK
AWT Palette
Swing Palette
System Palette
Recent:
Preview
Sample Text Sample Text
Sample Text Sample Text
Help
Reset to Default
Cancel
OK

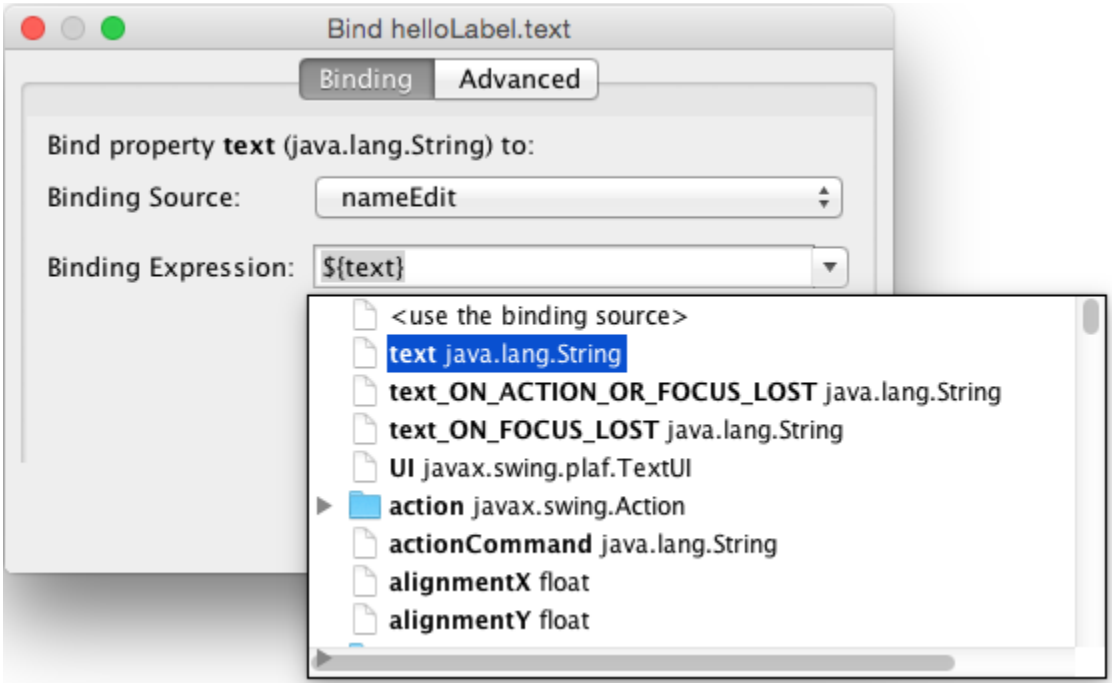

helloButton [JButton] - foreground
Set helloButton's foreground property using:
Value from existing component
Get Value From:
Component:
Property:
<No Property Selected>
...
Method Call:
<No Method Selected>
...
Help
Reset to Default
Cancel
OK

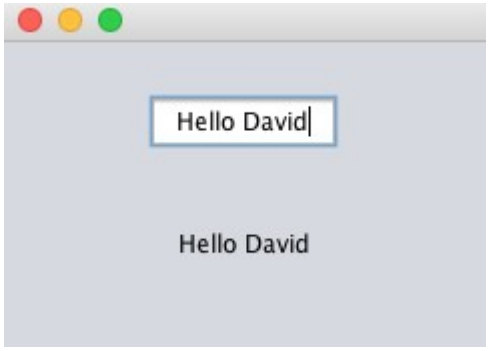

helloButton [JButton] - foreground
Set helloButton's foreground property using:
Custom code
helloButton.setForeground(
);
java.awt.Color
Help
Reset to Default
Cancel
OK

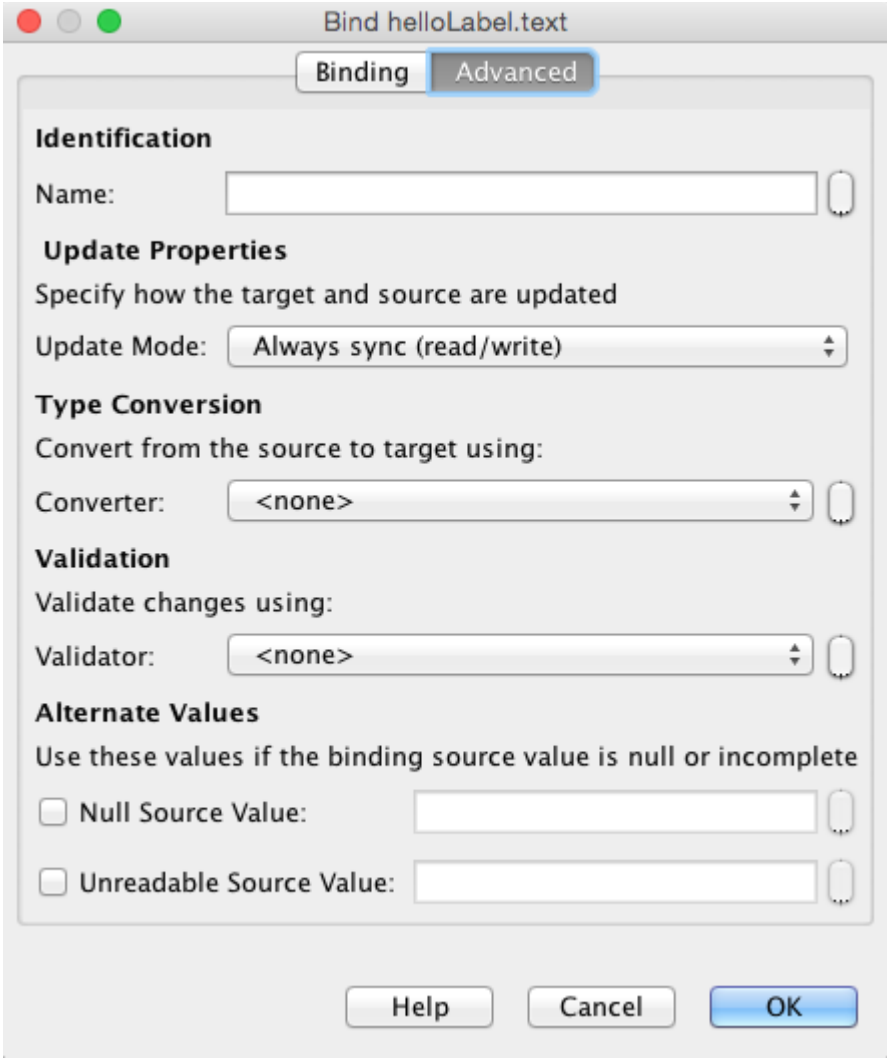

helloLabel [JLabel] – Properties
Properti...
Binding
Events
Code
icon
labelFor
text
helloTextEdit[${text}]
verticalAlignment
Observable
helloLabel [JLabel]

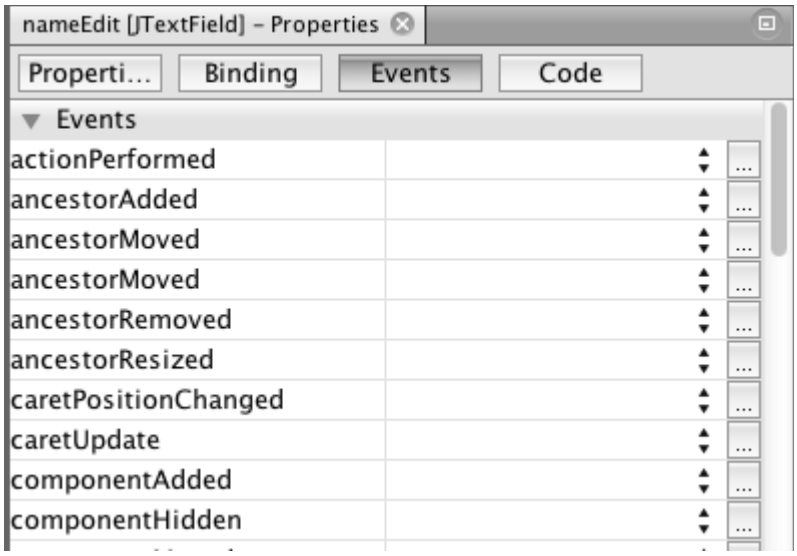
nameEdit
helloLabel


Bind helloLabel.text
Binding
Advanced
Bind property text (java.lang.String) to:
Binding Source:
<not bound>
Binding Expression:
null
Help
Cancel
OK

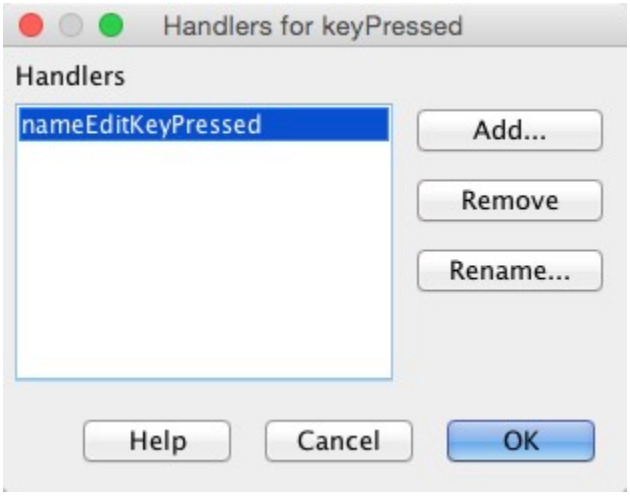

Bind helloLabel.text
Binding
Advanced
Bind property text (java.lang.String) to:
Binding Source:
nameEdit
Binding Expression:
${text}
<use the binding source>
text java.lang.String
text_ON_ACTION_OR_FOCUS_LOST java.lang.String
text_ON_FOCUS_LOST java.lang.String
UI javax.swing.plaf.TextUI
action javax.swing.Action
actionCommand java.lang.String
alignmentX float
alignmentY float

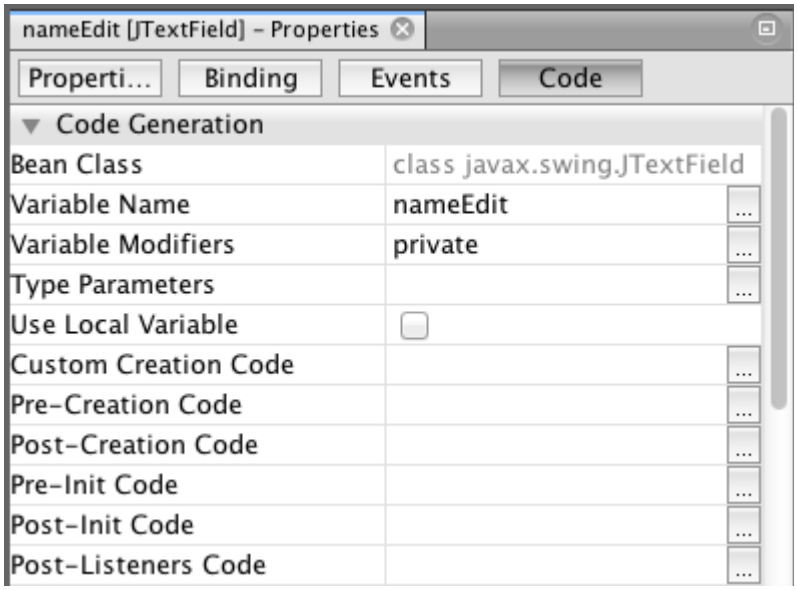

Hello David
Hello David


Bind helloLabel.text
Binding
Advanced
Identification
Name:
Update Properties
Specify how the target and source are updated
Update Mode:
Always sync (read/write)
Type Conversion
Convert from the source to target using:
Converter:
<none>
Validation
Validate changes using:
Validator:
<none>
Alternate Values
Use these values if the binding source value is null or incomplete
Null Source Value:
Unreadable Source Value:
Help
Cancel
OK


nameEdit [JTextField] – Properties
Properti...
Binding
Events
Code
Events
actionPerformed
ancestorAdded
ancestorMoved
ancestorMoved
ancestorRemoved
ancestorResized
caretPositionChanged
caretUpdate
componentAdded
componentHidden

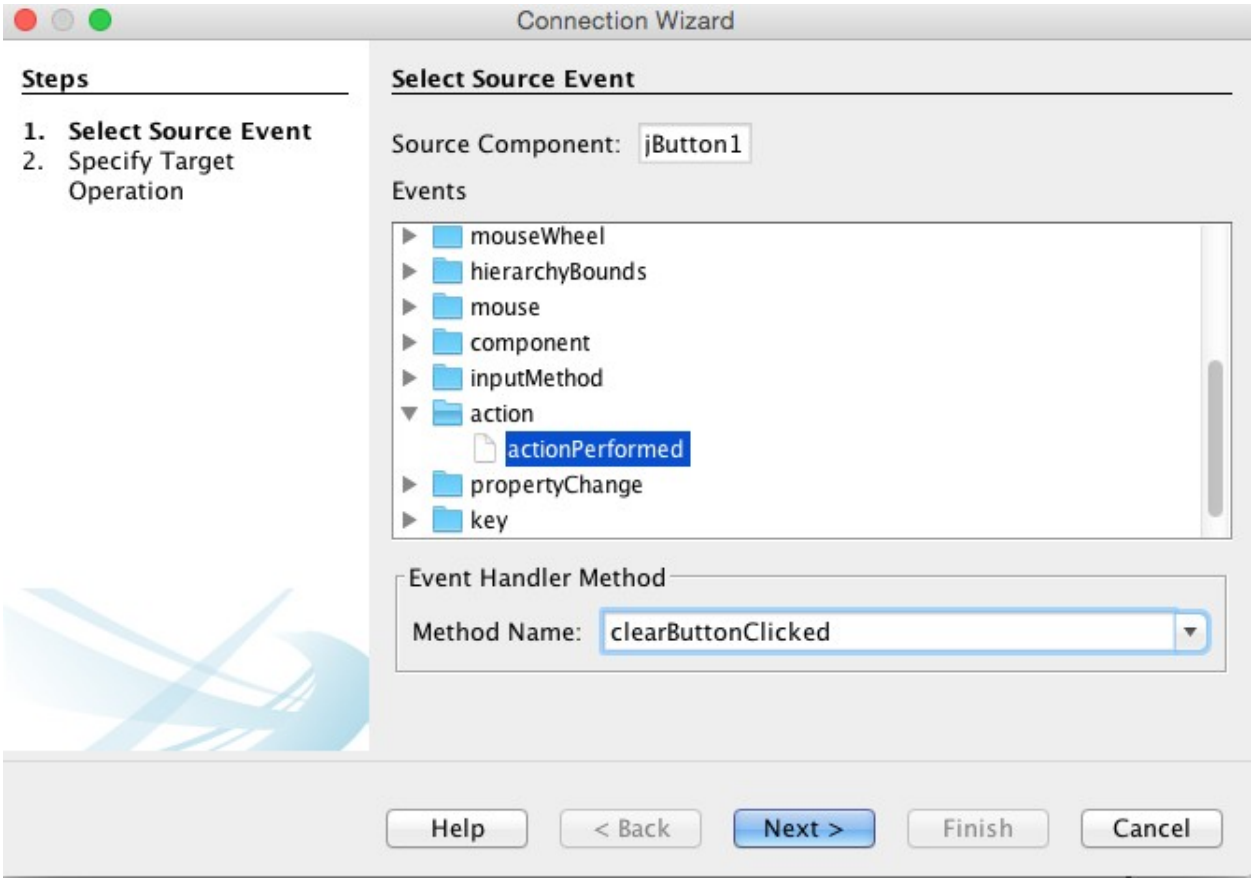
```
private void nameEditKeyPressed(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
}
```

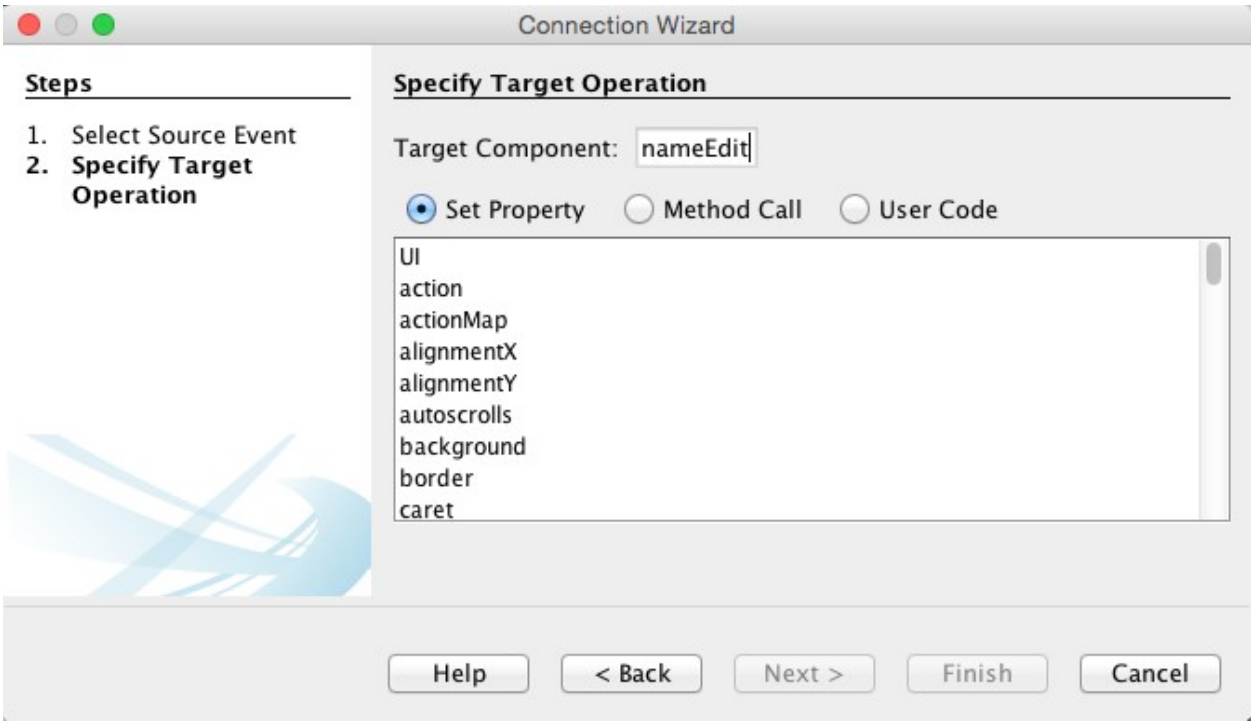


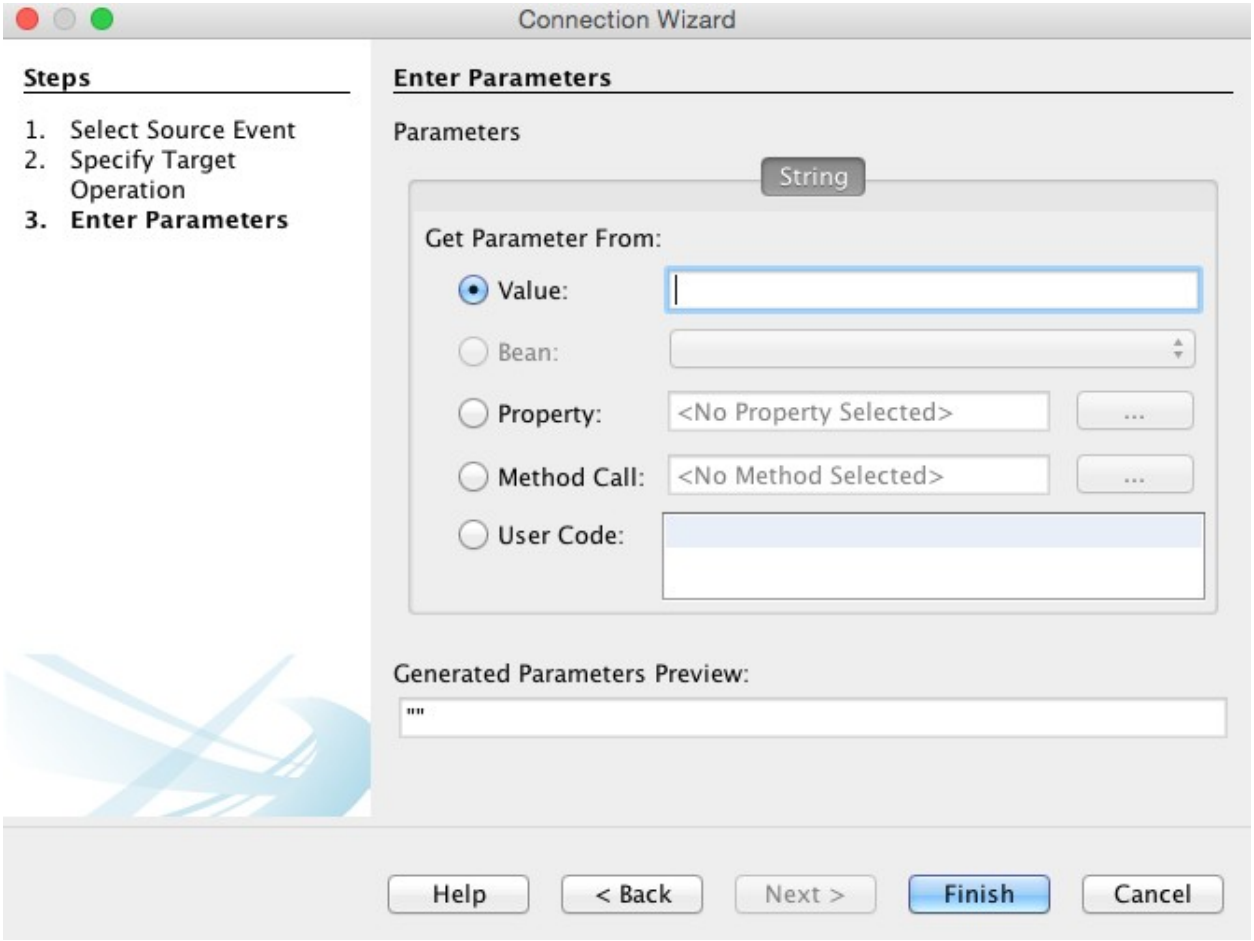


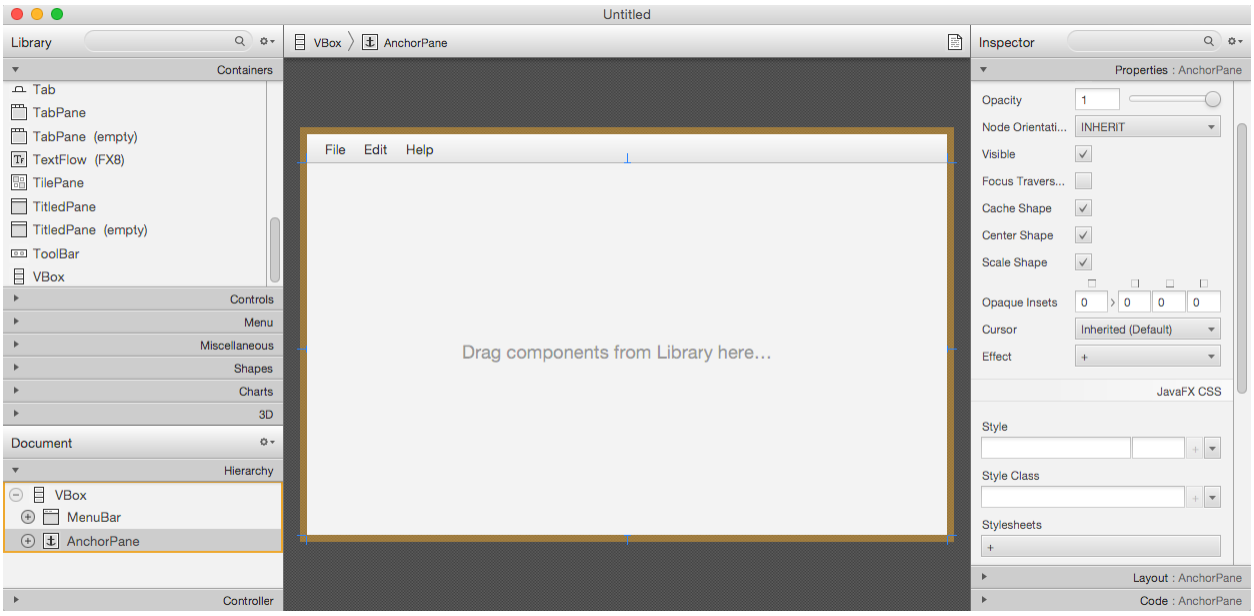
Select the component that will generate the event.

Select the component that will receive the event.

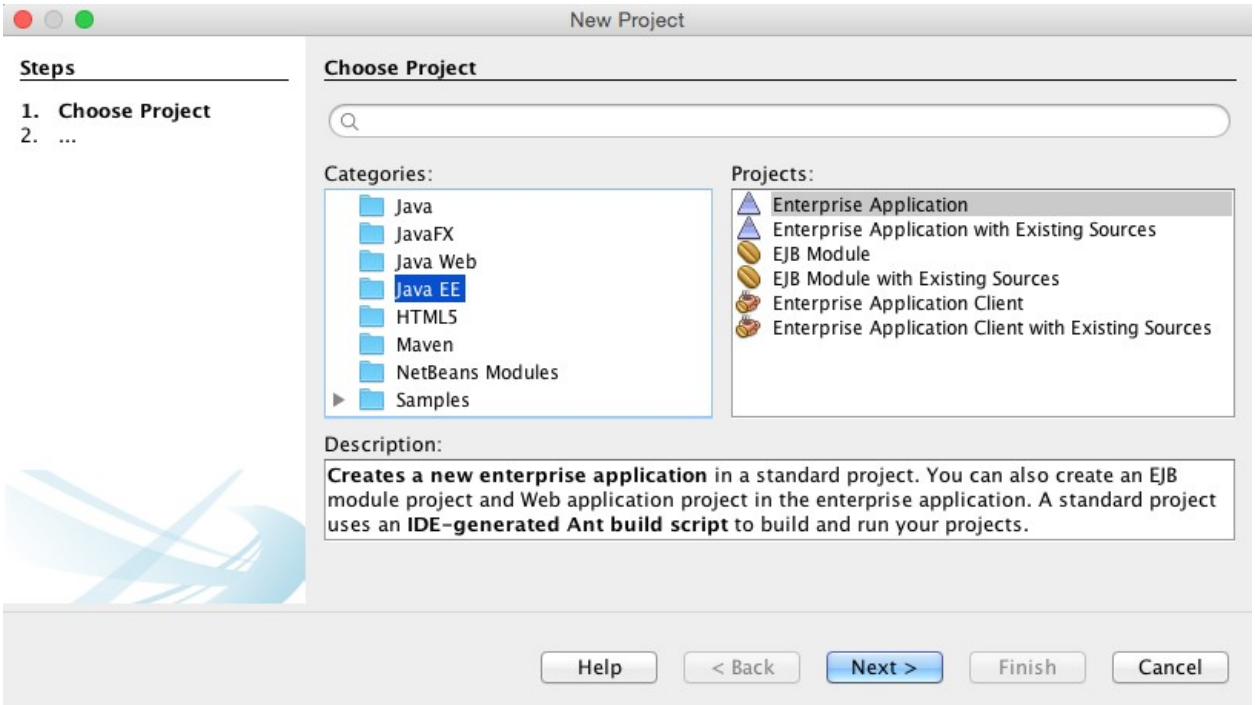


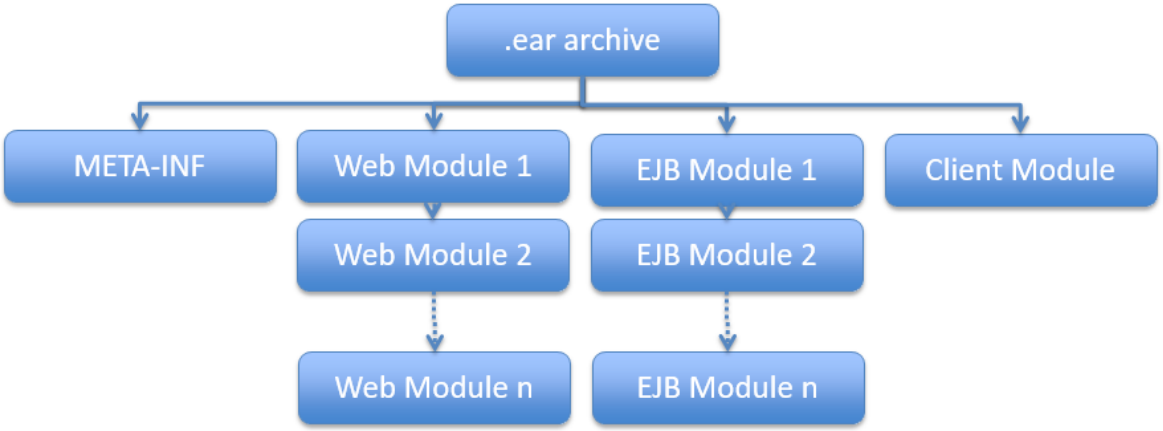

Connection Wizard
Steps
1. Select Source Event
2. Specify Target Operation
Specify Target Operation
Target Component: nameEdit
Set Property
Method Call
User Code
UI
action
actionMap
alignmentX
alignmentY
autoscrolls
background
border
caret
Help
< Back
Next >
Finish
Cancel

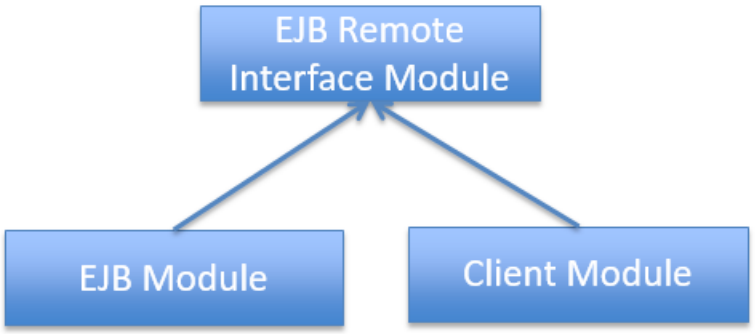

Connection Wizard
Steps
1. Select Source Event
2. Specify Target Operation
3. Enter Parameters
Enter Parameters
Parameters
String
Get Parameter From:
Value:
Bean:
Property:
<No Property Selected>
...
Method Call:
<No Method Selected>
...
User Code:
Generated Parameters Preview:
""
Help
< Back
Next >
Finish
Cancel

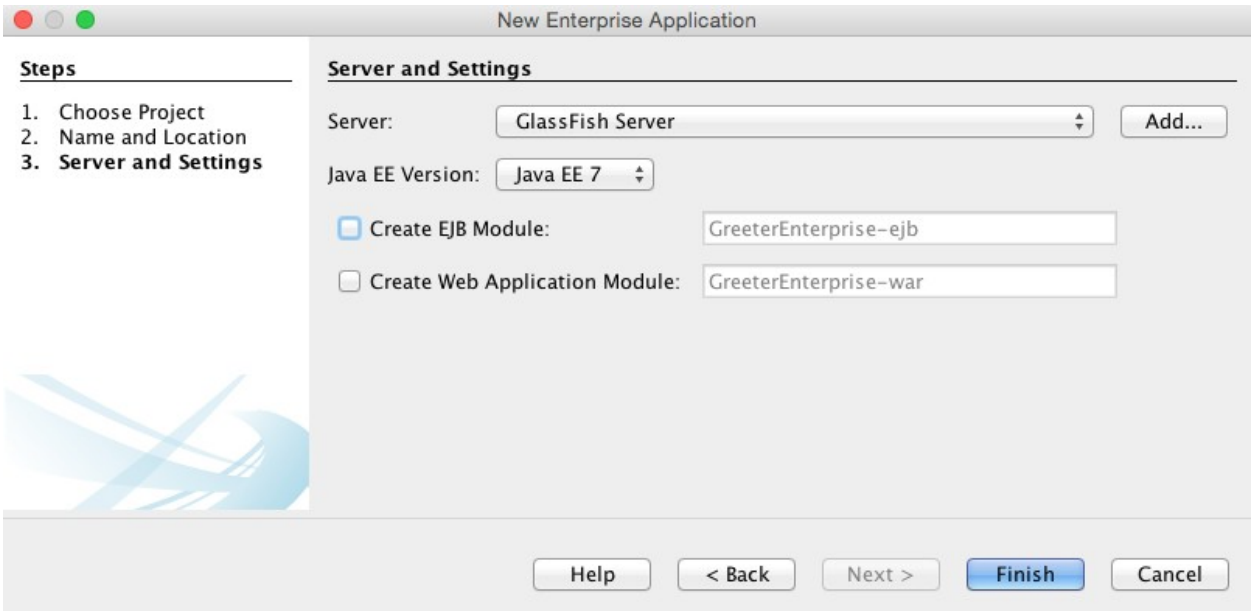


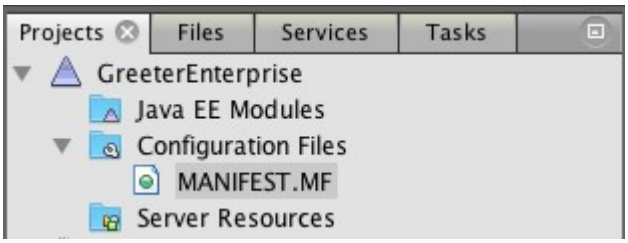
Chapter 7: Creating the Business Layer

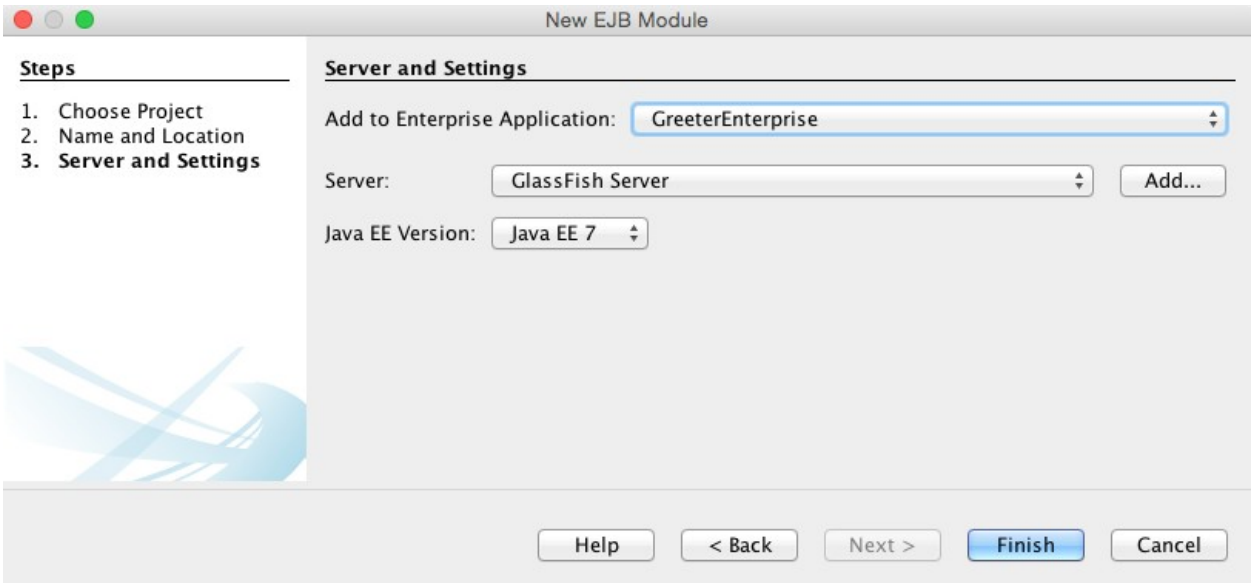


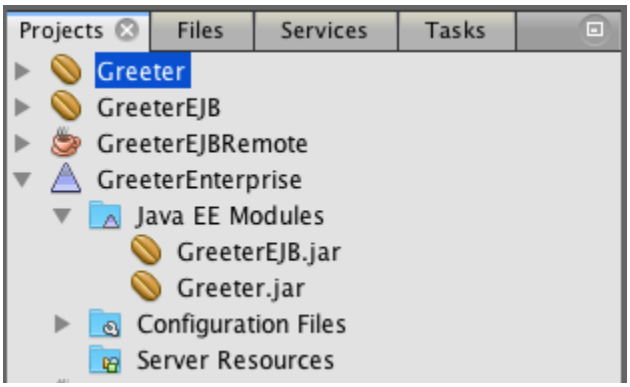

.ear archive
META-INF
Web Module 1
Web Module 2
Web Module n
EJB Module 1
EJB Module 2
EJB Module n
Client Module

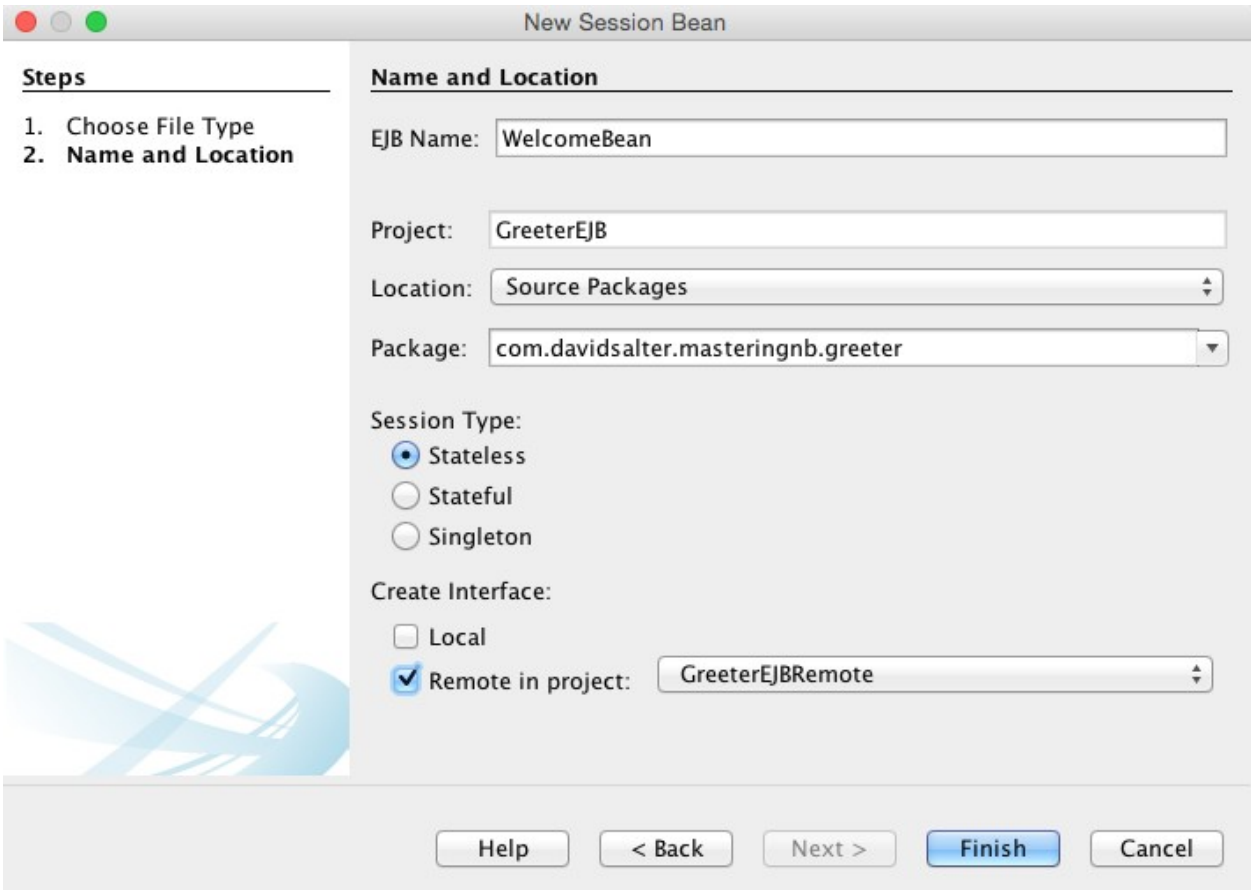

EJB Remote Interface Module
EJB Module
Client Module


New Enterprise Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
Server and Settings
Server:
GlassFish Server
Add...
Java EE Version:
Java EE 7
Create EJB Module:
GreeterEnterprise-ejb
Create Web Application Module:
GreeterEnterprise-war
Help
< Back
Next >
Finish
Cancel

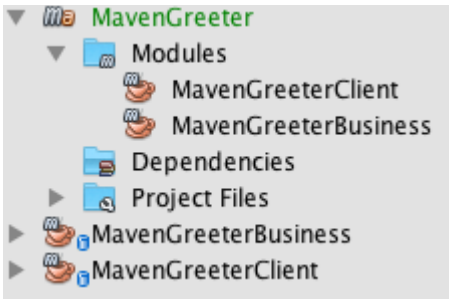

Projects
Files
Services
Tasks
GreeterEnterprise
Java EE Modules
Configuration Files
MANIFEST.MF
Server Resources

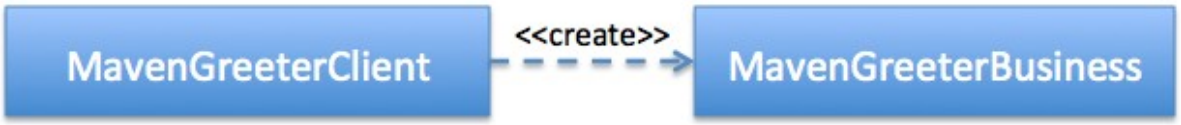

New EJB Module
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
Server and Settings
Add to Enterprise Application:
GreeterEnterprise
Server:
GlassFish Server
Add...
Java EE Version:
Java EE 7
Help
< Back
Next >
Finish
Cancel

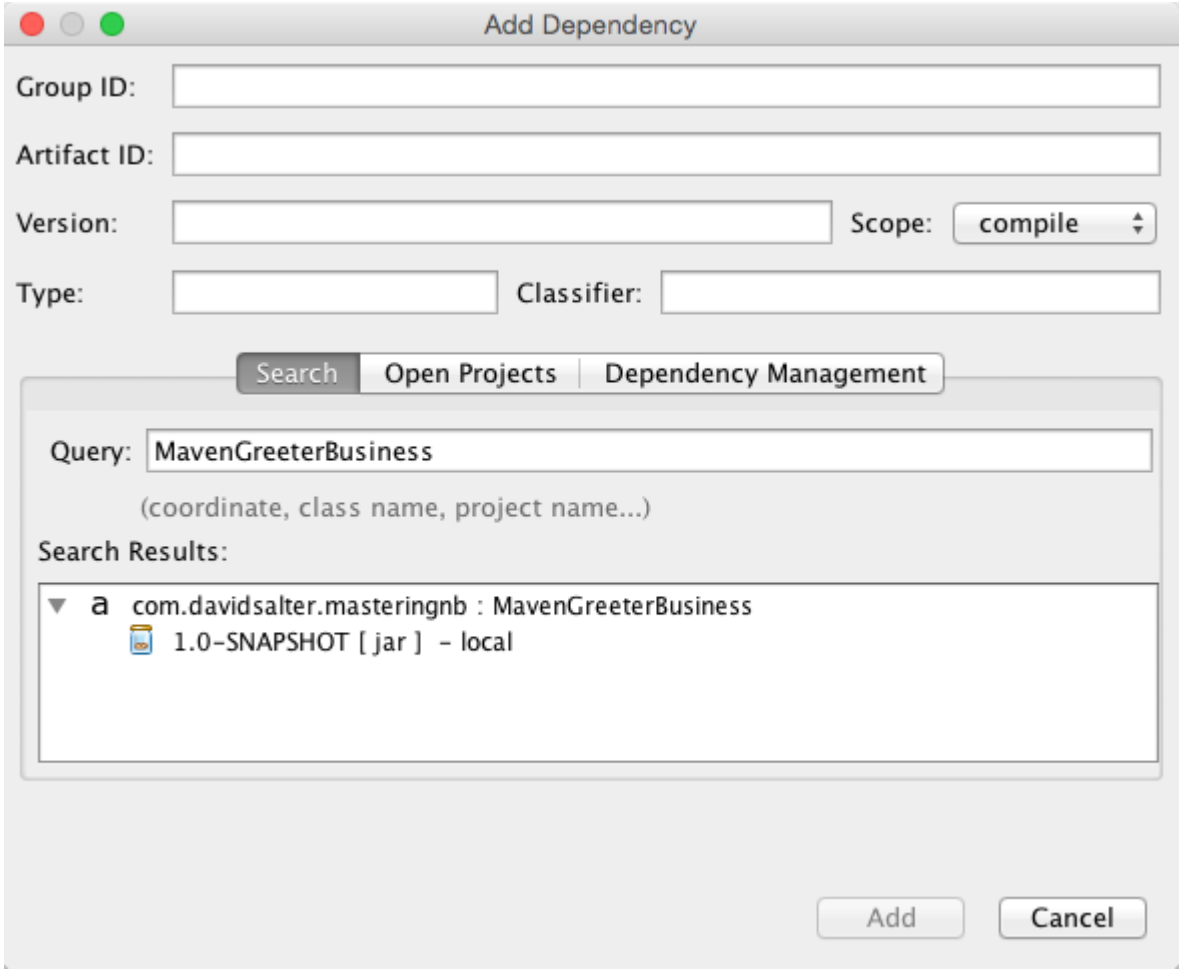

Projects
Files
Services
Tasks
Greeter
GreeterEJB
GreeterEJBRemote
GreeterEnterprise
Java EE Modules
GreeterEJB.jar
Greeter.jar
Configuration Files
Server Resources

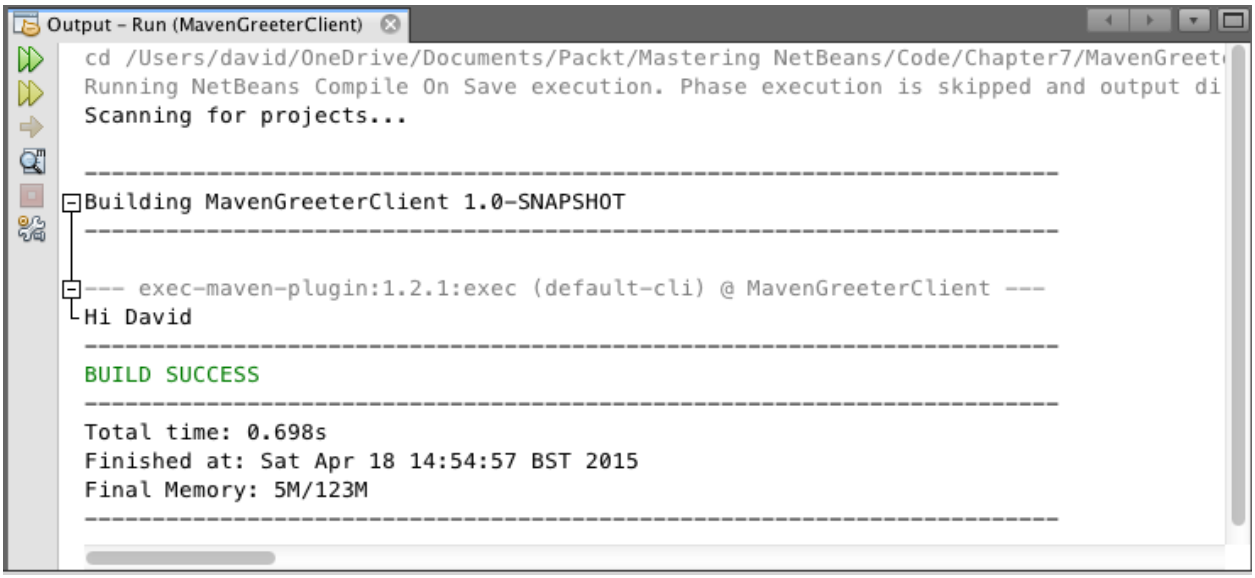

New Session Bean
Steps
1. Choose File Type
2. Name and Location
Name and Location
EJB Name: WelcomeBean
Project: GreeterEJB
Location: Source Packages
Package: com.davidsalter.masteringnb.greeter
Session Type:
Stateless
Stateful
Singleton
Create Interface:
Local
Remote in project: GreeterEJBRemote
Help
< Back
Next >
Finish
Cancel

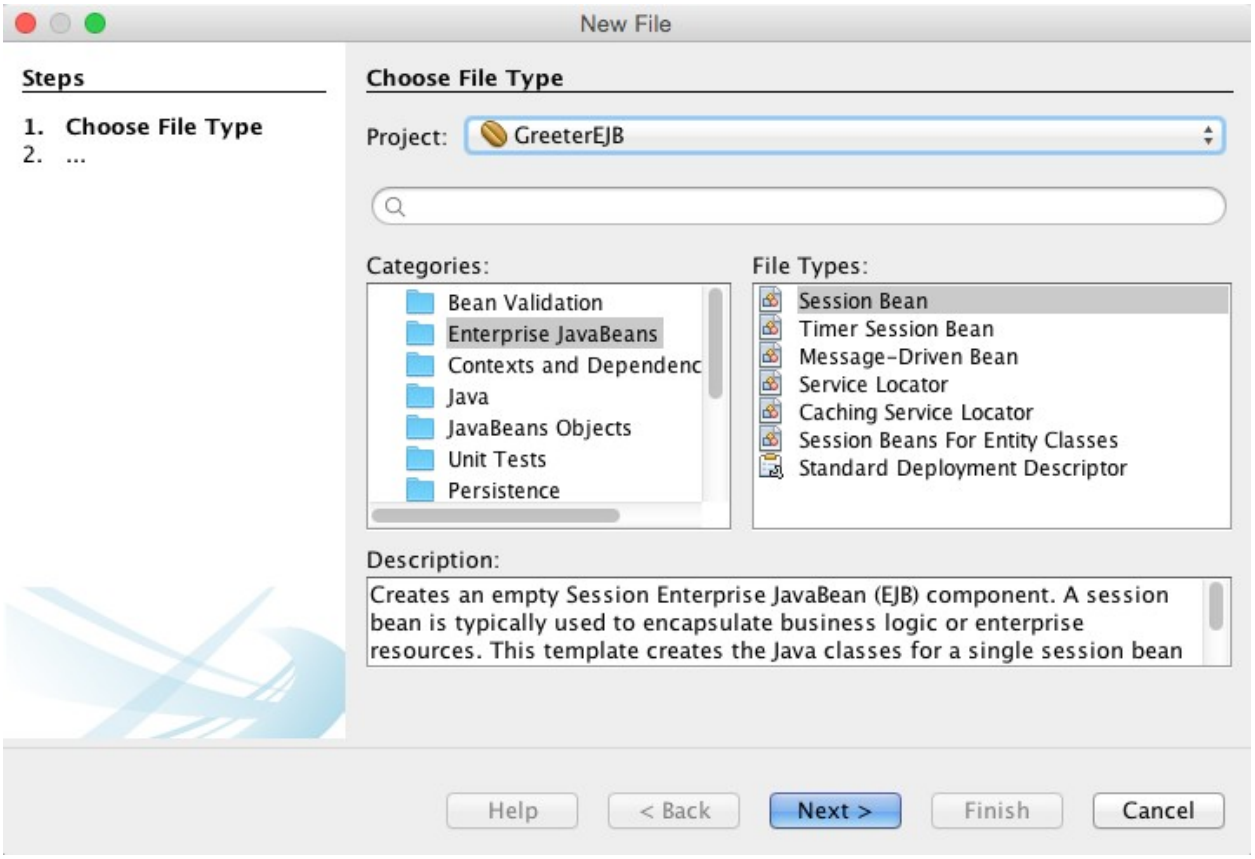
MavenGreeter
Modules
Dependencies
Project Files
pom.xml

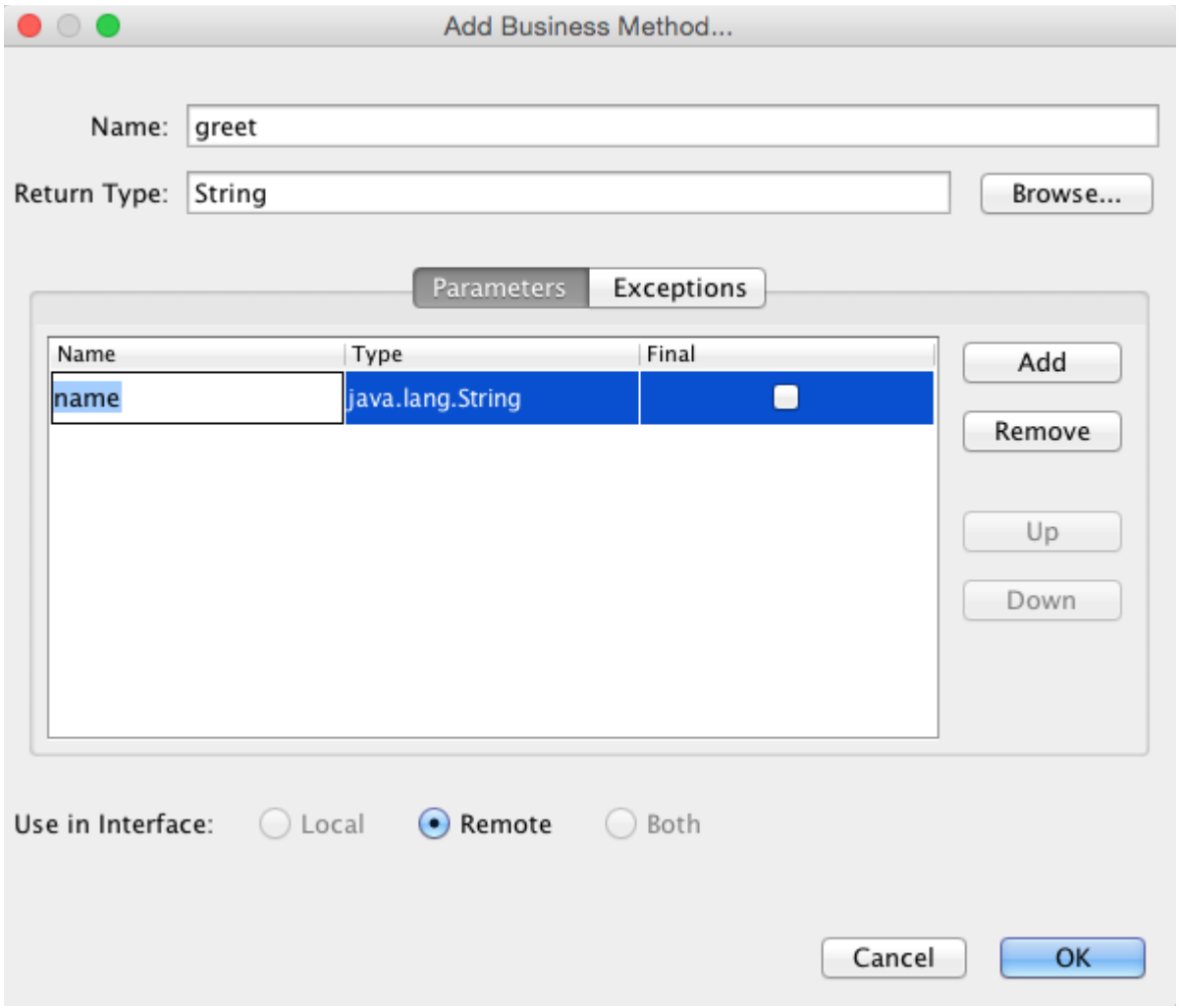

MavenGreeter
Modules
MavenGreeterClient
MavenGreeterBusiness
Dependencies
Project Files
MavenGreeterBusiness
MavenGreeterClient

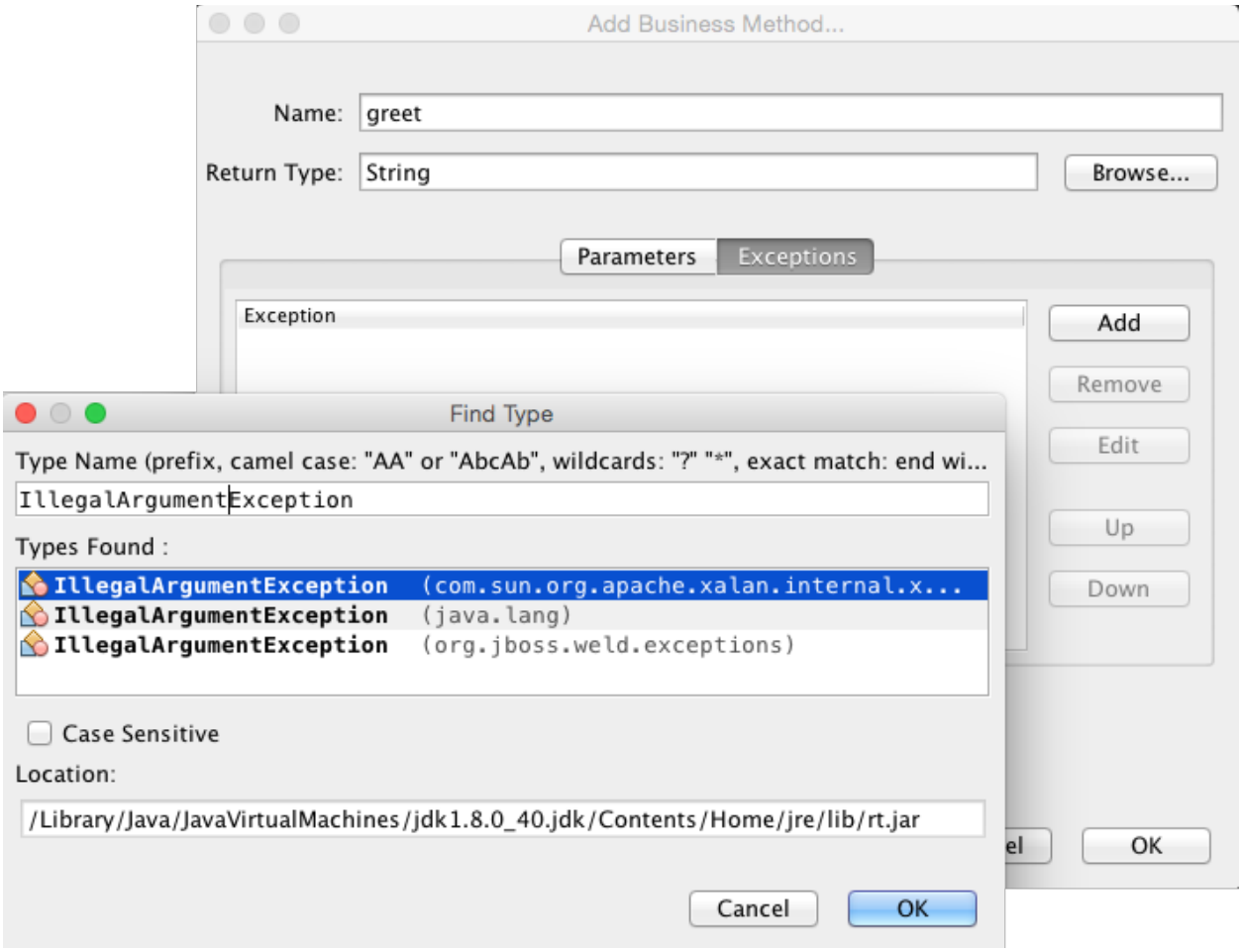

MavenGreeterClient
<<create>>
MavenGreeterBusiness

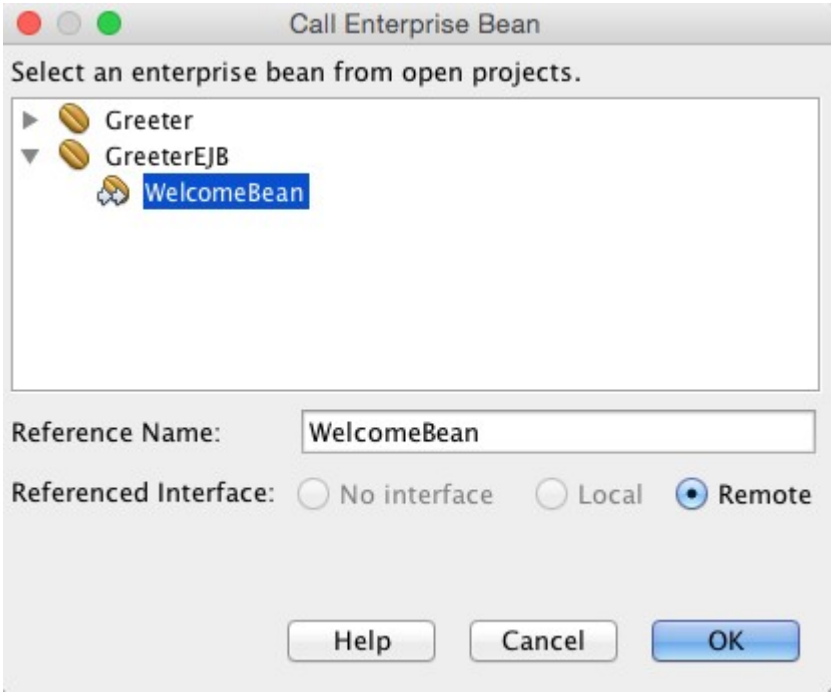

Add Dependency
Group ID:
Artifact ID:
Version:
Scope:
compile
Type:
Classifier:
Search
Open Projects
Dependency Management
Query:
MavenGreeterBusiness
(coordinate, class name, project name...)
Search Results:
com.davidsalter.masteringnb : MavenGreeterBusiness
1.0-SNAPSHOT [jar] - local
Add
Cancel

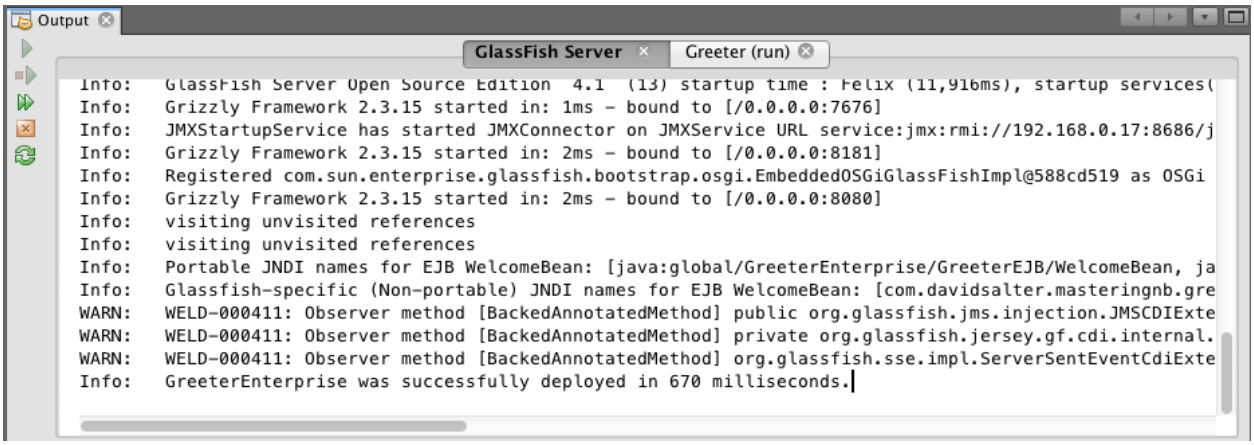

Output - Run (MavenGreeterClient)
cd /Users/david/OneDrive/Documents/Packt/Mastering NetBeans/Code/Chapter7/MavenGreet
Running NetBeans Compile On Save execution. Phase execution is skipped and output di
Scanning for projects...
Building MavenGreeterClient 1.0-SNAPSHOT
--- exec-maven-plugin:1.2.1:exec (default-cli) @ MavenGreeterClient ---
Hi David
BUILD SUCCESS
Total time: 0.698s
Finished at: Sat Apr 18 14:54:57 BST 2015
Final Memory: 5M/123M

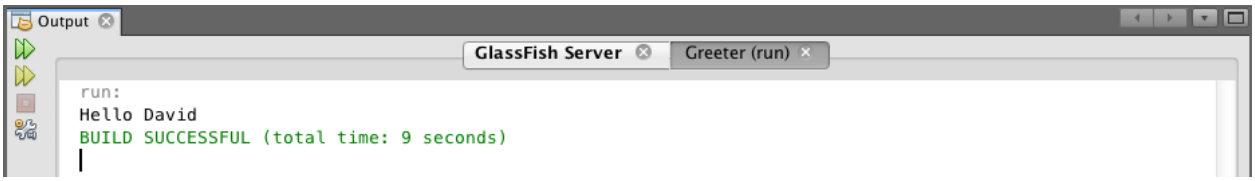

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project: GreeterEJB
Categories:
Bean Validation
Enterprise JavaBeans
Contexts and Dependenc
Java
JavaBeans Objects
Unit Tests
Persistence
File Types:
Session Bean
Timer Session Bean
Message-Driven Bean
Service Locator
Caching Service Locator
Session Beans For Entity Classes
Standard Deployment Descriptor
Description:
Creates an empty Session Enterprise JavaBean (EJB) component. A session bean is typically used to encapsulate business logic or enterprise resources. This template creates the Java classes for a single session bean
Help
< Back
Next >
Finish
Cancel

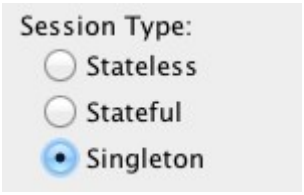

Add Business Method...
Name:
greet
Return Type:
String
Browse...
Parameters
Exceptions
Name
Type
Final
name
java.lang.String
Add
Remove
Up
Down
Use in Interface:
Local
Remote
Both
Cancel
OK

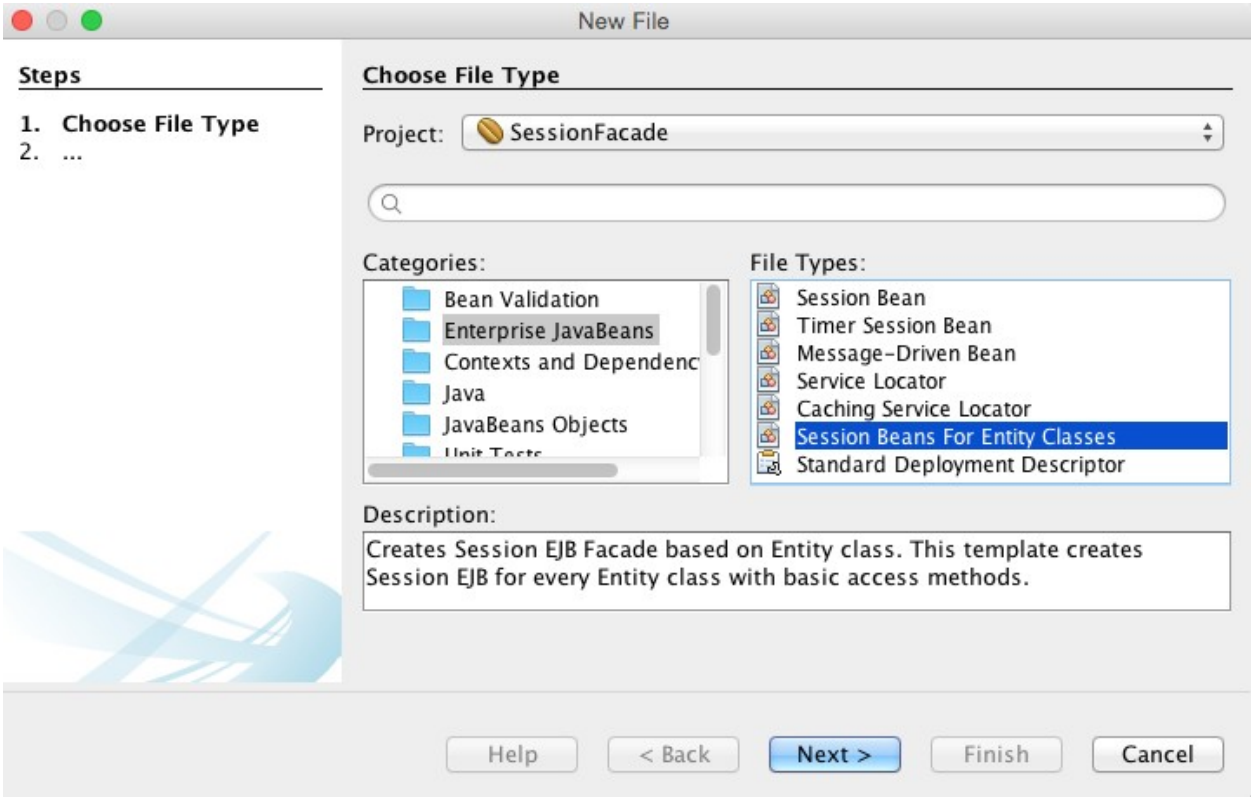

Add Business Method...
Name:
greet
Return Type:
String
Browse...
Parameters
Exceptions
Exception
Add
Remove
Edit
Up
Down
OK
Find Type
Type Name (prefix, camel case: "AA" or "AbcAb", wildcards: "?" "*", exact match: end wi...
IllegalArgumentException
Types Found :
IllegalArgumentException (com.sun.org.apache.xalan.internal.x...
IllegalArgumentException (java.lang)
IllegalArgumentException (org.jboss.weld.exceptions)
Case Sensitive
Location:
/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/rt.jar
Cancel
OK

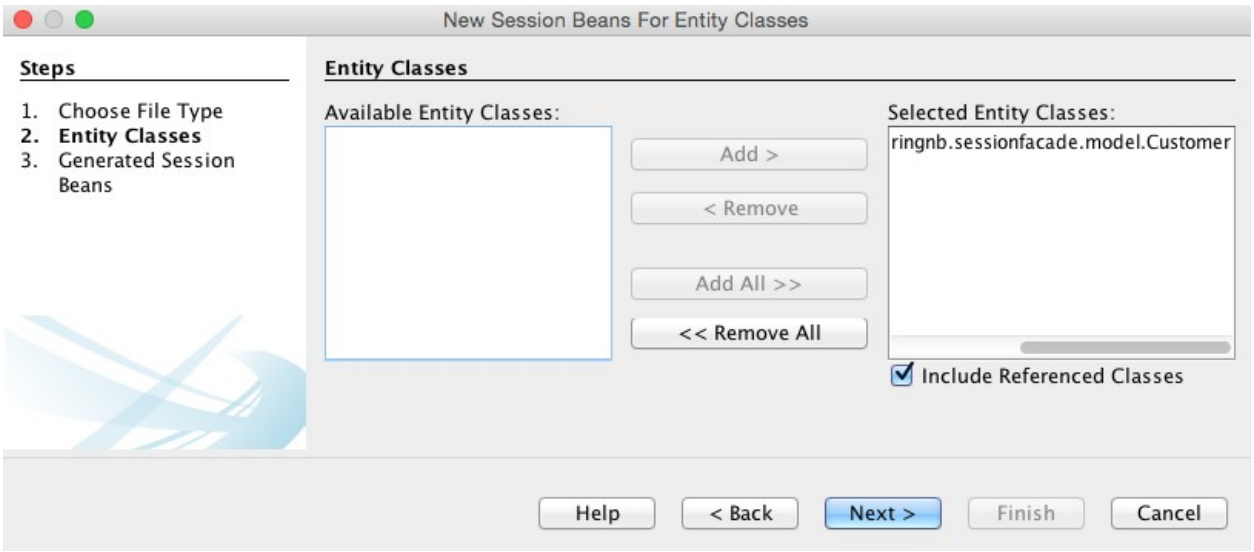

Call Enterprise Bean
Select an enterprise bean from open projects.
Greeter
GreeterEJB
WelcomeBean
Reference Name:
WelcomeBean
Referenced Interface:
No interface
Local
Remote
Help
Cancel
OK

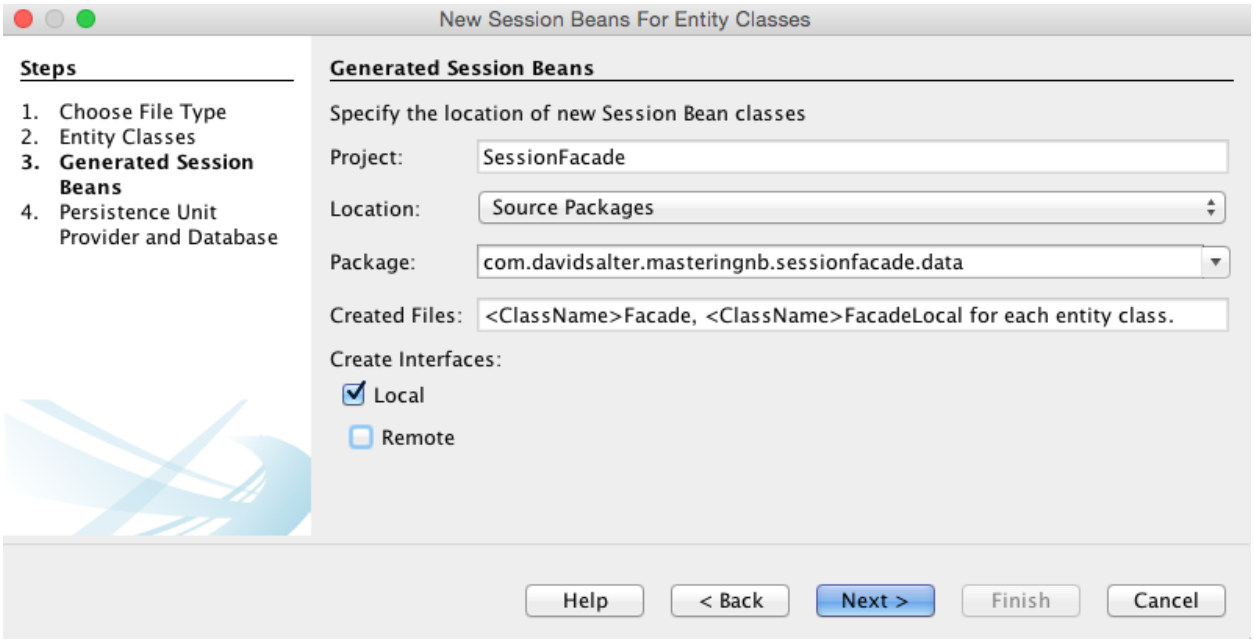

Output
GlassFish Server
Greeter (run)
Info: GlassFish Server Open Source Edition 4.1 (13) startup time : Felix (11,916ms), startup services(
Info: Grizzly Framework 2.3.15 started in: 1ms - bound to [/0.0.0.0:7676]
Info: JMXStartupService has started JMXConnector on JMXService URL service:jmx:rmi://192.168.0.17:8686/j
Info: Grizzly Framework 2.3.15 started in: 2ms - bound to [/0.0.0.0:8181]
Info: Registered com.sun.enterprise.glassfish.bootstrap.osgi.EmbeddedOSGiGlassFishImpl@588cd519 as OSGi
Info: Grizzly Framework 2.3.15 started in: 2ms - bound to [/0.0.0.0:8080]
Info: visiting unvisited references
Info: visiting unvisited references
Info: Portable JNDI names for EJB WelcomeBean: [java:global/GreeterEnterprise/GreeterEJB/WelcomeBean, ja
Info: Glassfish-specific (Non-portable) JNDI names for EJB WelcomeBean: [com.davidsalter.masteringnb.gre
WARN: WELD-000411: Observer method [BackedAnnotatedMethod] public org.glassfish.jms.injection.JMSCDIExte
WARN: WELD-000411: Observer method [BackedAnnotatedMethod] private org.glassfish.jersey.gf.cdi.internal.
WARN: WELD-000411: Observer method [BackedAnnotatedMethod] org.glassfish.sse.impl.ServerSentEventCdiExte
Info: GreeterEnterprise was successfully deployed in 670 milliseconds.

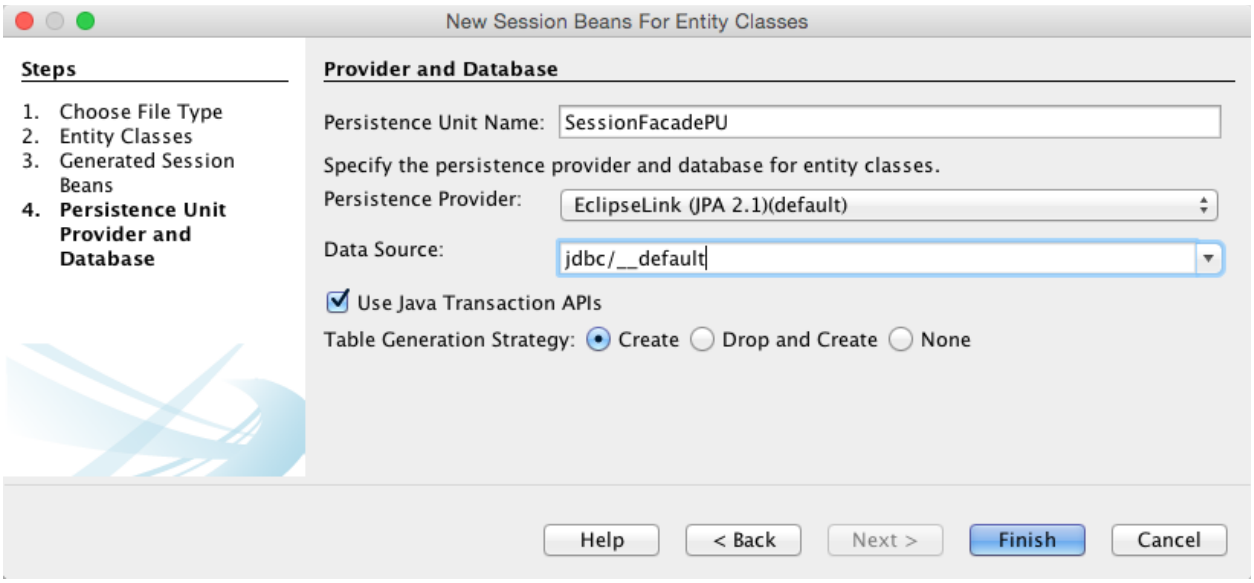

Output
GlassFish Server
Greeter (run)
run:
Hello David
BUILD SUCCESSFUL (total time: 9 seconds)

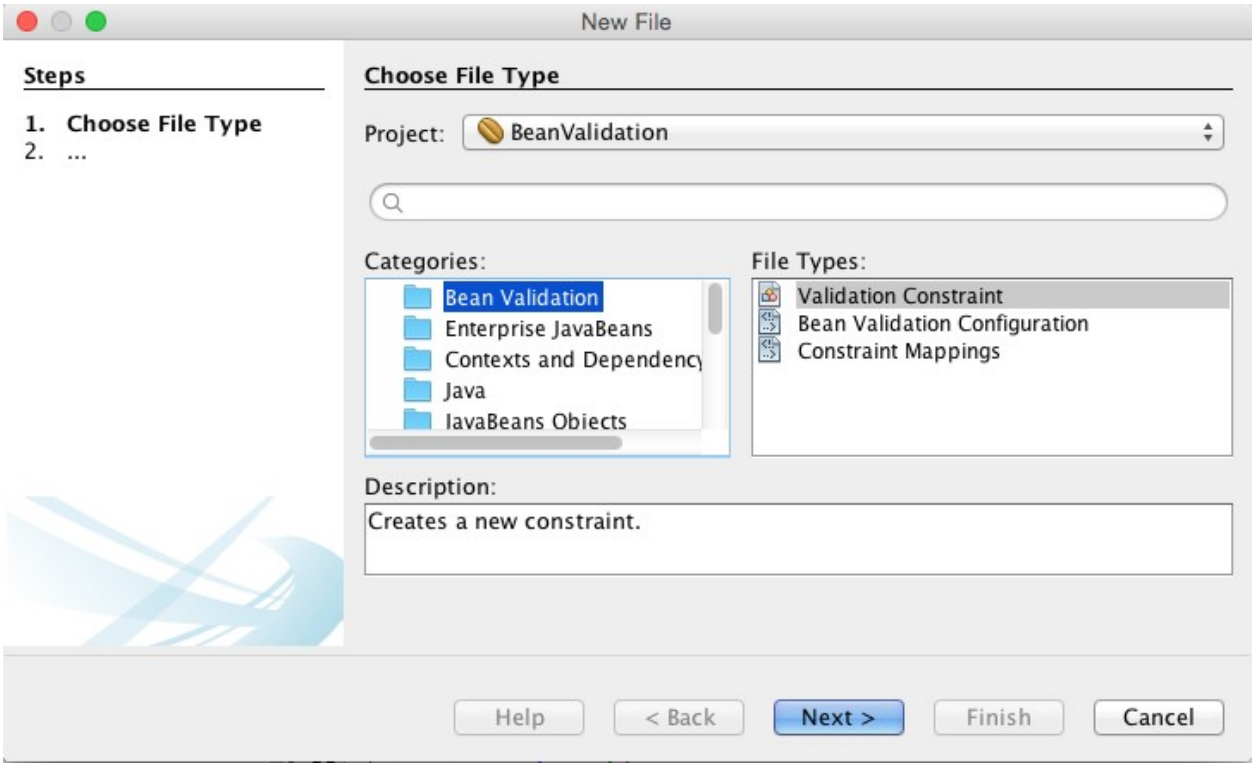

Session Type:
Stateless
Stateful
Singleton

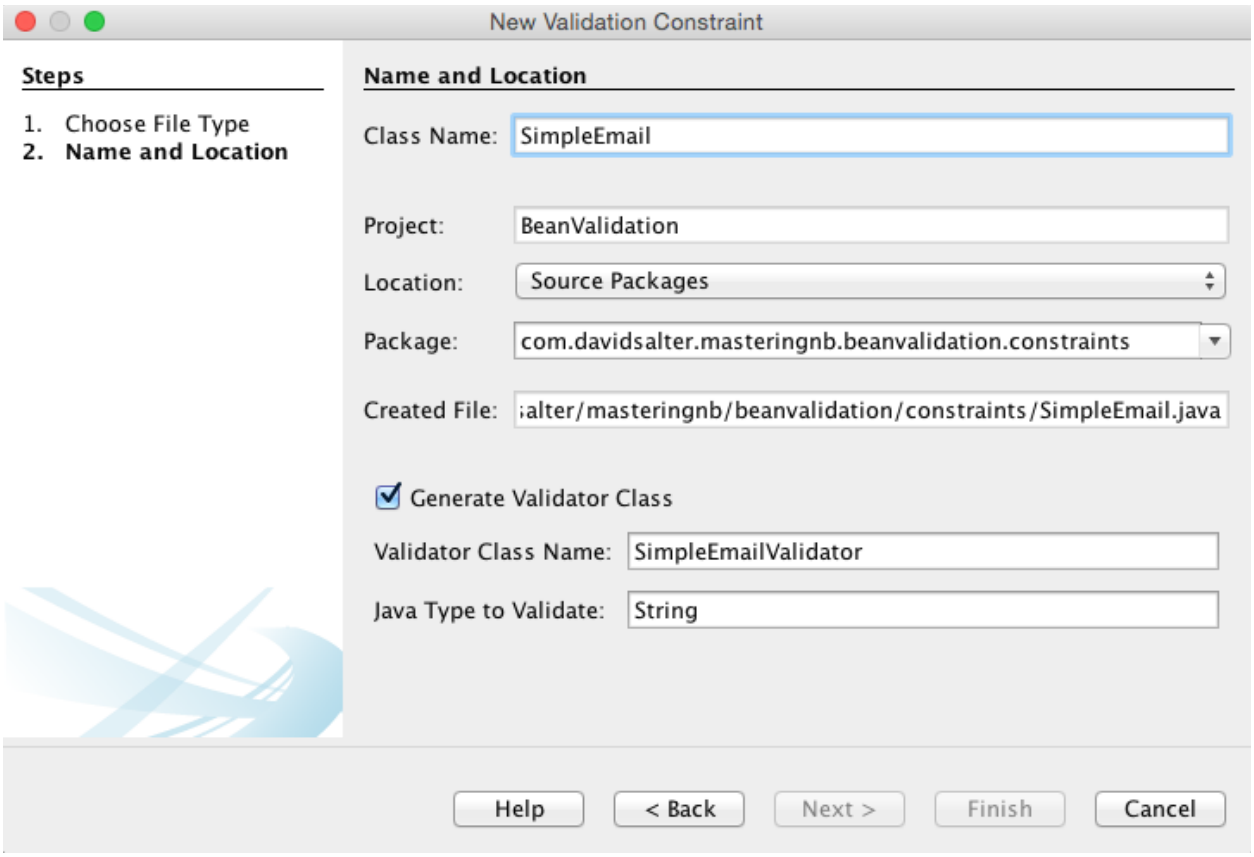

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
SessionFacade
Categories:
Bean Validation
Enterprise JavaBeans
Contexts and Dependenc
Java
JavaBeans Objects
File Types:
Session Bean
Timer Session Bean
Message-Driven Bean
Service Locator
Caching Service Locator
Session Beans For Entity Classes
Standard Deployment Descriptor
Description:
Creates Session EJB Facade based on Entity class. This template creates Session EJB for every Entity class with basic access methods.
Help
< Back
Next >
Finish
Cancel

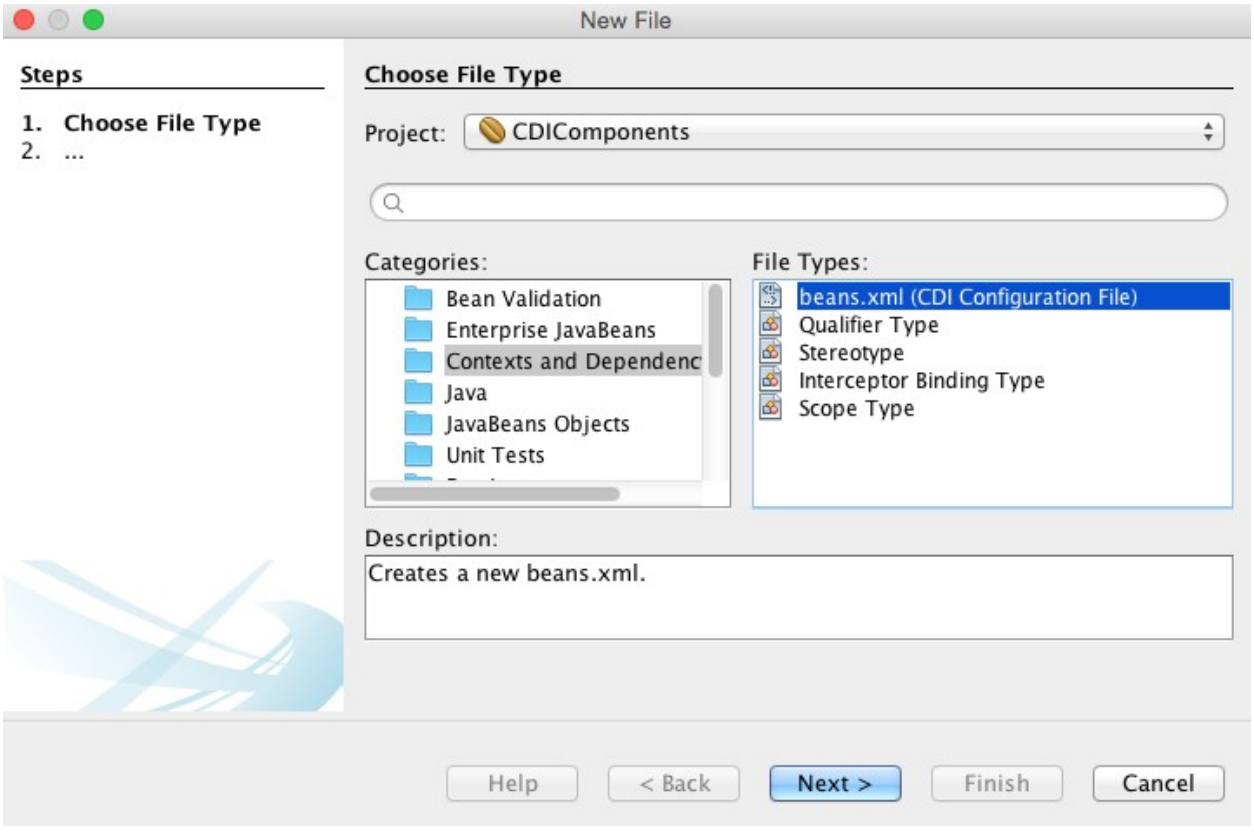

New Session Beans For Entity Classes
Steps
1. Choose File Type
2. Entity Classes
3. Generated Session Beans
Entity Classes
Available Entity Classes:
Add >
< Remove
Add All >>
<< Remove All
Selected Entity Classes:
ringnb.sessionfacade.model.Customer
Include Referenced Classes
Help
< Back
Next >
Finish
Cancel


New Session Beans For Entity Classes
Steps
1. Choose File Type
2. Entity Classes
3. Generated Session Beans
4. Persistence Unit Provider and Database
Generated Session Beans
Specify the location of new Session Bean classes
Project:
SessionFacade
Location:
Source Packages
Package:
com.davidsalter.masteringnb.sessionfacade.data
Created Files:
<ClassName>Facade, <ClassName>FacadeLocal for each entity class.
Create Interfaces:
Local
Remote
Help
< Back
Next >
Finish
Cancel


New Session Beans For Entity Classes
Steps
1. Choose File Type
2. Entity Classes
3. Generated Session Beans
4. Persistence Unit Provider and Database
Provider and Database
Persistence Unit Name: SessionFacadePU
Specify the persistence provider and database for entity classes.
Persistence Provider: EclipseLink (JPA 2.1)(default)
Data Source: jdbc/__default
Use Java Transaction APIs
Table Generation Strategy: Create Drop and Create None
Help
< Back
Next >
Finish
Cancel

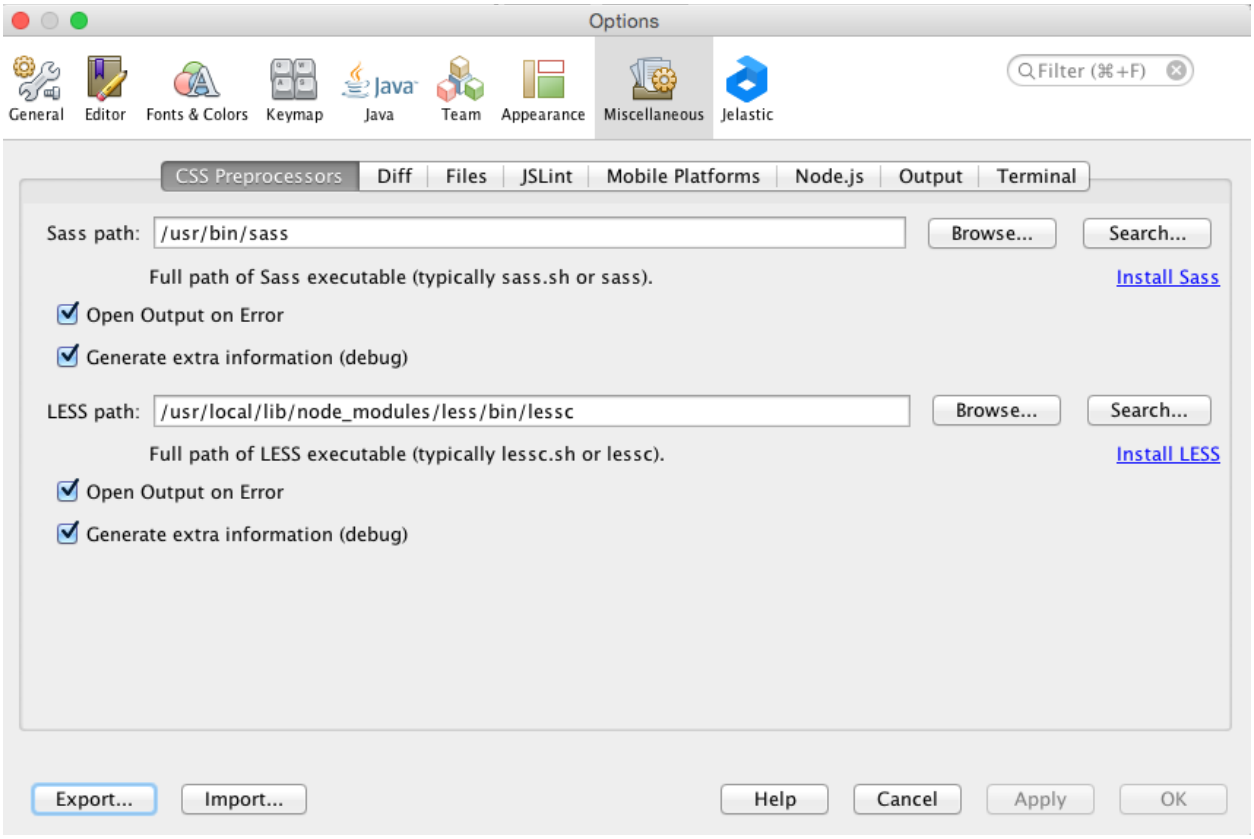

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project: BeanValidation
Categories:
Bean Validation
Enterprise JavaBeans
Contexts and Dependency
Java
JavaBeans Objects
File Types:
Validation Constraint
Bean Validation Configuration
Constraint Mappings
Description:
Creates a new constraint.
Help
< Back
Next >
Finish
Cancel

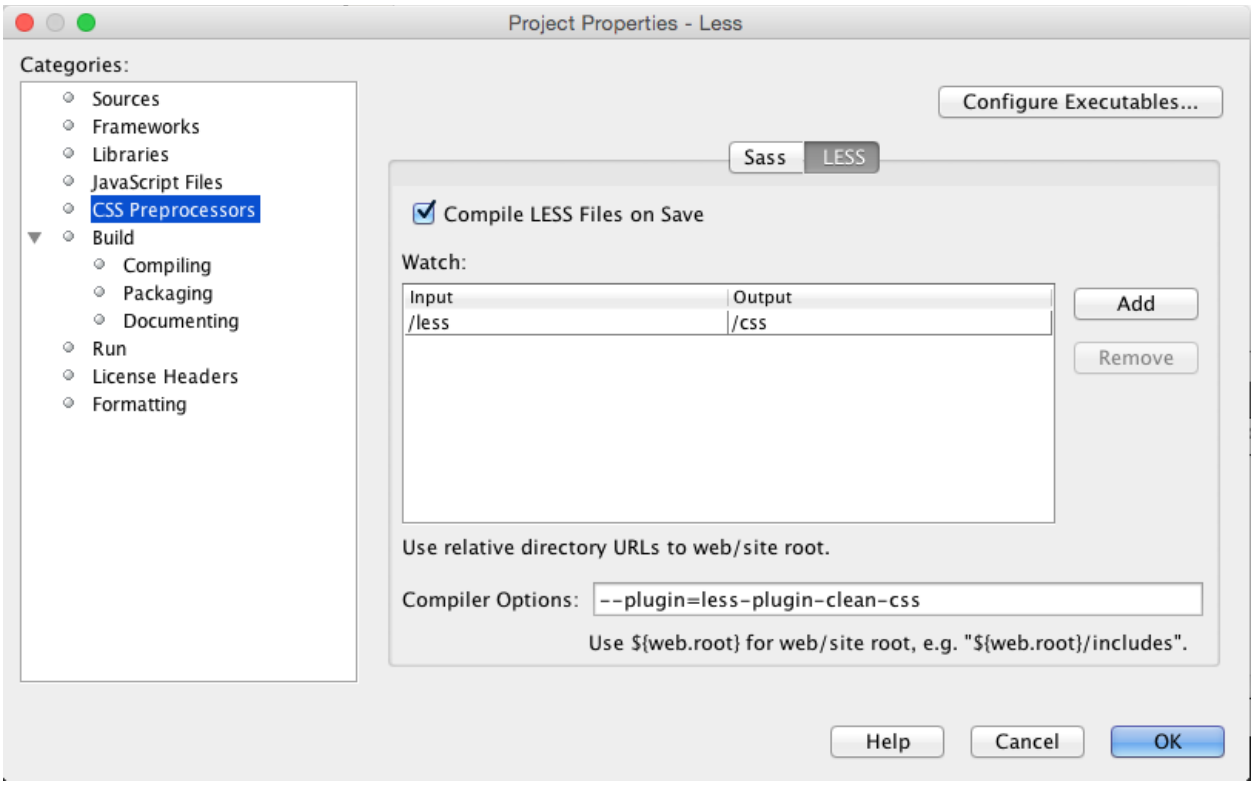

New Validation Constraint
Steps
1. Choose File Type
2. Name and Location
Name and Location
Class Name: SimpleEmail
Project: BeanValidation
Location: Source Packages
Package: com.davidsalter.masteringnb.beanvalidation.constraints
Created File: ;alter/masteringnb/beanvalidation/constraints/SimpleEmail.java
Generate Validator Class
Validator Class Name: SimpleEmailValidator
Java Type to Validate: String
Help
< Back
Next >
Finish
Cancel

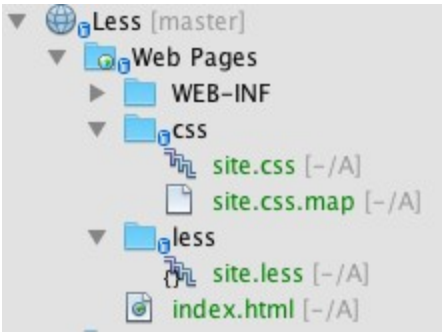

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project: CDIComponents
Categories:
Bean Validation
Enterprise JavaBeans
Contexts and Dependenc
Java
JavaBeans Objects
Unit Tests
File Types:
beans.xml (CDI Configuration File)
Qualifier Type
Stereotype
Interceptor Binding Type
Scope Type
Description:
Creates a new beans.xml.
Help
< Back
Next >
Finish
Cancel

```
46      @Inject
47      @MongoConnection
49      MongoSettings mongoSettings;
```

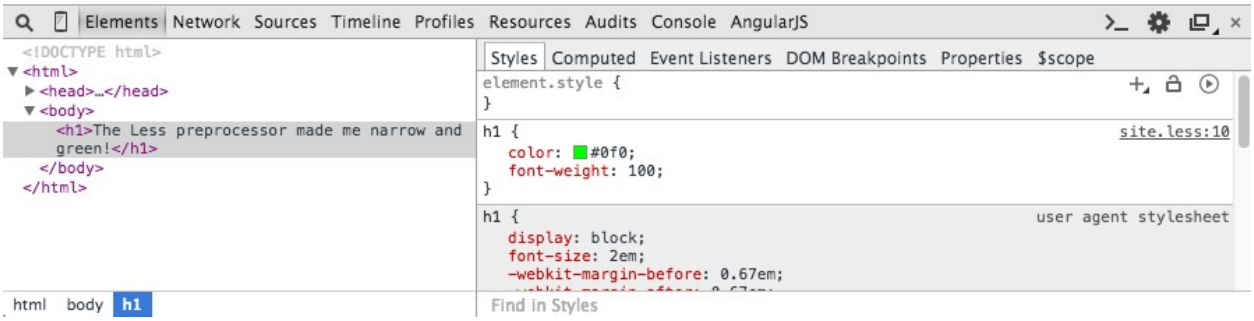
Chapter 8: Creating the Web Tier

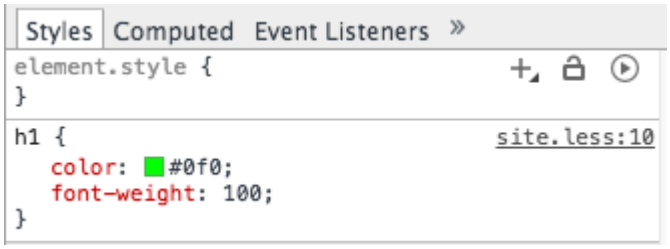


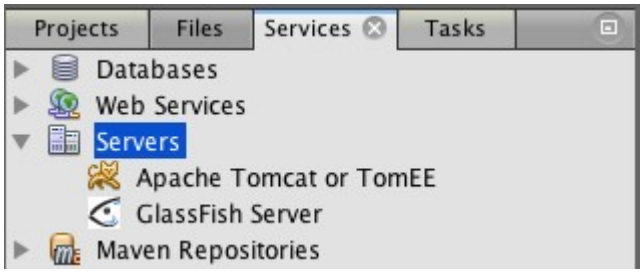

Project Properties - Less
Categories:
Sources
Frameworks
Libraries
JavaScript Files
CSS Preprocessors
Build
Compiling
Packaging
Documenting
Run
License Headers
Formatting
Configure Executables...
Sass
LESS
Compile LESS Files on Save
Watch:
Input
Output
/less
/css
Add
Remove
Use relative directory URLs to web/site root.
Compiler Options:
--plugin=less-plugin-clean-css
Use ${web.root} for web/site root, e.g. "${web.root}/includes".
Help
Cancel
OK

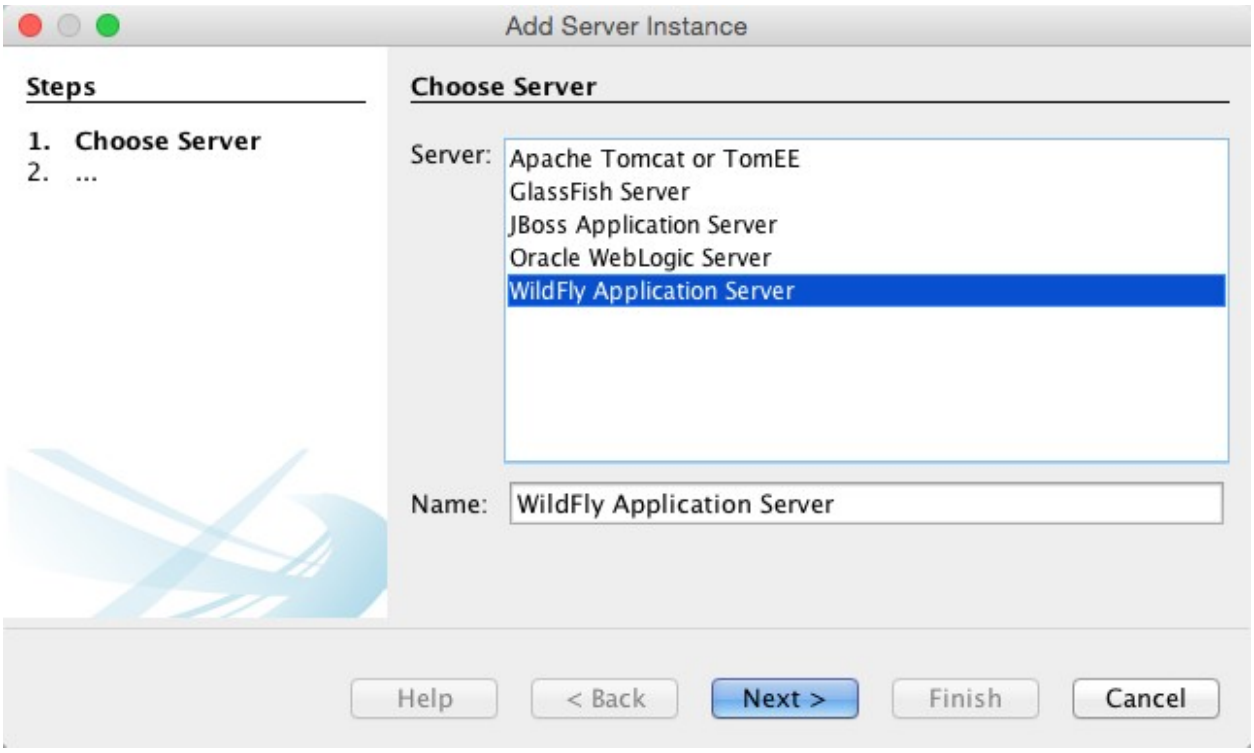

Less [master]
Web Pages
WEB-INF
css
site.css [-/A]
site.css.map [-/A]
less
site.less [-/A]
index.html [-/A]

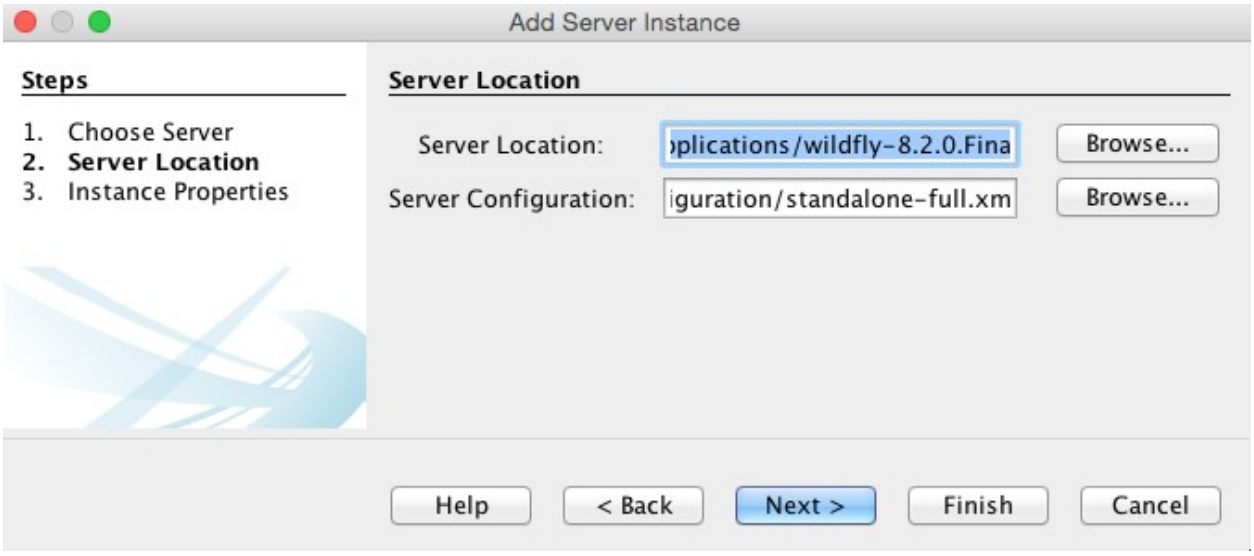
The Less preprocessor made me narrow and green!

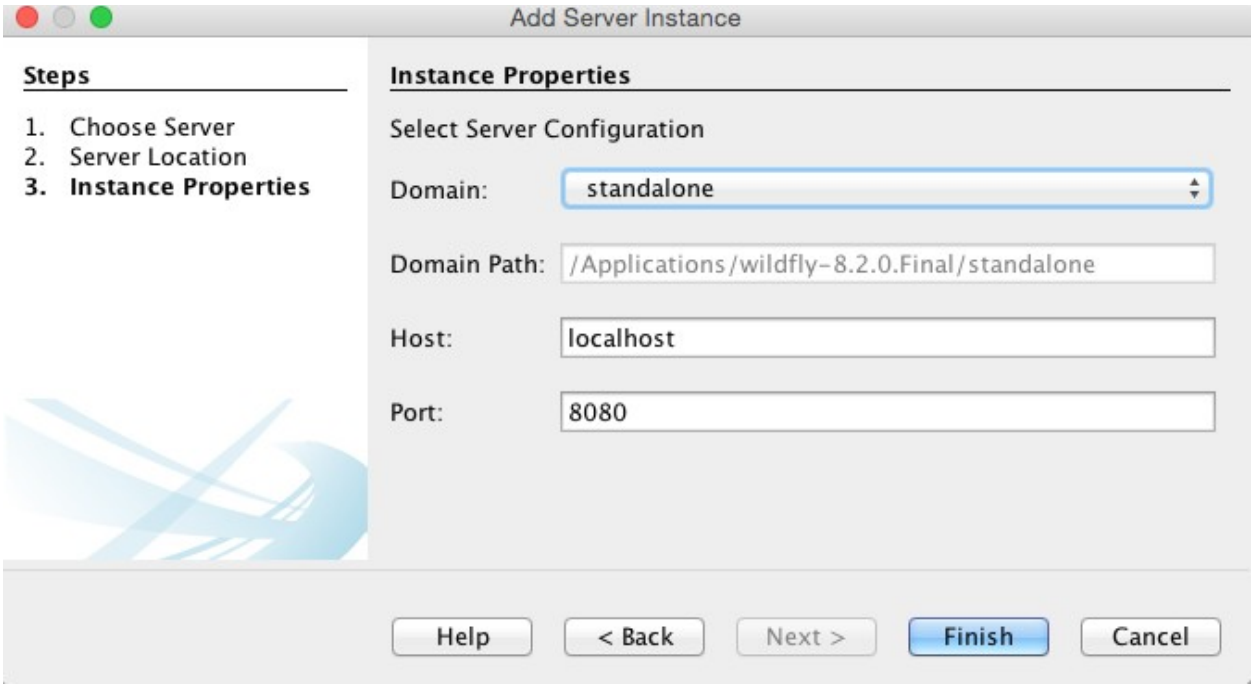


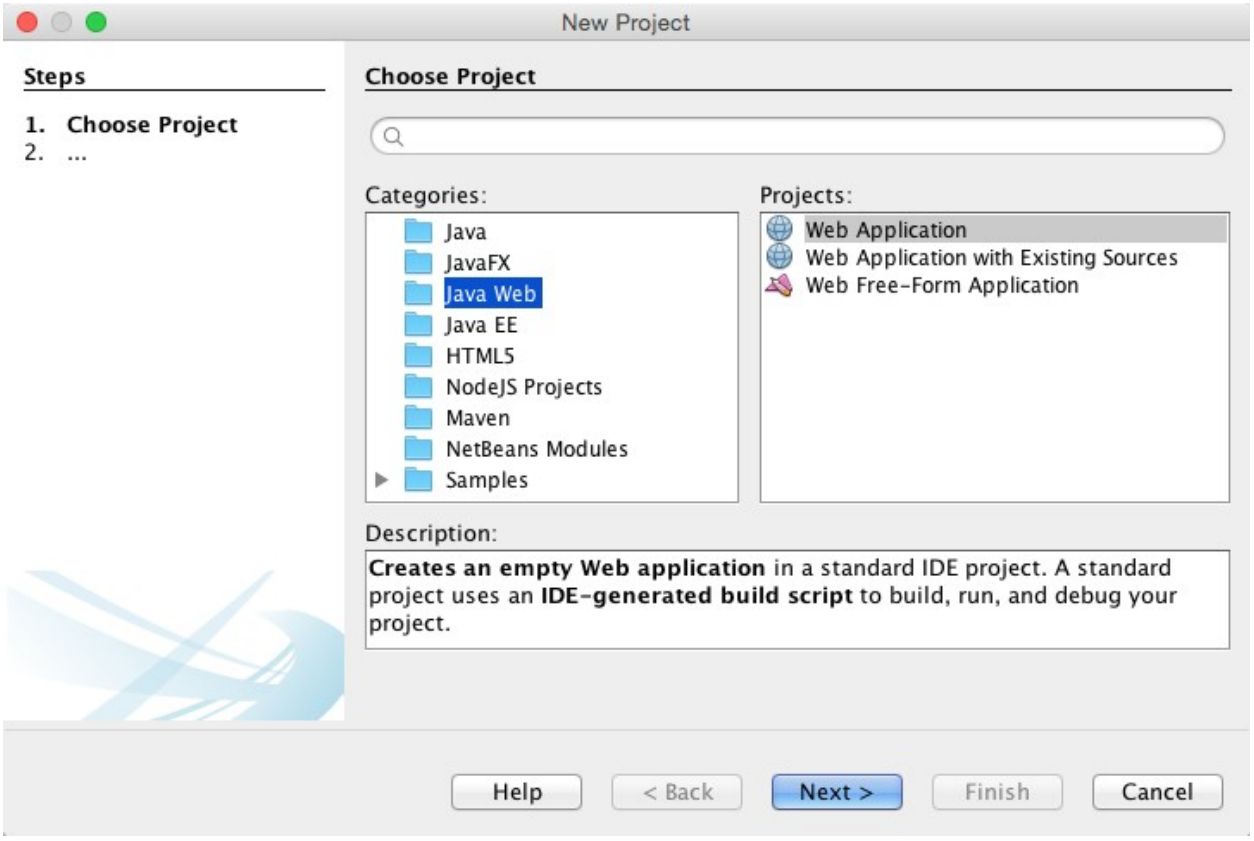


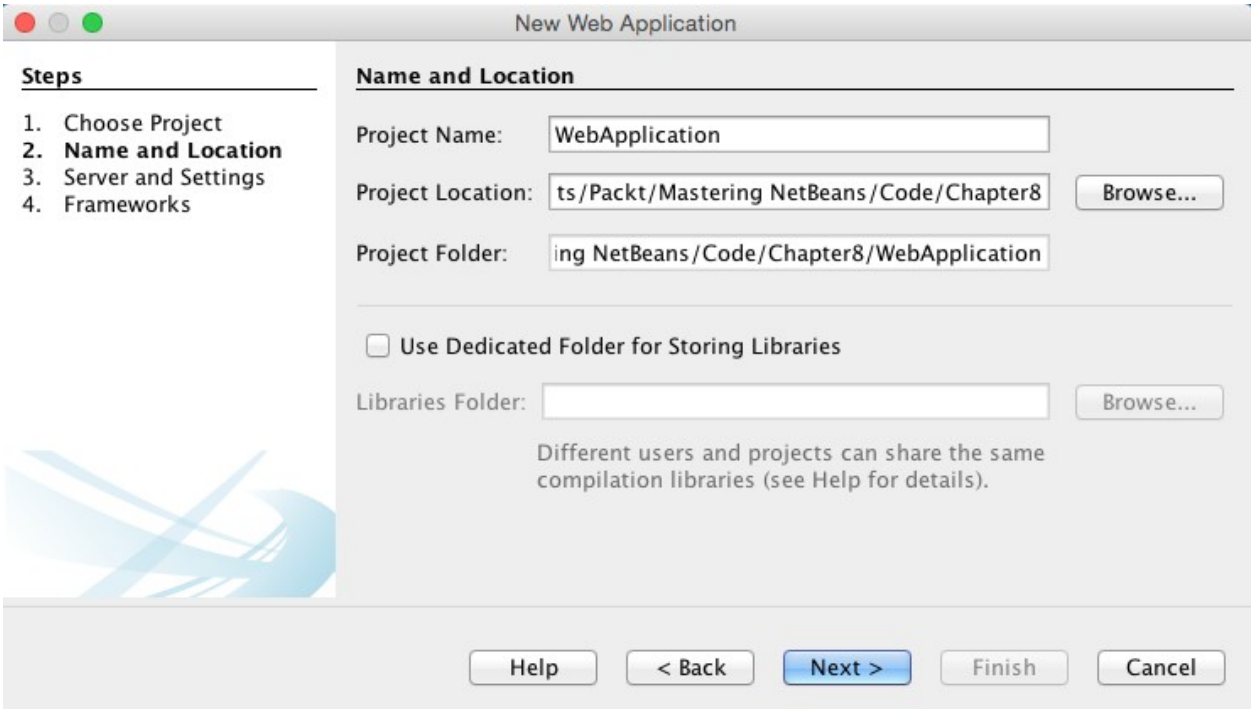


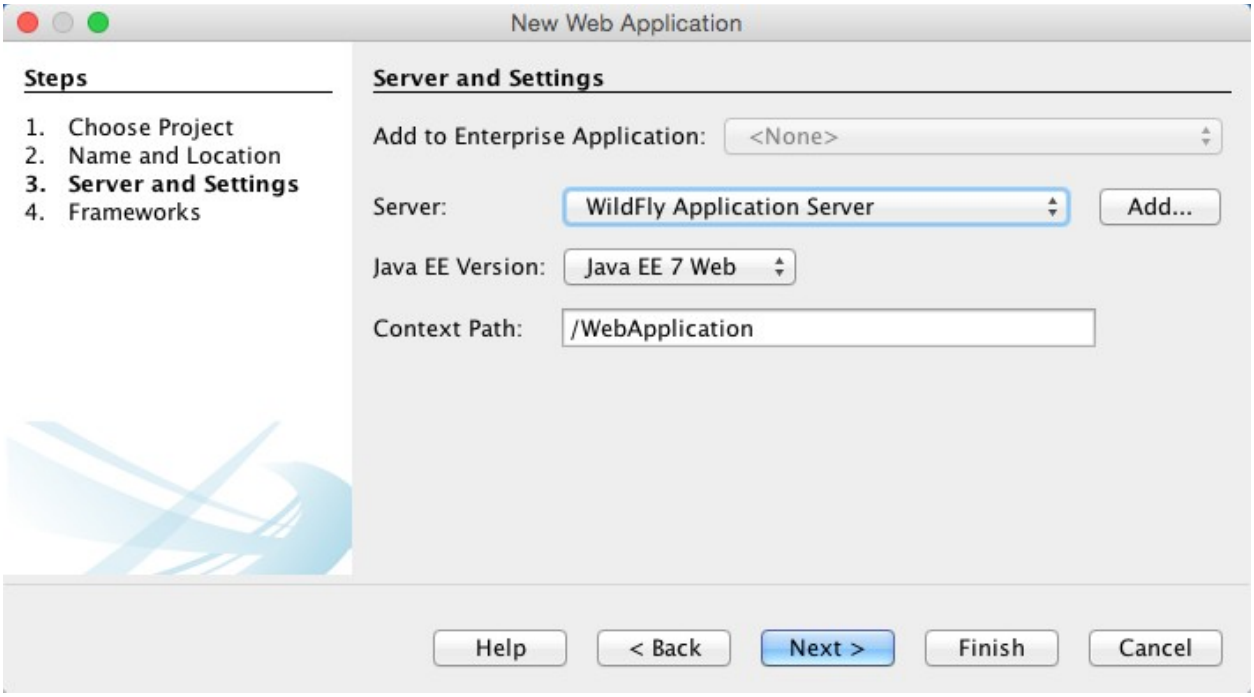

Add Server Instance
Steps
1. Choose Server
2. ...
Choose Server
Server:
Apache Tomcat or TomEE
GlassFish Server
JBoss Application Server
Oracle WebLogic Server
WildFly Application Server
Name:
WildFly Application Server
Help
< Back
Next >
Finish
Cancel

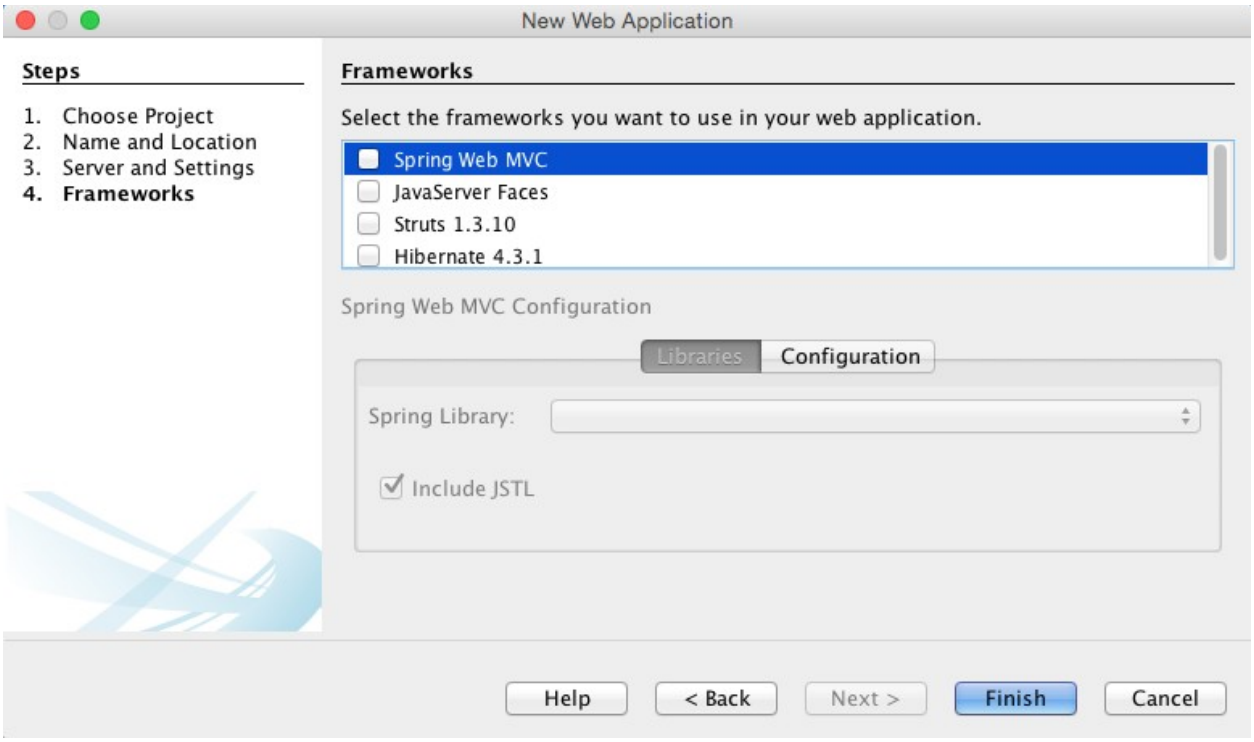

Add Server Instance
Steps
1. Choose Server
2. Server Location
3. Instance Properties
Server Location
Server Location:
plications/wildfly-8.2.0.Fina
Browse...
Server Configuration:
iguration/standalone-full.xm
Browse...
Help
< Back
Next >
Finish
Cancel

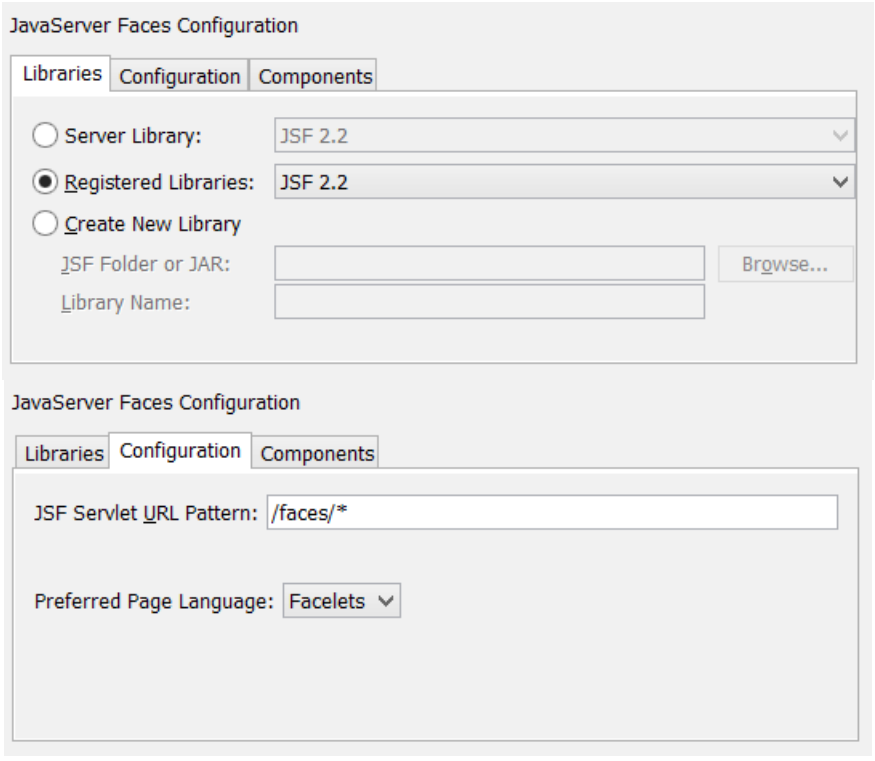

Add Server Instance
Steps
1. Choose Server
2. Server Location
3. Instance Properties
Instance Properties
Select Server Configuration
Domain:
standalone
Domain Path:
/Applications/wildfly-8.2.0.Final/standalone
Host:
localhost
Port:
8080
Help
< Back
Next >
Finish
Cancel

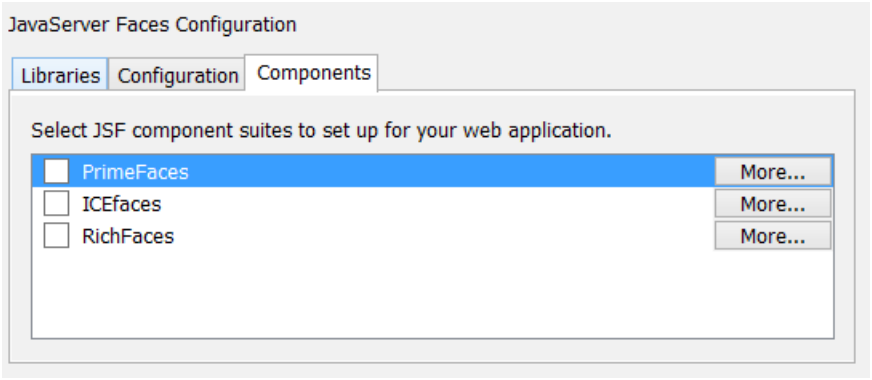

New Project
Steps
1. Choose Project
2. ...
Choose Project
Categories:
Java
JavaFX
Java Web
Java EE
HTML5
NodeJS Projects
Maven
NetBeans Modules
Samples
Projects:
Web Application
Web Application with Existing Sources
Web Free-Form Application
Description:
Creates an empty Web application in a standard IDE project. A standard project uses an IDE-generated build script to build, run, and debug your project.
Help
< Back
Next >
Finish
Cancel

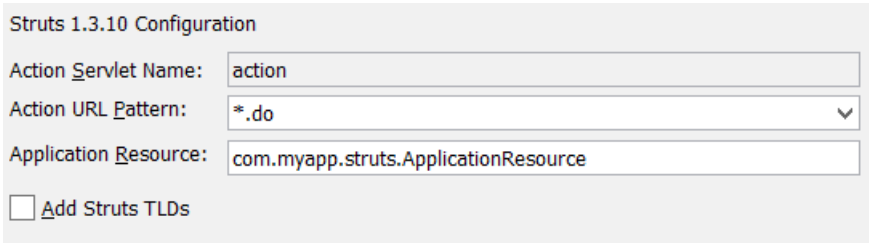

New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Name and Location
Project Name: WebApplication
Project Location: ts/Packt/Mastering NetBeans/Code/Chapter8
Browse...
Project Folder: ing NetBeans/Code/Chapter8/WebApplication
Use Dedicated Folder for Storing Libraries
Libraries Folder:
Browse...
Different users and projects can share the same compilation libraries (see Help for details).
Help
< Back
Next >
Finish
Cancel

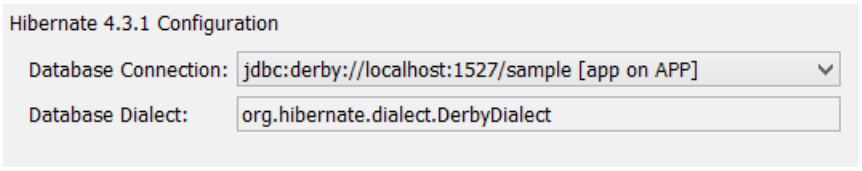

New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Server and Settings
Add to Enterprise Application: <None>
Server: WildFly Application Server
Add...
Java EE Version: Java EE 7 Web
Context Path: /WebApplication
Help
< Back
Next >
Finish
Cancel

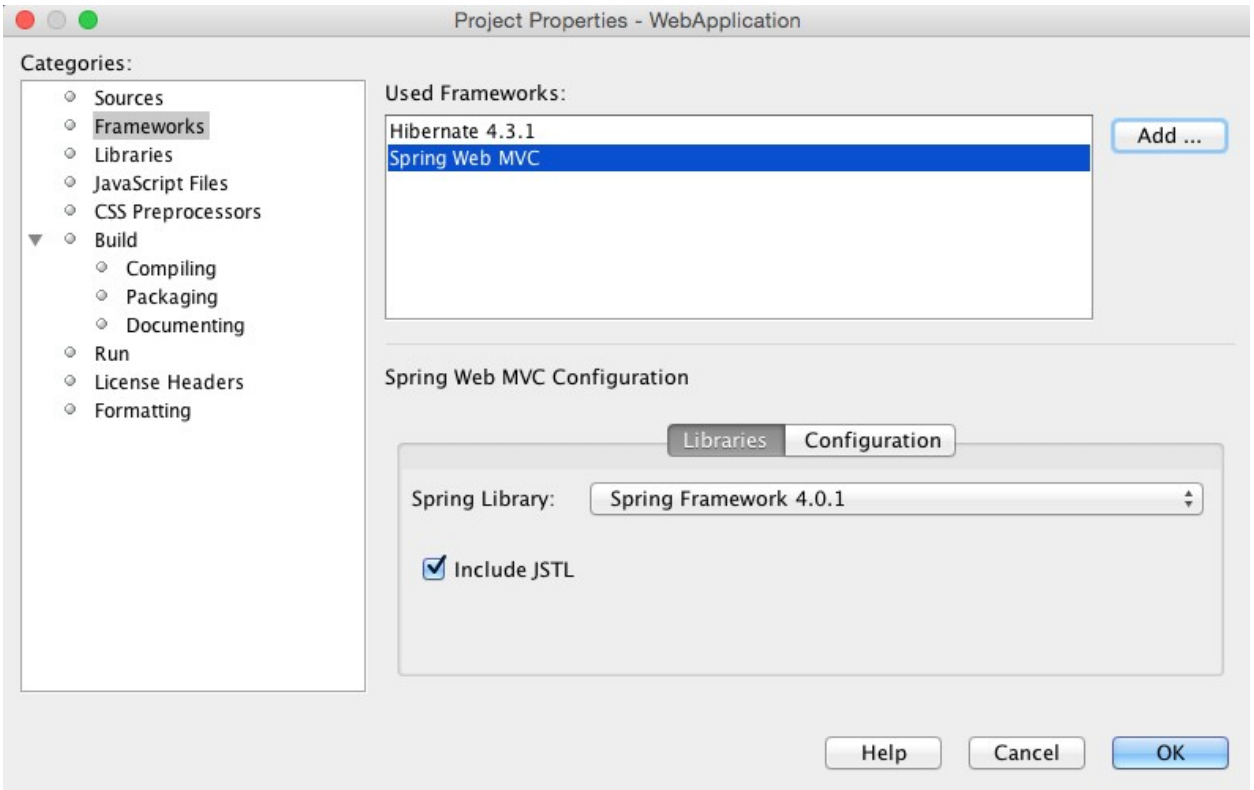

New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Frameworks
Select the frameworks you want to use in your web application.
Spring Web MVC
JavaServer Faces
Struts 1.3.10
Hibernate 4.3.1
Spring Web MVC Configuration
Libraries
Configuration
Spring Library:
Include JSTL
Help
< Back
Next >
Finish
Cancel

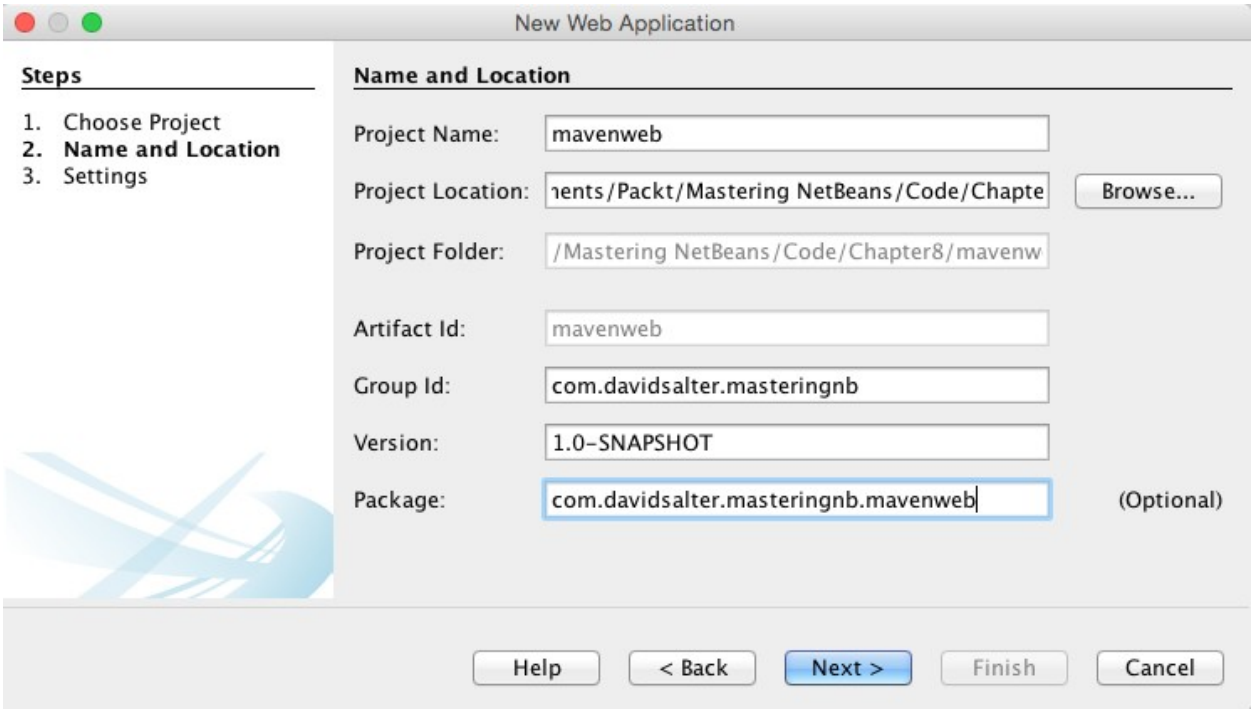

JavaServer Faces Configuration
Libraries
Configuration
Components
Server Library:
JSF 2.2
Registered Libraries:
JSF 2.2
Create New Library
JSF Folder or JAR:
Browse...
Library Name:
JavaServer Faces Configuration
Libraries
Configuration
Components
JSF Servlet URL Pattern:
/faces/*
Preferred Page Language:
Facelets

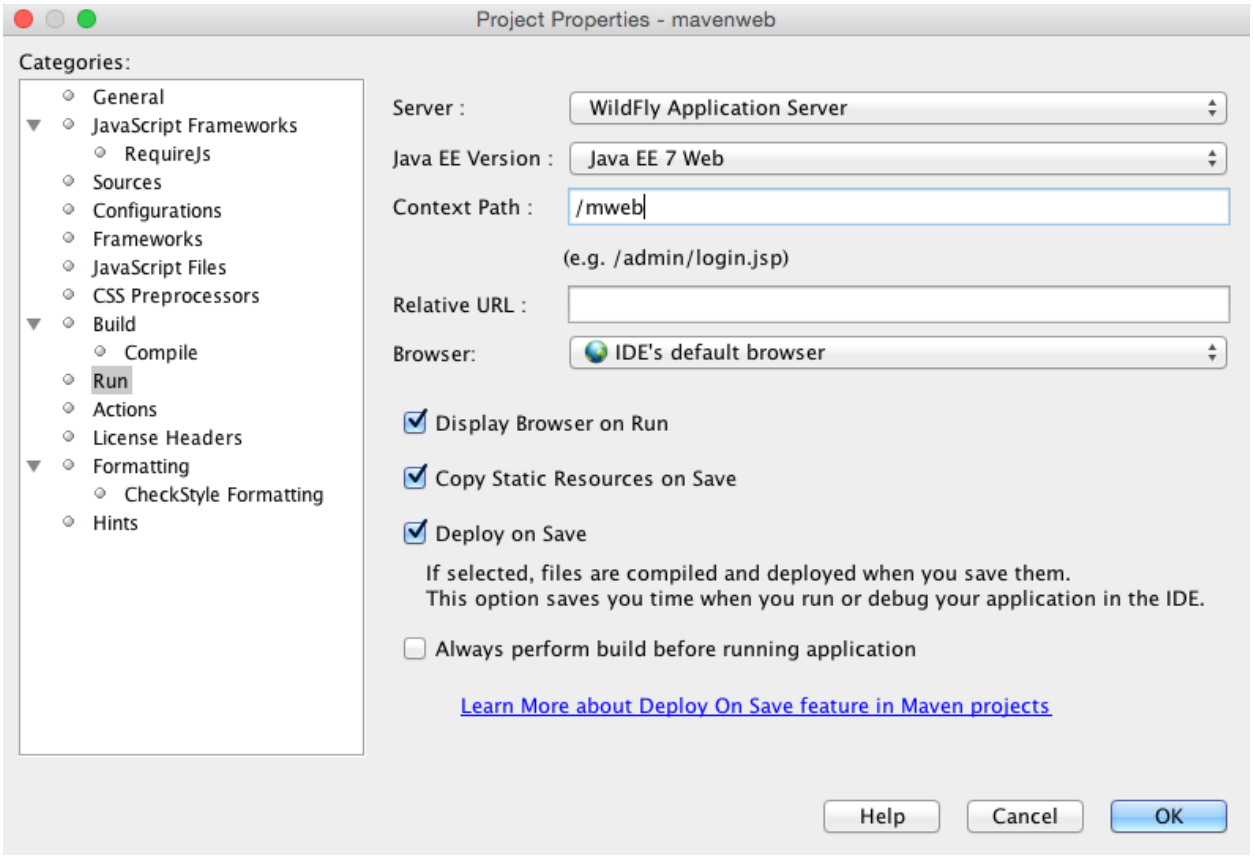

JavaServer Faces Configuration
Libraries
Configuration
Components
Select JSF component suites to set up for your web application.
PrimeFaces
More...
ICEfaces
More...
RichFaces
More...

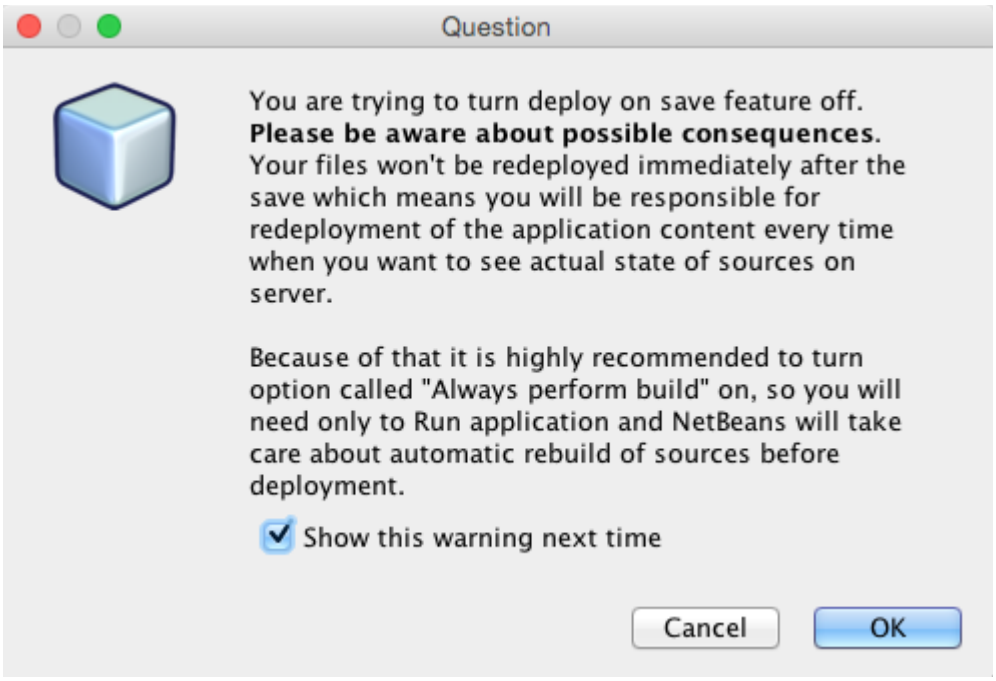

Struts 1.3.10 Configuration
Action Servlet Name:
action
Action URL Pattern:
*.do
Application Resource:
com.myapp.struts.ApplicationResource
Add Struts TLDs

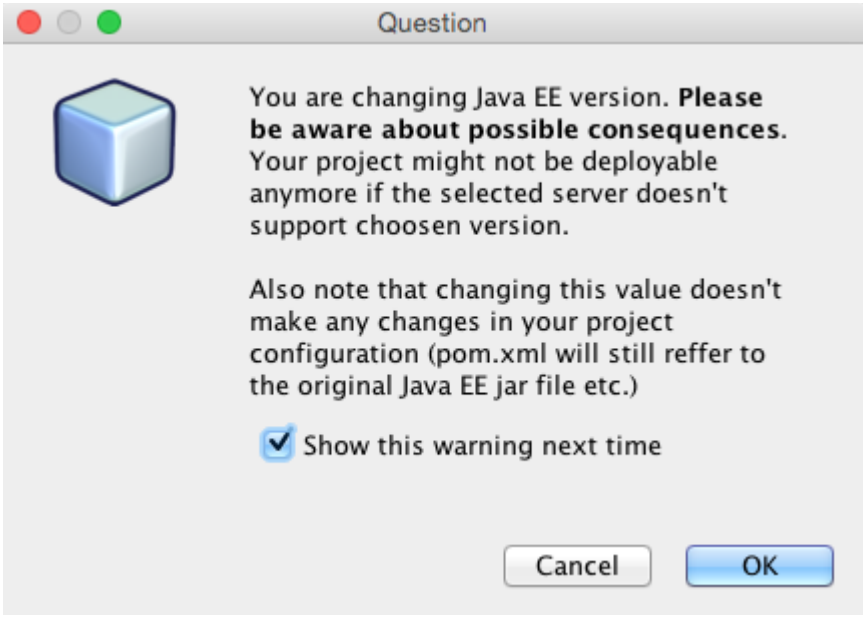

Hibernate 4.3.1 Configuration
Database Connection:
jdbc:derby://localhost:1527/sample [app on APP]
Database Dialect:
org.hibernate.dialect.DerbyDialect

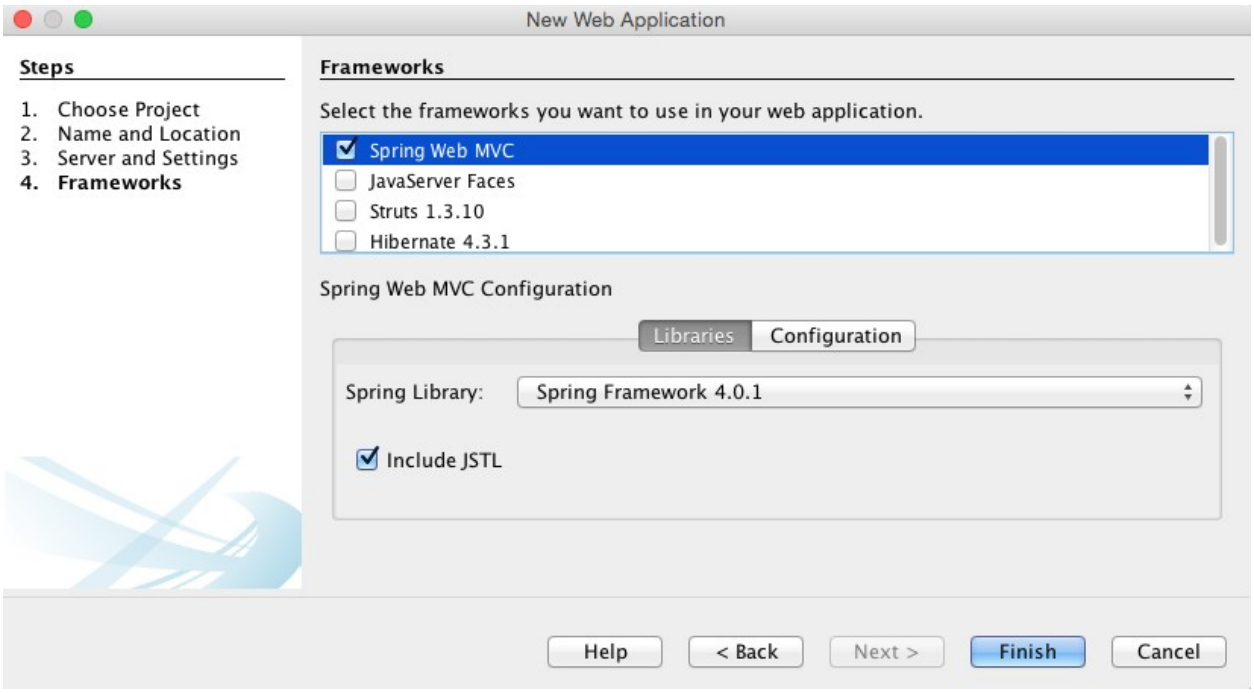

Project Properties - WebApplication
Categories:
Sources
Frameworks
Libraries
JavaScript Files
CSS Preprocessors
Build
Compiling
Packaging
Documenting
Run
License Headers
Formatting
Used Frameworks:
Hibernate 4.3.1
Spring Web MVC
Add ...
Spring Web MVC Configuration
Libraries
Configuration
Spring Library:
Spring Framework 4.0.1
Include JSTL
Help
Cancel
OK


New Web Application
Steps
1. Choose Project
2. Name and Location
3. Settings
Name and Location
Project Name:
mavenweb
Project Location:
ients/Packt/Mastering NetBeans/Code/Chapte
Browse...
Project Folder:
/Mastering NetBeans/Code/Chapter8/mavenw
Artifact Id:
mavenweb
Group Id:
com.davidsalter.masteringnb
Version:
1.0-SNAPSHOT
Package:
com.davidsalter.masteringnb.mavenweb
(Optional)
Help
< Back
Next >
Finish
Cancel

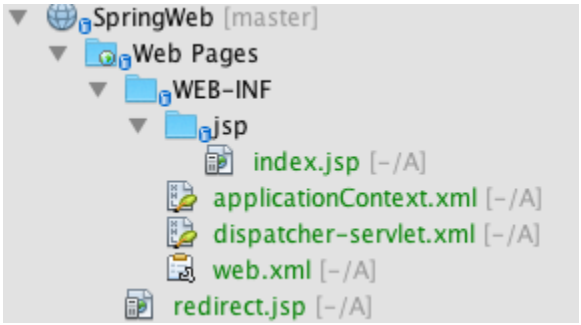

Project Properties - mavenweb
Categories:
General
JavaScript Frameworks
RequireJs
Sources
Configurations
Frameworks
JavaScript Files
CSS Preprocessors
Build
Compile
Run
Actions
License Headers
Formatting
CheckStyle Formatting
Hints
Server :
WildFly Application Server
Java EE Version :
Java EE 7 Web
Context Path :
/mweb
(e.g. /admin/login.jsp)
Relative URL :
Browser:
IDE's default browser
Display Browser on Run
Copy Static Resources on Save
Deploy on Save
If selected, files are compiled and deployed when you save them.
This option saves you time when you run or debug your application in the IDE.
Always perform build before running application
Learn More about Deploy On Save feature in Maven projects
Help
Cancel
OK

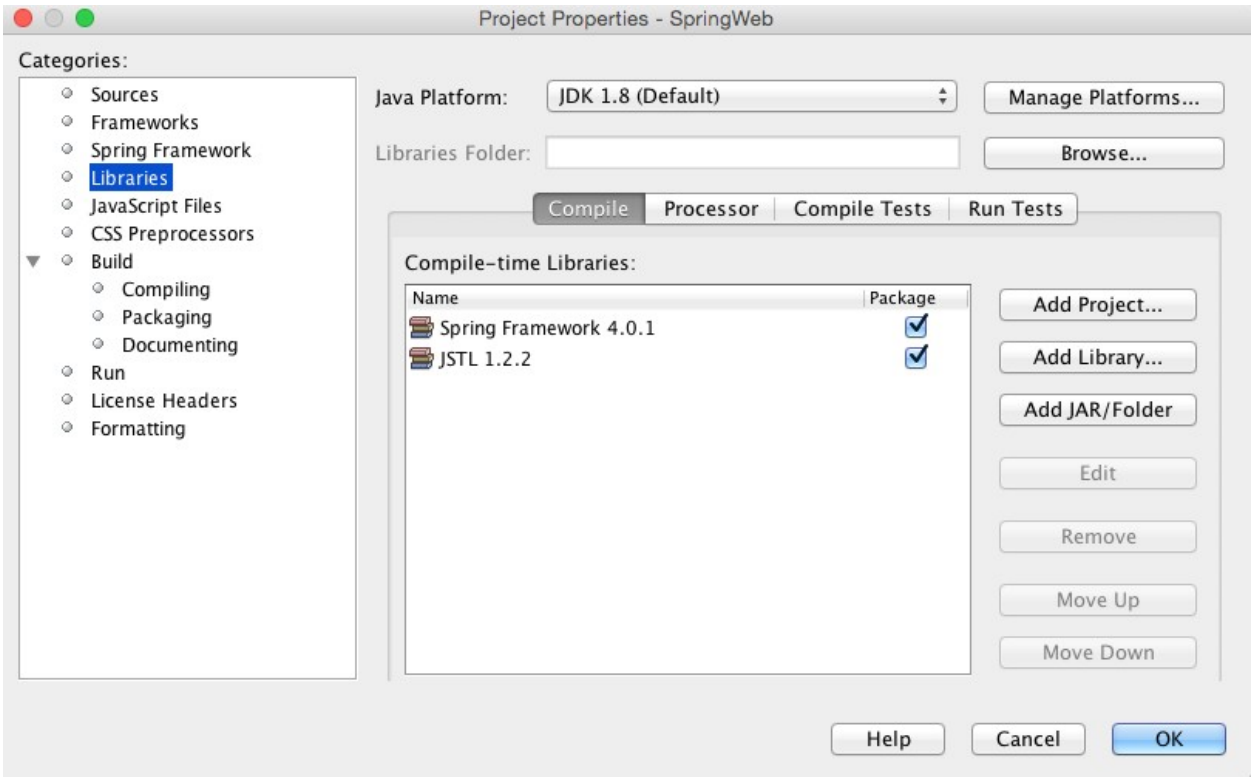

Question
You are trying to turn deploy on save feature off. **Please be aware about possible consequences.** Your files won't be redeployed immediately after the save which means you will be responsible for redeployment of the application content every time when you want to see actual state of sources on server.
Because of that it is highly recommended to turn option called "Always perform build" on, so you will need only to Run application and NetBeans will take care about automatic rebuild of sources before deployment.
Show this warning next time
Cancel
OK

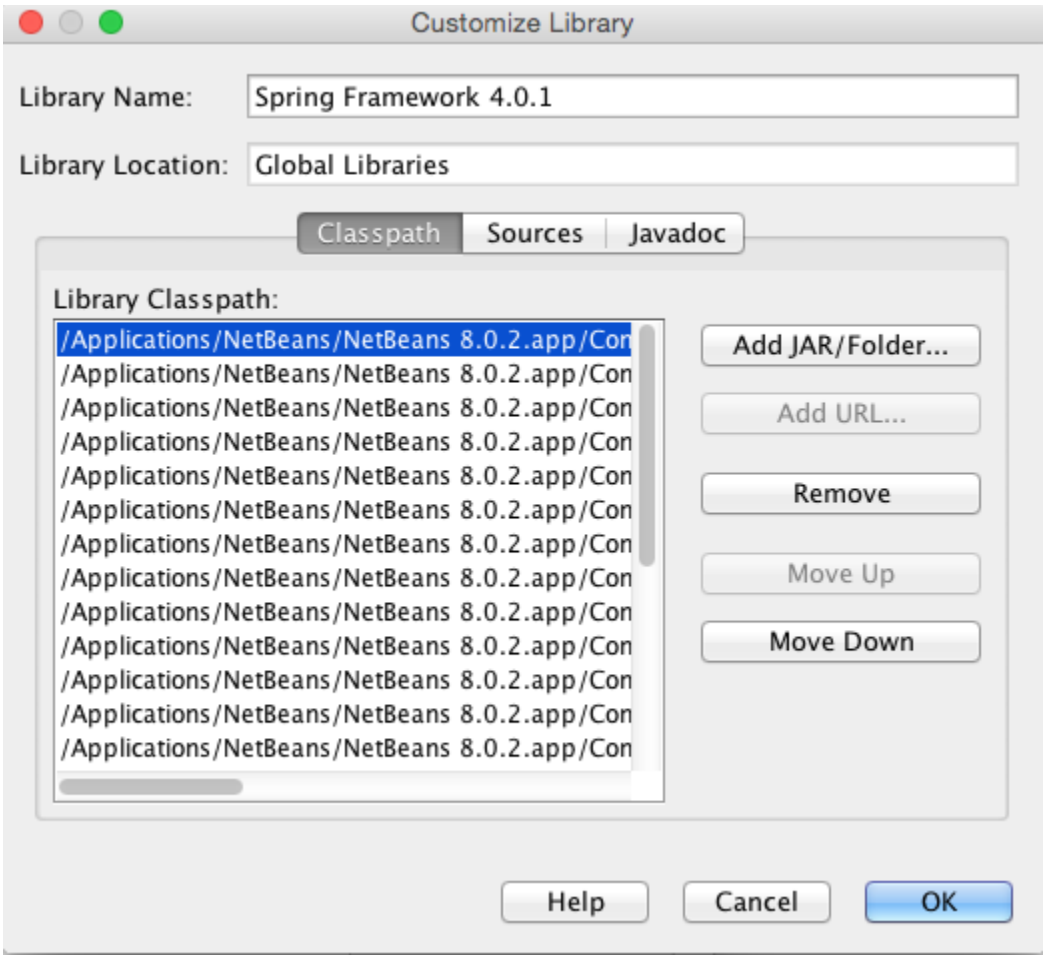

Question
You are changing Java EE version. **Please be aware about possible consequences.** Your project might not be deployable anymore if the selected server doesn't support choosen version.
Also note that changing this value doesn't make any changes in your project configuration (pom.xml will still reffer to the original Java EE jar file etc.)
Show this warning next time
Cancel
OK

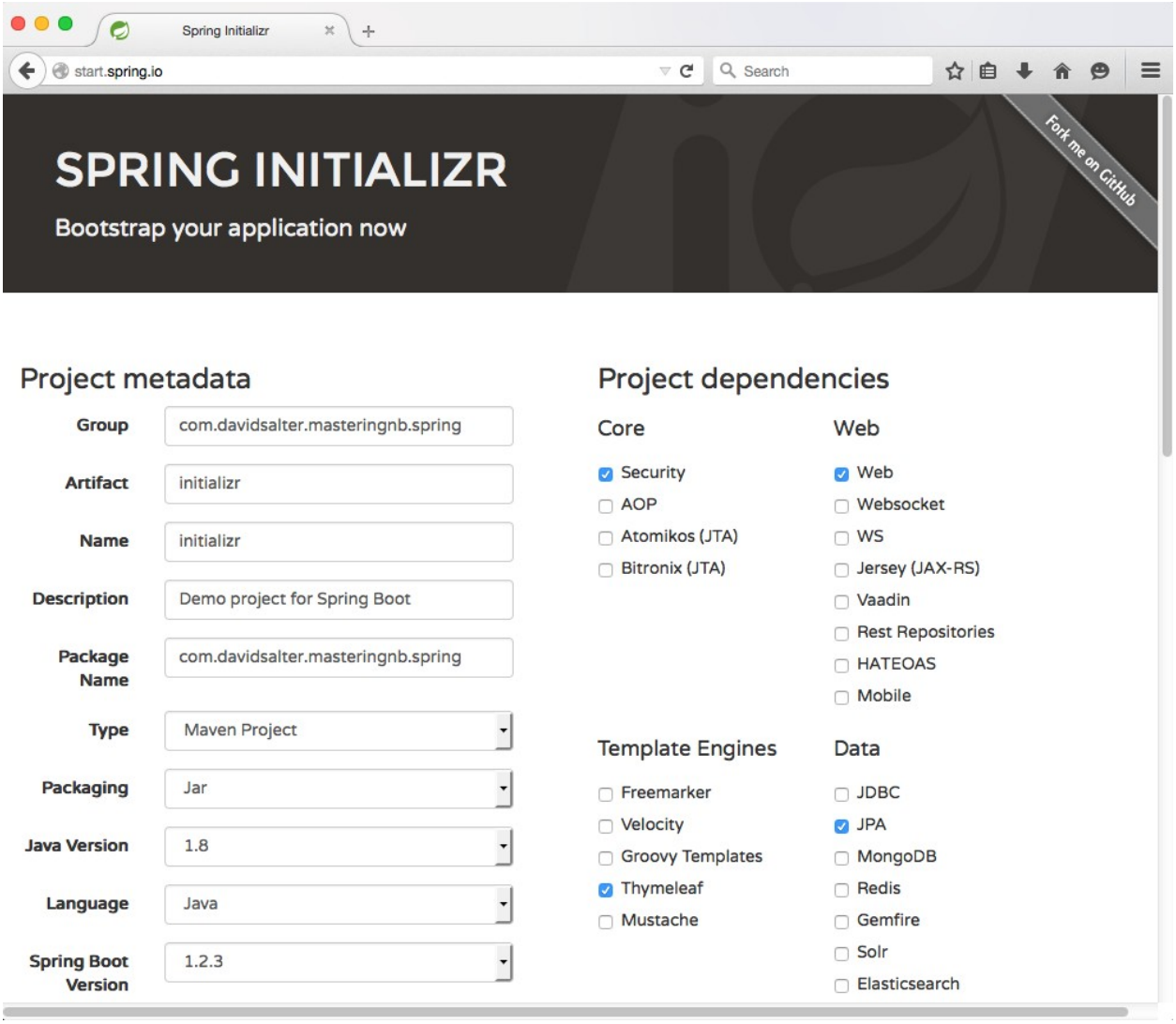

New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Frameworks
Select the frameworks you want to use in your web application.
Spring Web MVC
JavaServer Faces
Struts 1.3.10
Hibernate 4.3.1
Spring Web MVC Configuration
Libraries
Configuration
Spring Library:
Spring Framework 4.0.1
Include JSTL
Help
< Back
Next >
Finish
Cancel

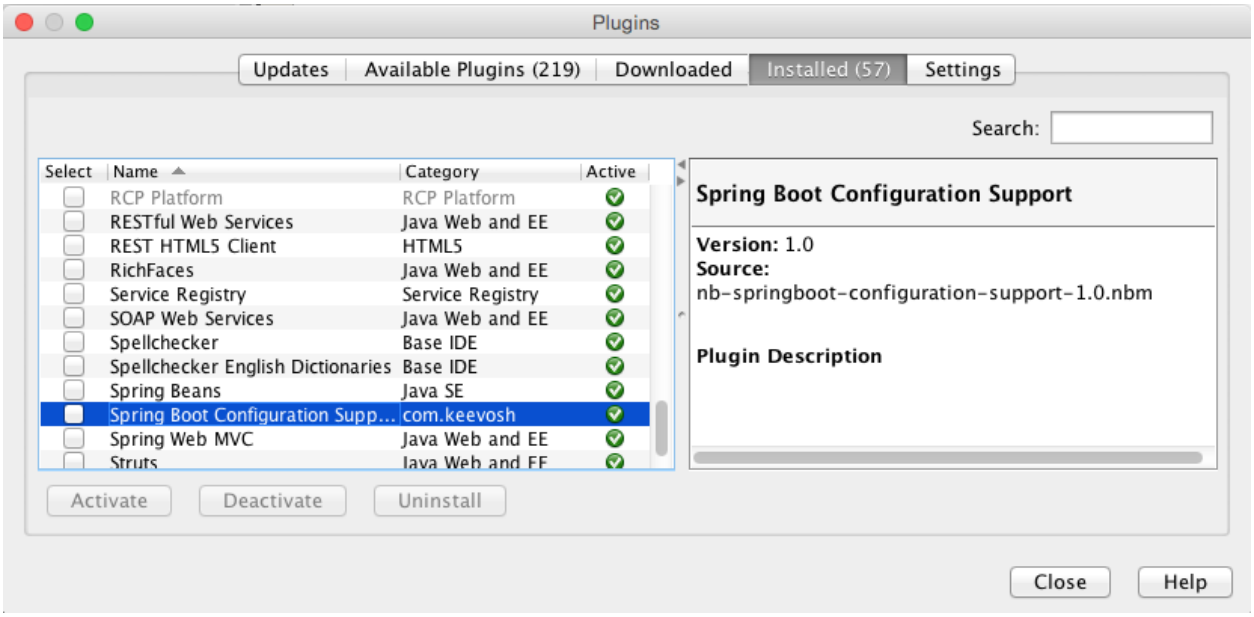
Libraries
Configuration
Dispatcher Name:
dispatcher
Dispatcher Mapping:
*.htm

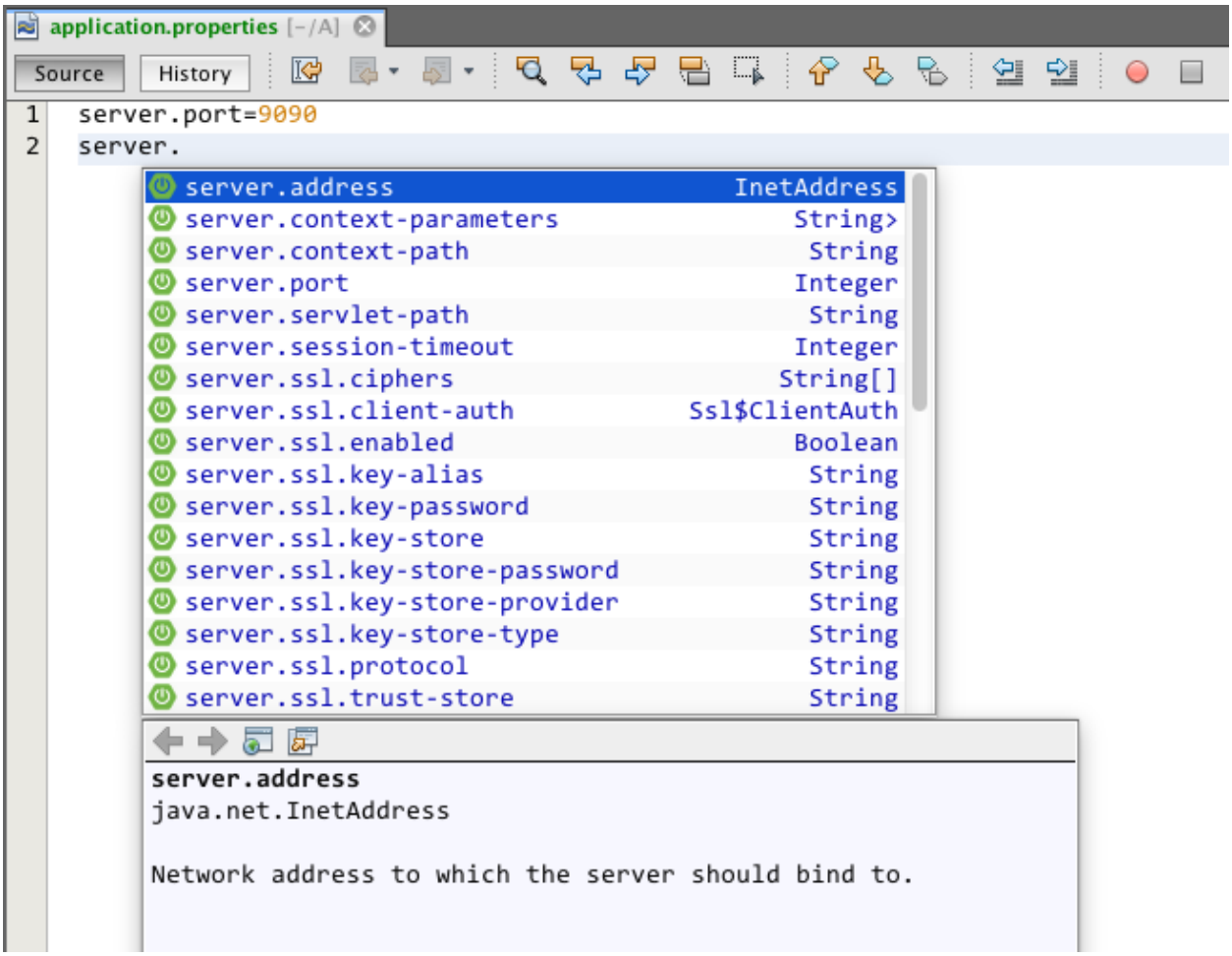

SpringWeb [master]
Web Pages
WEB-INF
jsp
index.jsp [-/A]
applicationContext.xml [-/A]
dispatcher-servlet.xml [-/A]
web.xml [-/A]
redirect.jsp [-/A]

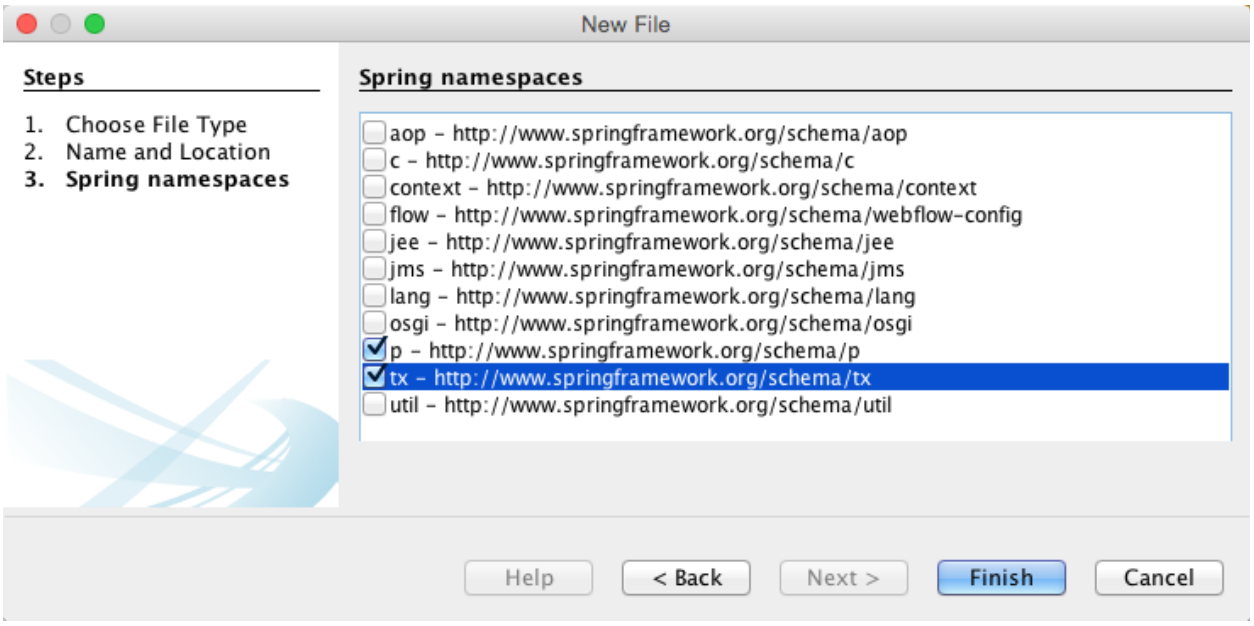

Project Properties - SpringWeb
Categories:
Sources
Frameworks
Spring Framework
Libraries
JavaScript Files
CSS Preprocessors
Build
Compiling
Packaging
Documenting
Run
License Headers
Formatting
Java Platform:
JDK 1.8 (Default)
Manage Platforms...
Libraries Folder:
Browse...
Compile
Processor
Compile Tests
Run Tests
Compile-time Libraries:
Name
Package
Spring Framework 4.0.1
JSTL 1.2.2
Add Project...
Add Library...
Add JAR/Folder
Edit
Remove
Move Up
Move Down
Help
Cancel
OK

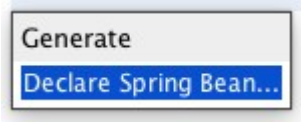

Customize Library
Library Name:
Spring Framework 4.0.1
Library Location:
Global Libraries
Classpath
Sources
Javadoc
Library Classpath:
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
/Applications/NetBeans/NetBeans 8.0.2.app/Con
Add JAR/Folder...
Add URL...
Remove
Move Up
Move Down
Help
Cancel
OK

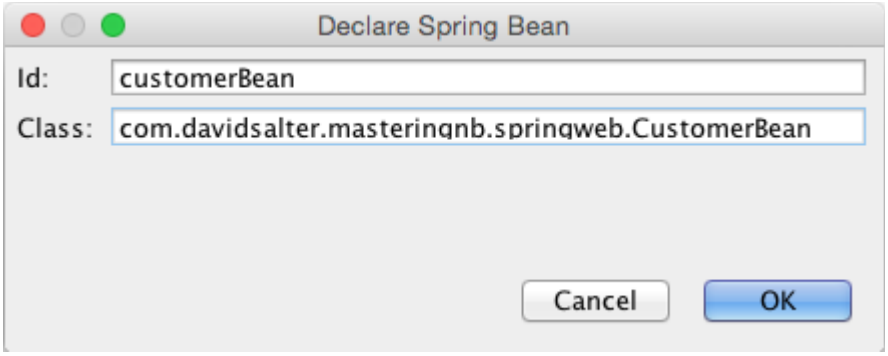

Spring Initializr
start.spring.io
Search
SPRING INITIALIZR
Bootstrap your application now
Fork me on GitHub
Project metadata
Group
com.davidsalter.masteringnb.spring
Artifact
initializr
Name
initializr
Description
Demo project for Spring Boot
Package Name
com.davidsalter.masteringnb.spring
Type
Maven Project
Packaging
Jar
Java Version
1.8
Language
Java
Spring Boot Version
1.2.3
Project dependencies
Core
Security
AOP
Atomikos (JTA)
Bitronix (JTA)
Web
Web
Websocket
WS
Jersey (JAX-RS)
Vaadin
Rest Repositories
HATEOAS
Mobile
Template Engines
Freemarker
Velocity
Groovy Templates
Thymeleaf
Mustache
Data
JDBC
JPA
MongoDB
Redis
Gemfire
Solr
Elasticsearch

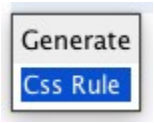

Plugins
Updates
Available Plugins (219)
Downloaded
Installed (57)
Settings
Search:
Select
Name
Category
Active
RCP Platform
RCP Platform
RESTful Web Services
Java Web and EE
REST HTML5 Client
HTML5
RichFaces
Java Web and EE
Service Registry
Service Registry
SOAP Web Services
Java Web and EE
Spellchecker
Base IDE
Spellchecker English Dictionaries
Base IDE
Spring Beans
Java SE
Spring Boot Configuration Supp...
com.keevosh
Spring Web MVC
Java Web and EE
Struts
Java Web and EE
Spring Boot Configuration Support
Version: 1.0
Source:
nb-springboot-configuration-support-1.0.nbm
Plugin Description
Activate
Deactivate
Uninstall
Close
Help

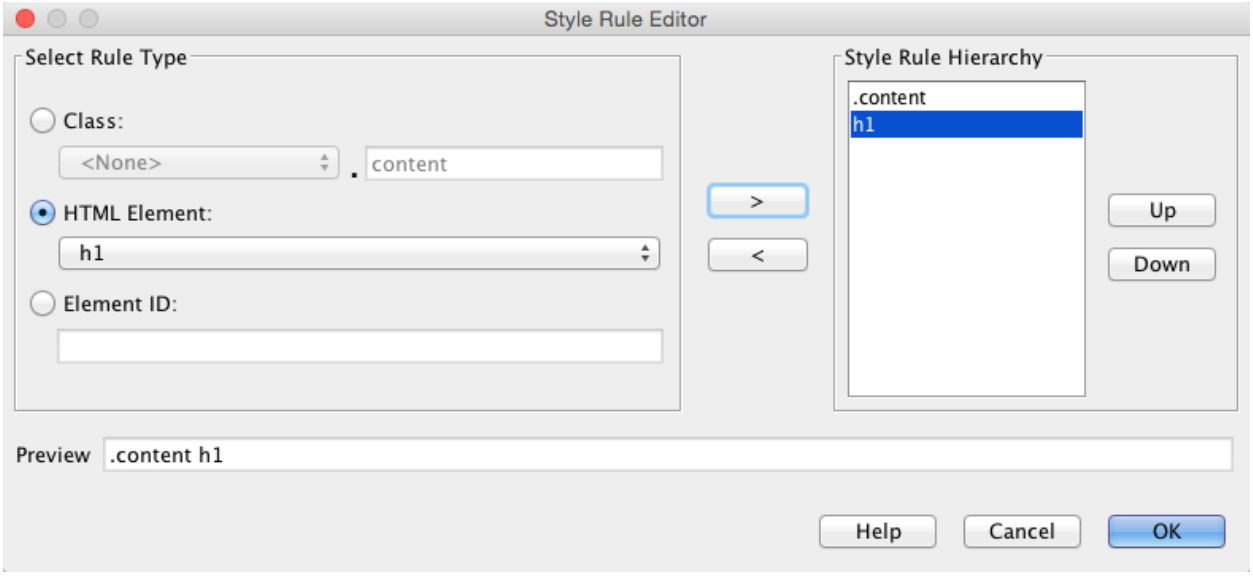

application.properties [-/A]
Source
History
1 server.port=9090
2 server.
server.address InetAddress
server.context-parameters String>
server.context-path String
server.port Integer
server.servlet-path String
server.session-timeout Integer
server.ssl.ciphers String[]
server.ssl.client-auth Ssl$ClientAuth
server.ssl.enabled Boolean
server.ssl.key-alias String
server.ssl.key-password String
server.ssl.key-store String
server.ssl.key-store-password String
server.ssl.key-store-provider String
server.ssl.key-store-type String
server.ssl.protocol String
server.ssl.trust-store String
server.address
java.net.InetAddress
Network address to which the server should bind to.

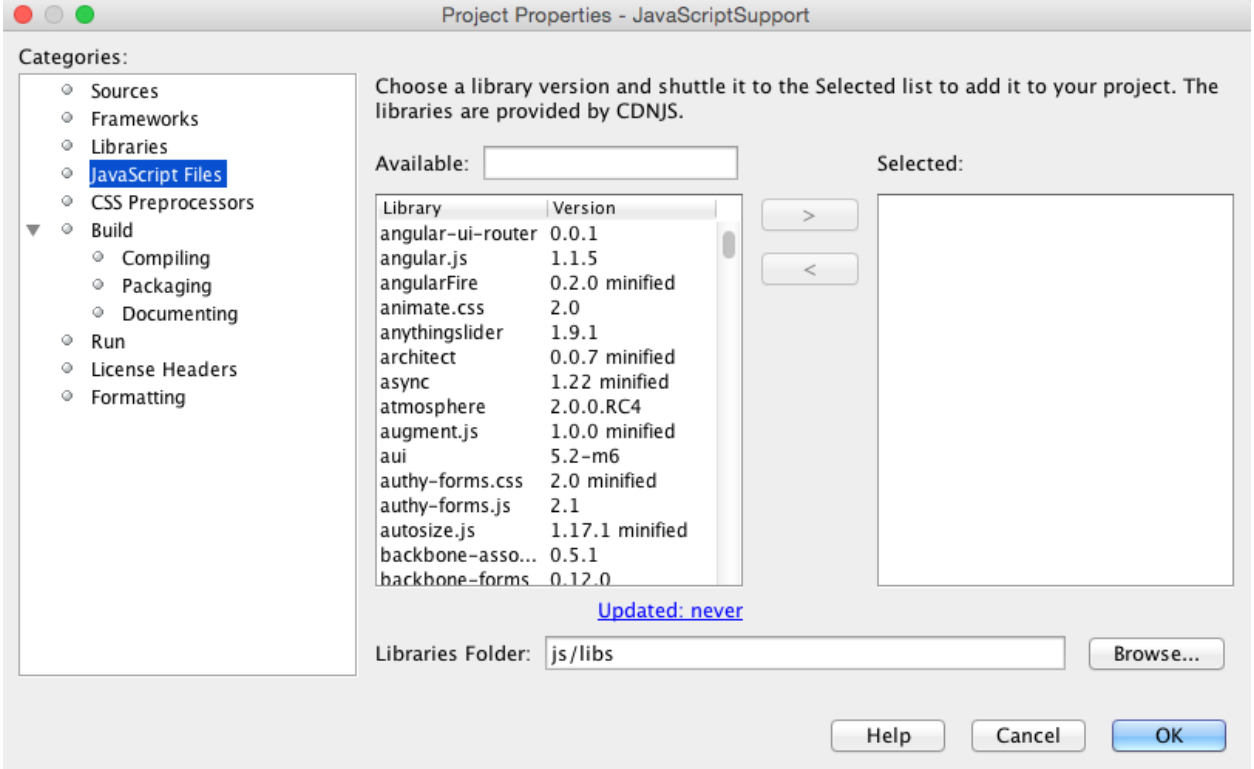

New File
Steps
1. Choose File Type
2. Name and Location
3. Spring namespaces
Spring namespaces
aop - http://www.springframework.org/schema/aop
c - http://www.springframework.org/schema/c
context - http://www.springframework.org/schema/context
flow - http://www.springframework.org/schema/webflow-config
jee - http://www.springframework.org/schema/jee
jms - http://www.springframework.org/schema/jms
lang - http://www.springframework.org/schema/lang
osgi - http://www.springframework.org/schema/osgi
p - http://www.springframework.org/schema/p
tx - http://www.springframework.org/schema/tx
util - http://www.springframework.org/schema/util
Help
< Back
Next >
Finish
Cancel

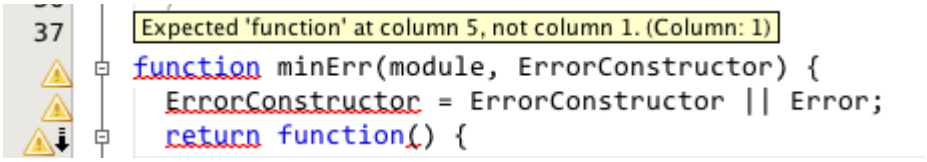

Generate
Declare Spring Bean...


Declare Spring Bean
Id:
customerBean
Class:
com.davidsalter.masteringnb.springweb.CustomerBean
Cancel
OK

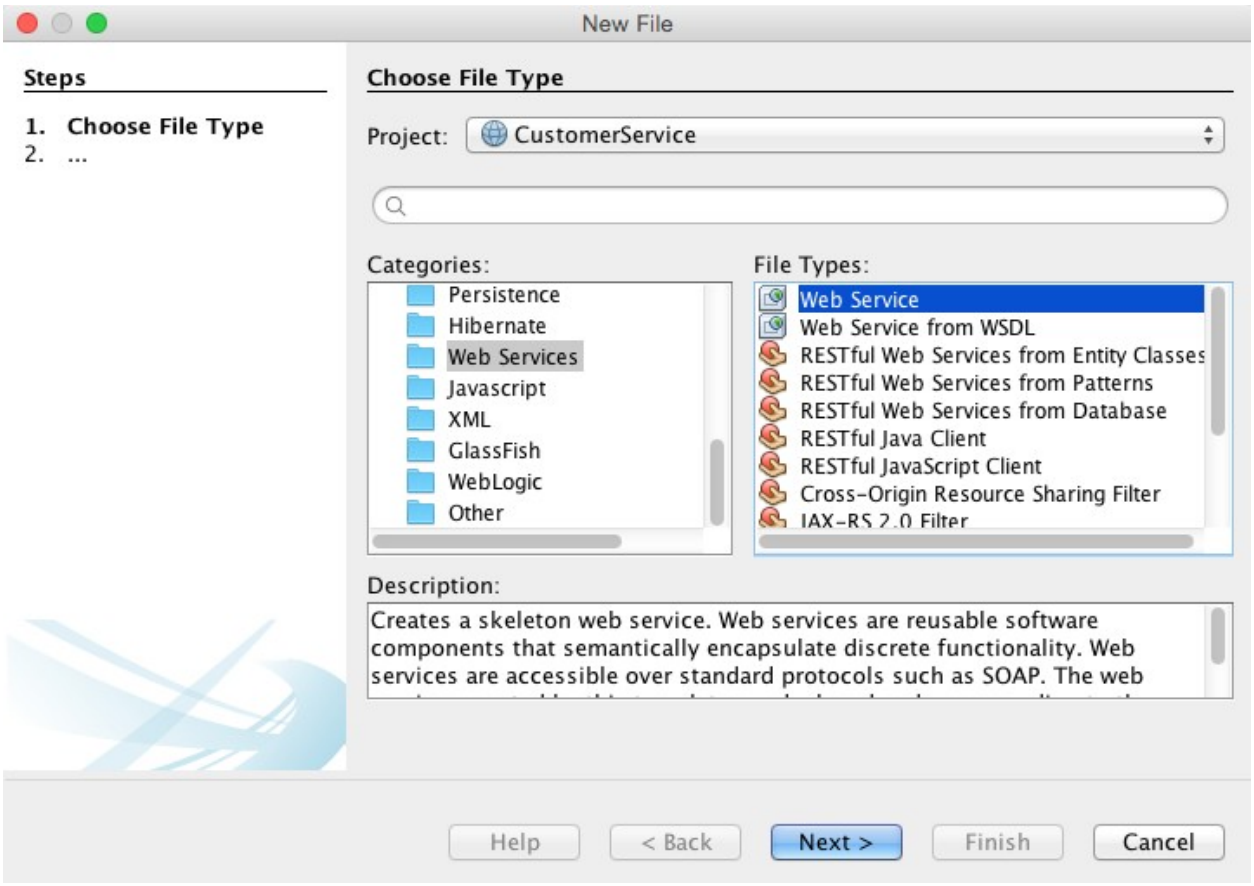

Generate
Css Rule

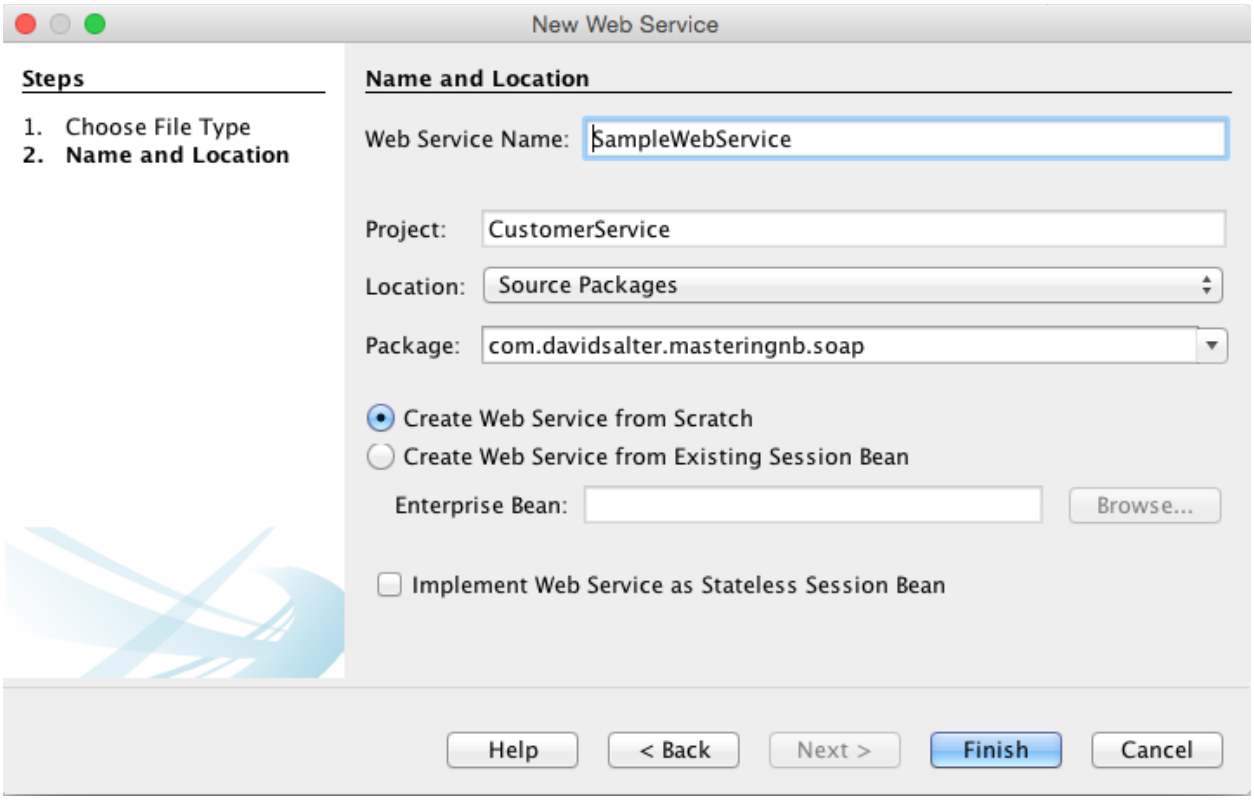

Style Rule Editor
Select Rule Type
Class:
<None>
.
content
HTML Element:
h1
Element ID:
>
<
Style Rule Hierarchy
.content
h1
Up
Down
Preview
.content h1
Help
Cancel
OK

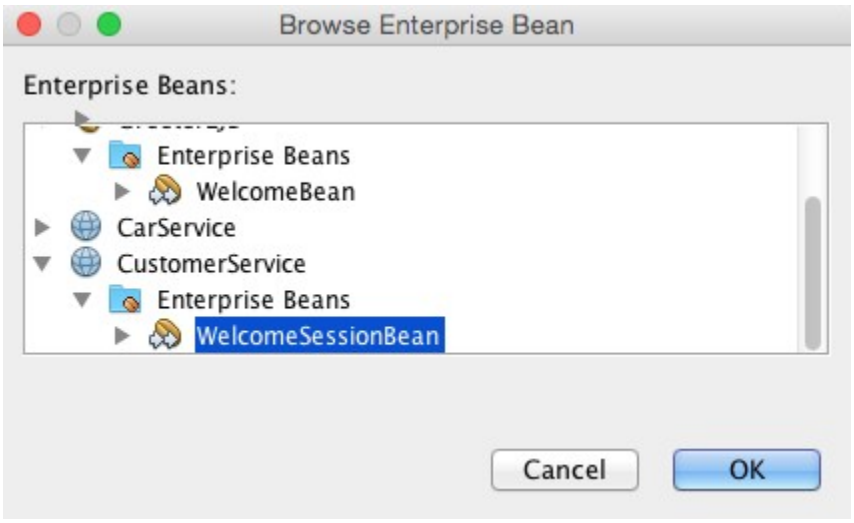


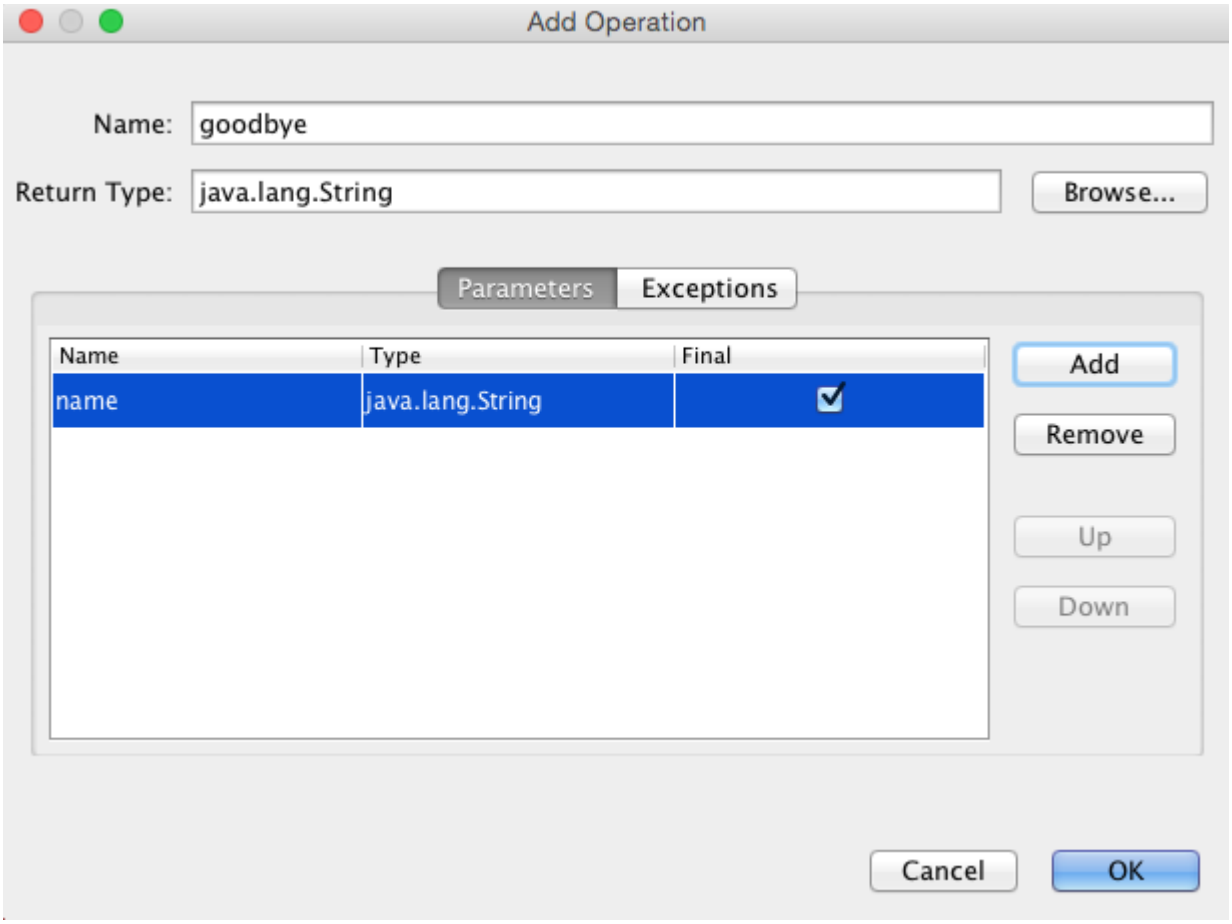


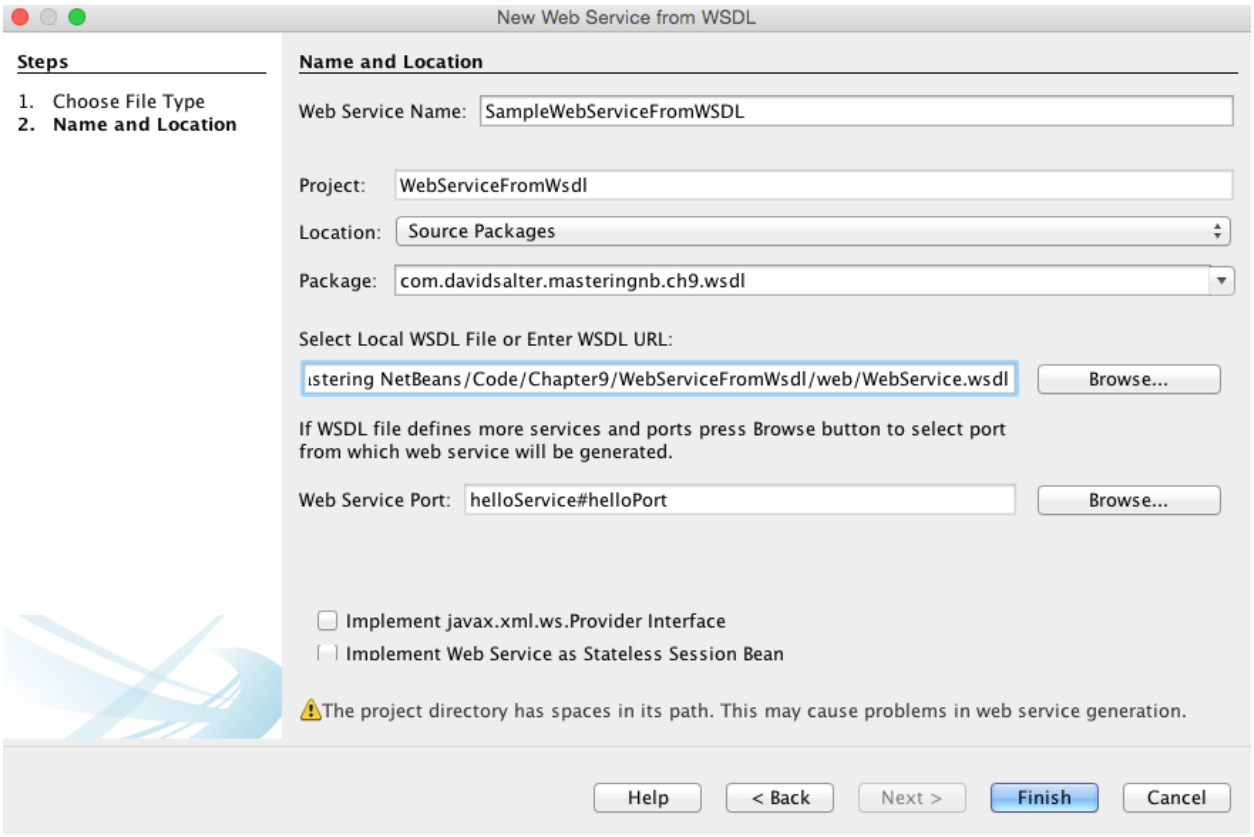
Chapter 9: Creating and Consuming Web Services

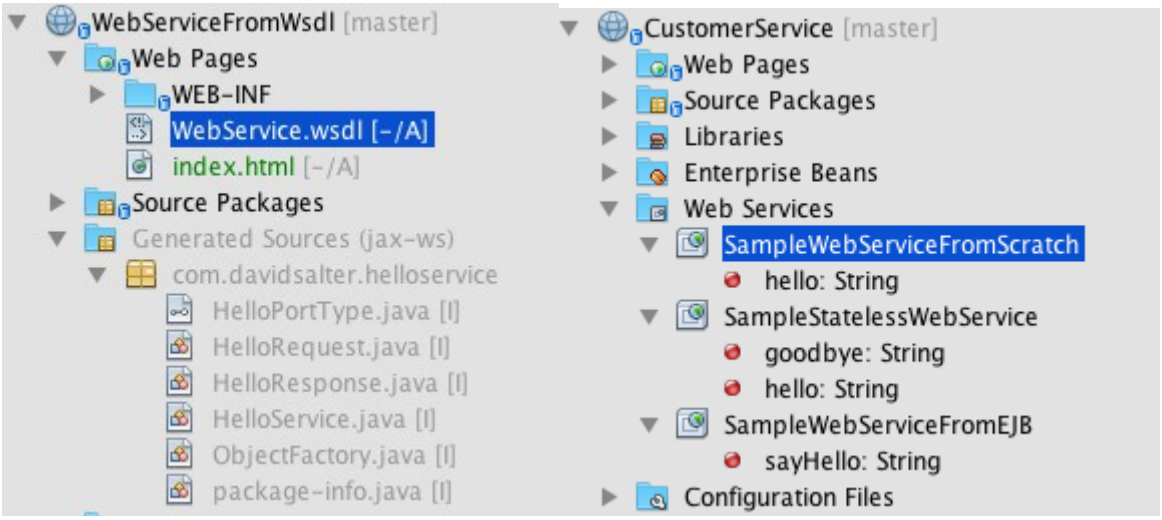

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
CustomerService
Categories:
Persistence
Hibernate
Web Services
Javascript
XML
GlassFish
WebLogic
Other
File Types:
Web Service
Web Service from WSDL
RESTful Web Services from Entity Classes
RESTful Web Services from Patterns
RESTful Web Services from Database
RESTful Java Client
RESTful JavaScript Client
Cross-Origin Resource Sharing Filter
Description:
Creates a skeleton web service. Web services are reusable software components that semantically encapsulate discrete functionality. Web services are accessible over standard protocols such as SOAP. The web
Help
< Back
Next >
Finish
Cancel

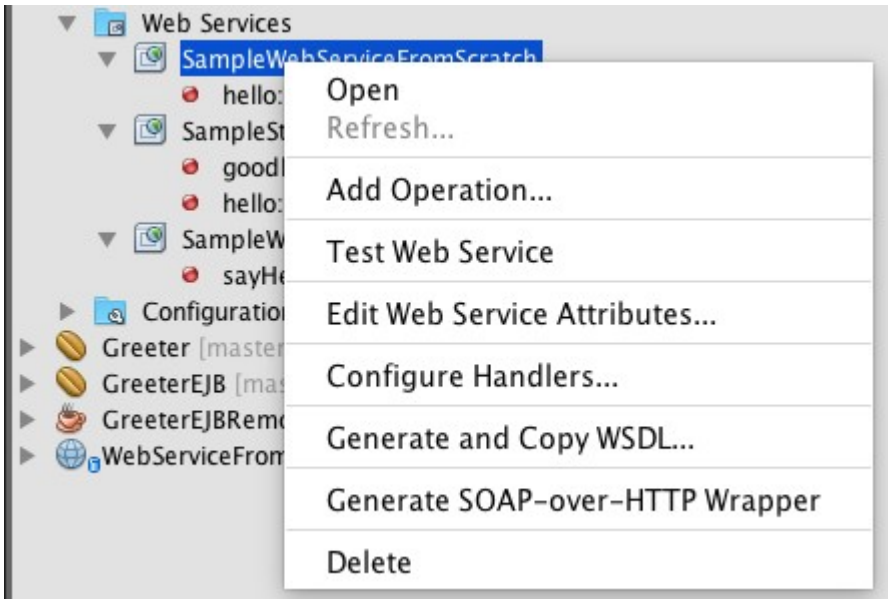

New Web Service
Steps
1. Choose File Type
2. Name and Location
Name and Location
Web Service Name:
SampleWebService
Project:
CustomerService
Location:
Source Packages
Package:
com.davidsalter.masteringnb.soap
Create Web Service from Scratch
Create Web Service from Existing Session Bean
Enterprise Bean:
Browse...
Implement Web Service as Stateless Session Bean
Help
< Back
Next >
Finish
Cancel

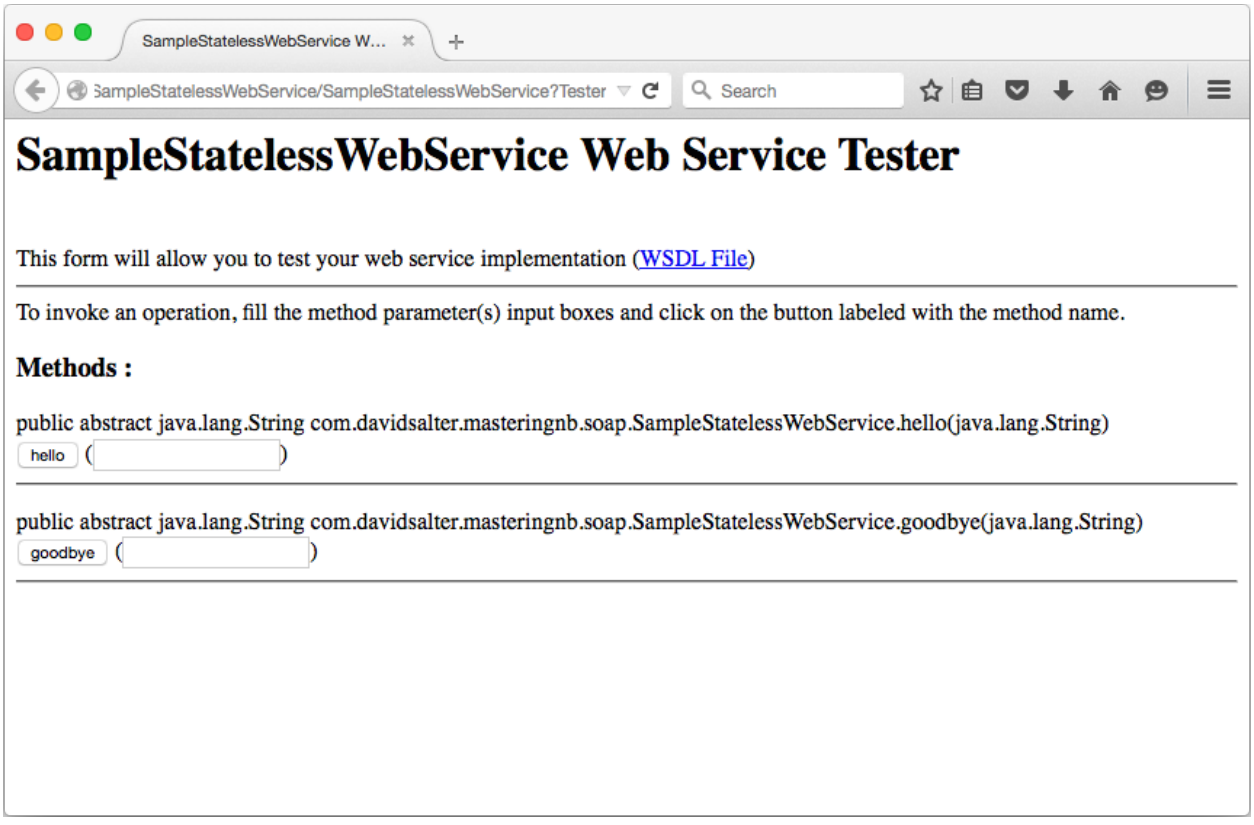

Browse Enterprise Bean
Enterprise Beans:
Enterprise Beans
WelcomeBean
CarService
CustomerService
Enterprise Beans
WelcomeSessionBean
Cancel
OK

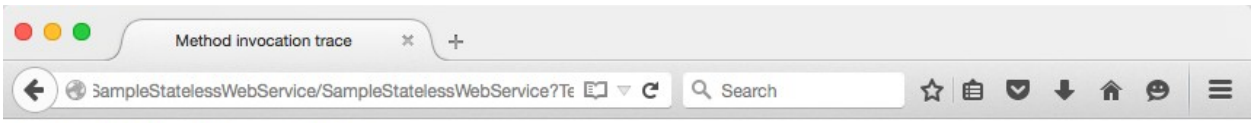

Add Operation
Name:
goodbye
Return Type:
java.lang.String
Browse...
Parameters
Exceptions
Name
Type
Final
name
java.lang.String
Add
Remove
Up
Down
Cancel
OK


New Web Service from WSDL
Steps
1. Choose File Type
2. Name and Location
Name and Location
Web Service Name: SampleWebServiceFromWSDL
Project: WebServiceFromWsdl
Location: Source Packages
Package: com.davidsalter.masteringnb.ch9.wsdl
Select Local WSDL File or Enter WSDL URL:
istering NetBeans/Code/Chapter9/WebServiceFromWsdl/web/WebService.wsdl
Browse...
If WSDL file defines more services and ports press Browse button to select port from which web service will be generated.
Web Service Port: helloService#helloPort
Browse...
Implement javax.xml.ws.Provider Interface
Implement Web Service as Stateless Session Bean
The project directory has spaces in its path. This may cause problems in web service generation.
Help
< Back
Next >
Finish
Cancel


WebServiceFromWsdl [master]
Web Pages
WEB-INF
WebService.wsdl [-/A]
index.html [-/A]
Source Packages
Generated Sources (jax-ws)
com.davidsalter.helloservice
HelloPortType.java [I]
HelloRequest.java [I]
HelloResponse.java [I]
HelloService.java [I]
ObjectFactory.java [I]
package-info.java [I]
CustomerService [master]
Web Pages
Source Packages
Libraries
Enterprise Beans
Web Services
SampleWebServiceFromScratch
hello: String
SampleStatelessWebService
goodbye: String
hello: String
SampleWebServiceFromEJB
sayHello: String
Configuration Files


Web Services
Open
Refresh...
Add Operation...
Test Web Service
Edit Web Service Attributes...
Configure Handlers...
Generate and Copy WSDL...
Generate SOAP-over-HTTP Wrapper
Delete
Greeter
GreeterEJB
WebServiceFrom


SampleStatelessWebService W...
SampleStatelessWebService/SampleStatelessWebService?Tester
Search
SampleStatelessWebService Web Service Tester
This form will allow you to test your web service implementation (WSDL File)
To invoke an operation, fill the method parameter(s) input boxes and click on the button labeled with the method name.
Methods :
public abstract java.lang.String com.davidsalter.masteringnb.soap.SampleStatelessWebService.hello(java.lang.String)
hello ( )
public abstract java.lang.String com.davidsalter.masteringnb.soap.SampleStatelessWebService.goodbye(java.lang.String)
goodbye ( )



hello Method invocation

Method parameter(s)

Type	Value
java.lang.String	David

Method returned

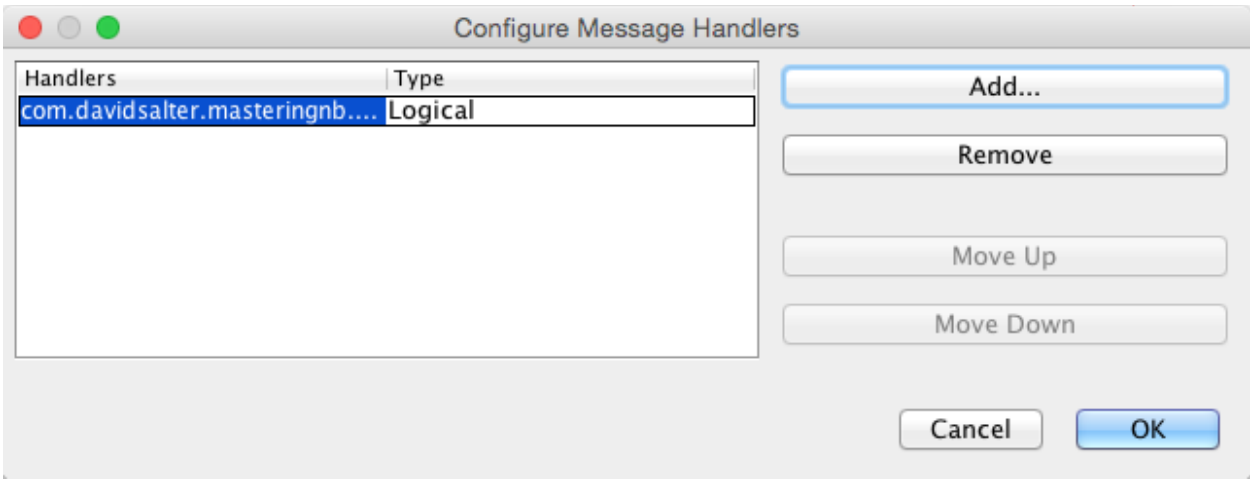
java.lang.String : "**Hello David !**"

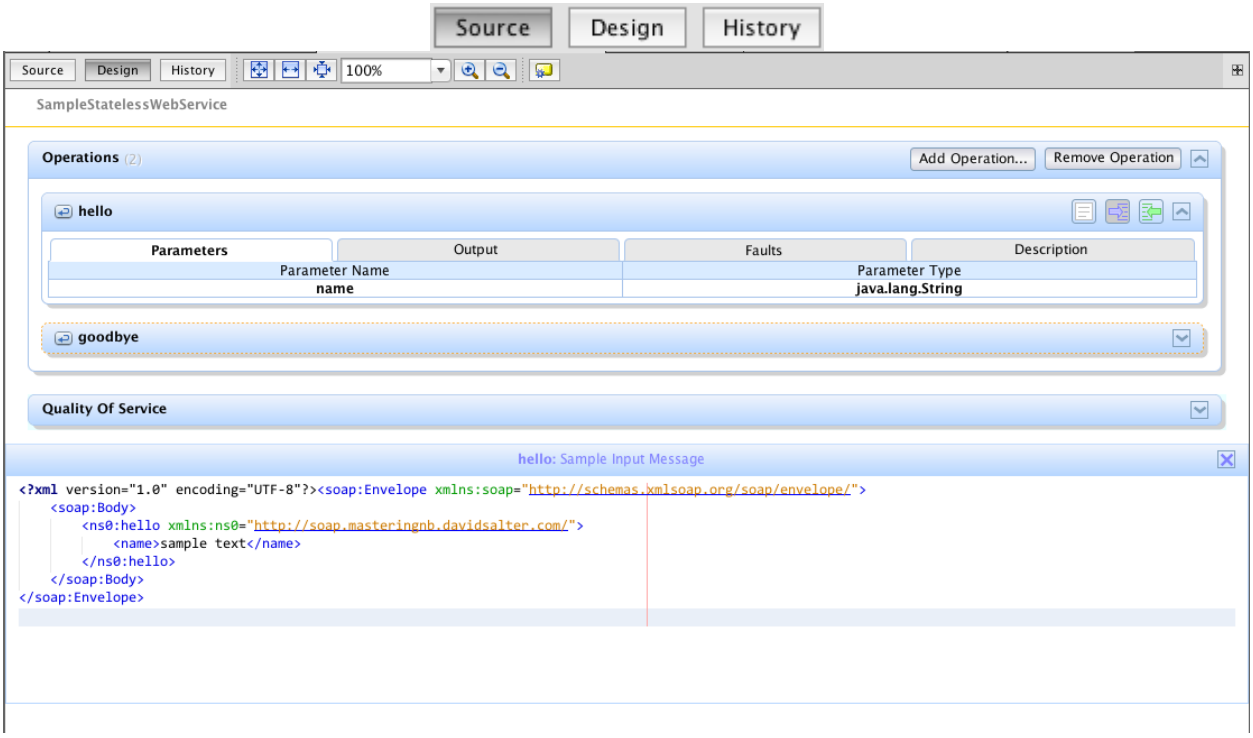
SOAP Request

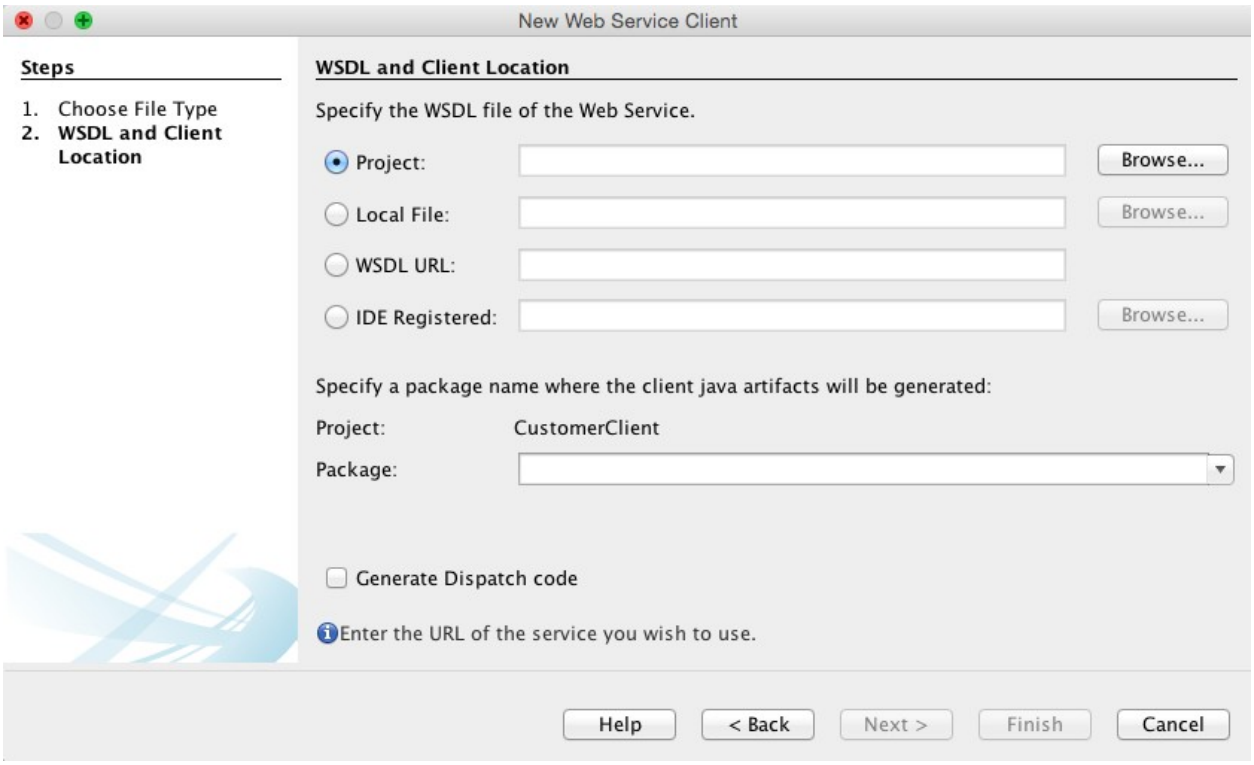
```
<?xml version="1.0" encoding="UTF-8"?><S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/" xm
    <SOAP-ENV:Header/>
    <S:Body>
        <ns2:hello xmlns:ns2="http://soap.masteringnb.davidsalter.com/">
            <name>David</name>
        </ns2:hello>
    </S:Body>
</S:Envelope>
```

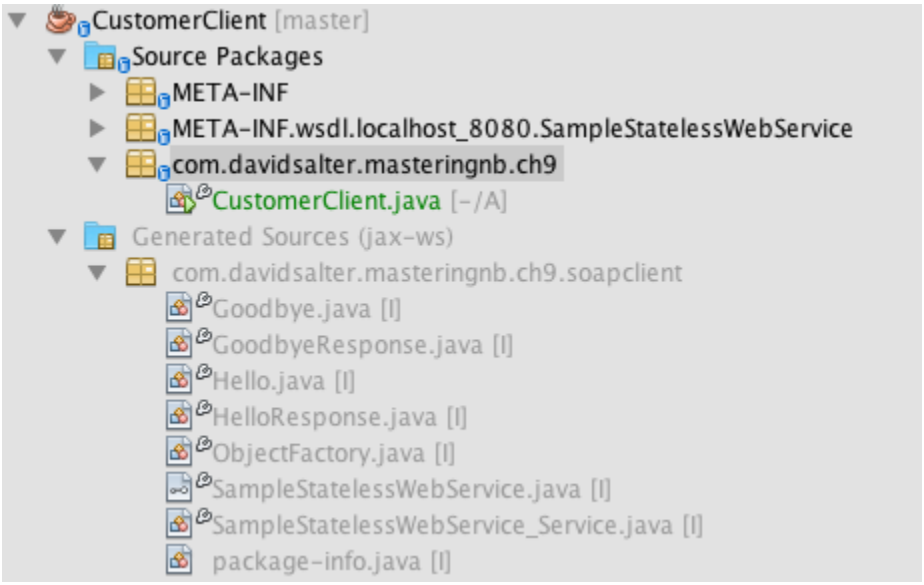
SOAP Response

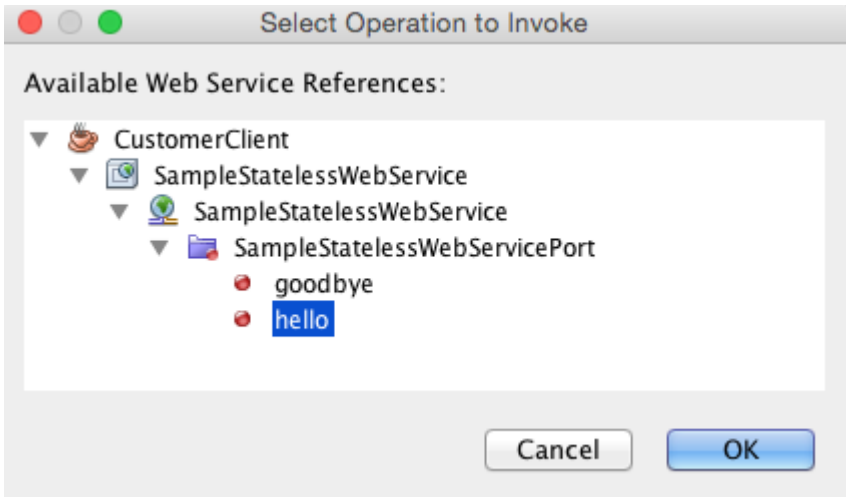
```
<?xml version="1.0" encoding="UTF-8"?><S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/" xm
    <SOAP-ENV:Header/>
    <S:Body>
        <ns2:helloResponse xmlns:ns2="http://soap.masteringnb.davidsalter.com/">
            <return>Hello David !</return>
        </ns2:helloResponse>
    </S:Body>
</S:Envelope>
```

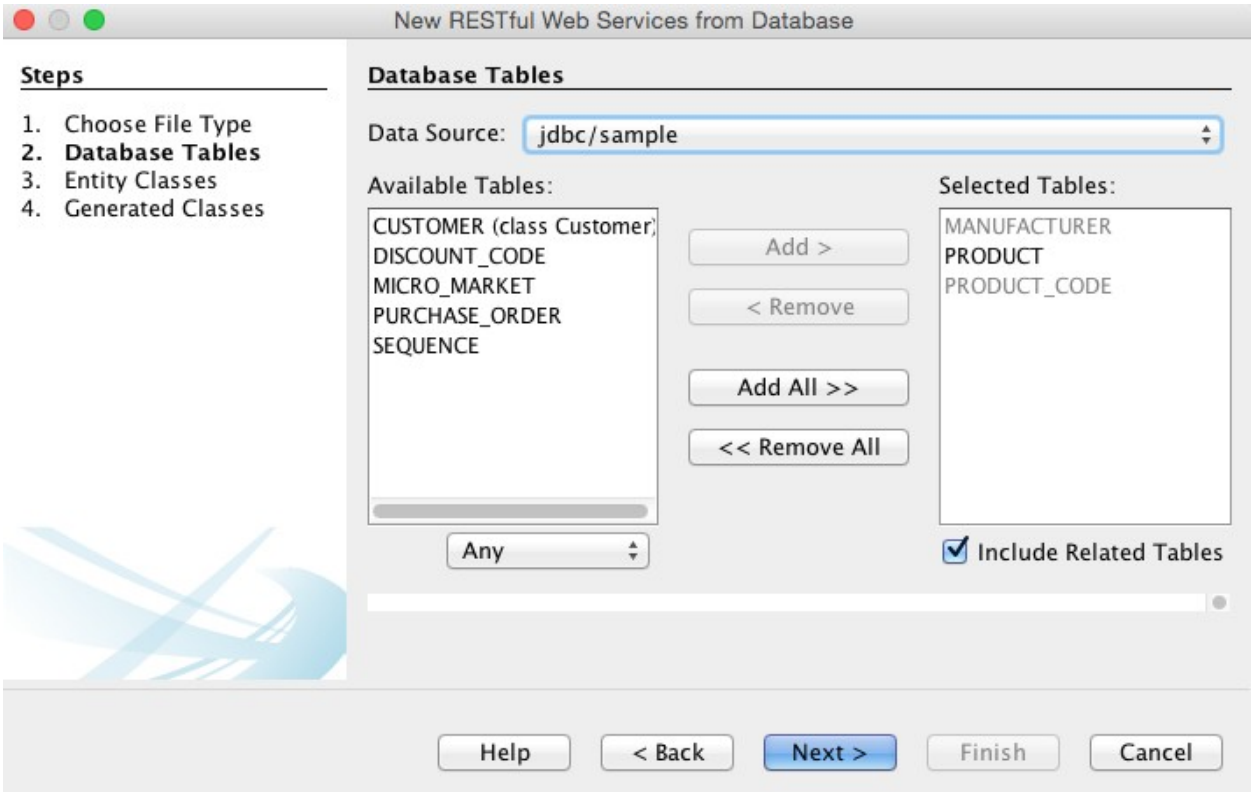

Configure Message Handlers
Handlers
Type
com.davidsalter.masteringnb....
Logical
Add...
Remove
Move Up
Move Down
Cancel
OK

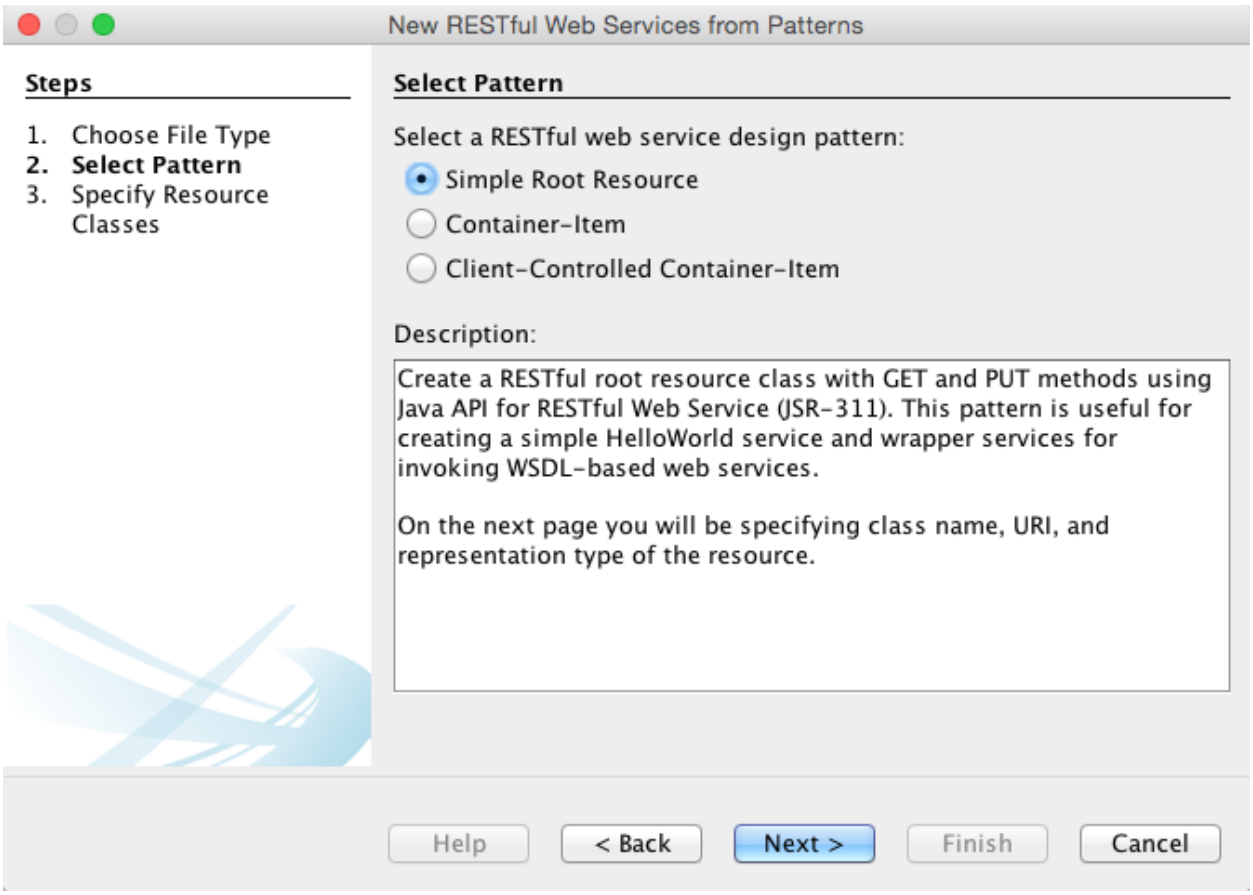

Source
Design
History
Source
Design
History
100%
SampleStatelessWebService
Operations (2)
Add Operation...
Remove Operation
hello
Parameters
Output
Faults
Description
Parameter Name
Parameter Type
name
java.lang.String
goodbye
Quality Of Service
hello: Sample Input Message
<?xml version="1.0" encoding="UTF-8"?><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<ns0:hello xmlns:ns0="http://soap.masteringnb.davidsalter.com/">
<name>sample text</name>
</ns0:hello>
</soap:Body>
</soap:Envelope>

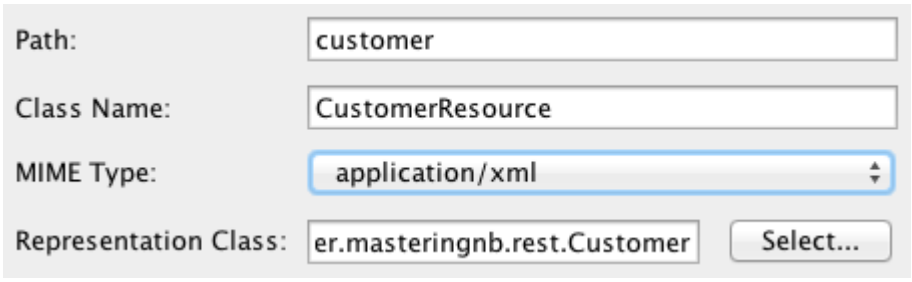

New Web Service Client
Steps
1. Choose File Type
2. WSDL and Client Location
WSDL and Client Location
Specify the WSDL file of the Web Service.
Project:
Browse...
Local File:
Browse...
WSDL URL:
IDE Registered:
Browse...
Specify a package name where the client java artifacts will be generated:
Project:
CustomerClient
Package:
Generate Dispatch code
Enter the URL of the service you wish to use.
Help
< Back
Next >
Finish
Cancel


CustomerClient [master]
Source Packages
META-INF
META-INF.wsdl.localhost_8080.SampleStatelessWebService
com.davidsalter.masteringnb.ch9
CustomerClient.java [-/A]
Generated Sources (jax-ws)
com.davidsalter.masteringnb.ch9.soapclient
Goodbye.java [I]
GoodbyeResponse.java [I]
Hello.java [I]
HelloResponse.java [I]
ObjectFactory.java [I]
SampleStatelessWebService.java [I]
SampleStatelessWebService_Service.java [I]
package-info.java [I]


Select Operation to Invoke
Available Web Service References:
CustomerClient
SampleStatelessWebService
SampleStatelessWebService
SampleStatelessWebServicePort
goodbye
hello
Cancel
OK

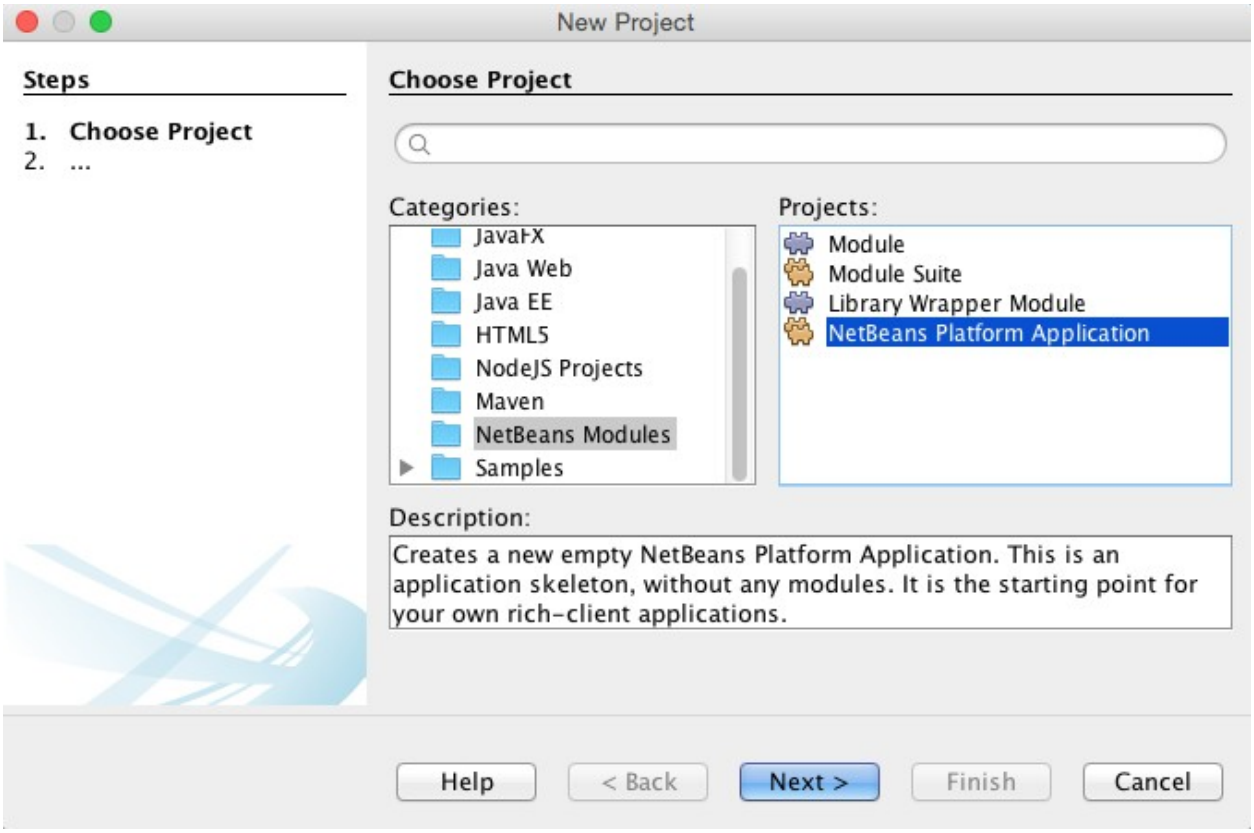

New RESTful Web Services from Database
Steps
1. Choose File Type
2. Database Tables
3. Entity Classes
4. Generated Classes
Database Tables
Data Source: jdbc/sample
Available Tables:
CUSTOMER (class Customer)
DISCOUNT_CODE
MICRO_MARKET
PURCHASE_ORDER
SEQUENCE
Add >
< Remove
Add All >>
<< Remove All
Selected Tables:
MANUFACTURER
PRODUCT
PRODUCT_CODE
Any
Include Related Tables
Help
< Back
Next >
Finish
Cancel

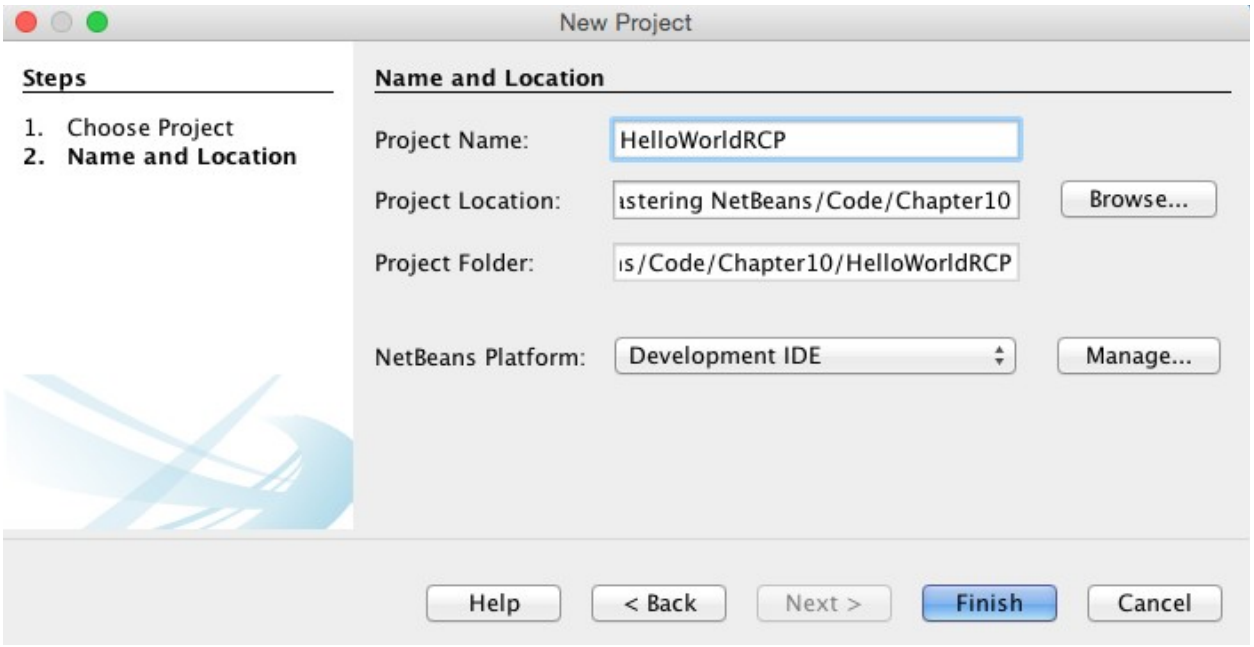

New RESTful Web Services from Patterns
Steps
1. Choose File Type
2. Select Pattern
3. Specify Resource Classes
Select Pattern
Select a RESTful web service design pattern:
Simple Root Resource
Container-Item
Client-Controlled Container-Item
Description:
Create a RESTful root resource class with GET and PUT methods using Java API for RESTful Web Service (JSR-311). This pattern is useful for creating a simple HelloWorld service and wrapper services for invoking WSDL-based web services.
On the next page you will be specifying class name, URI, and representation type of the resource.
Help
< Back
Next >
Finish
Cancel

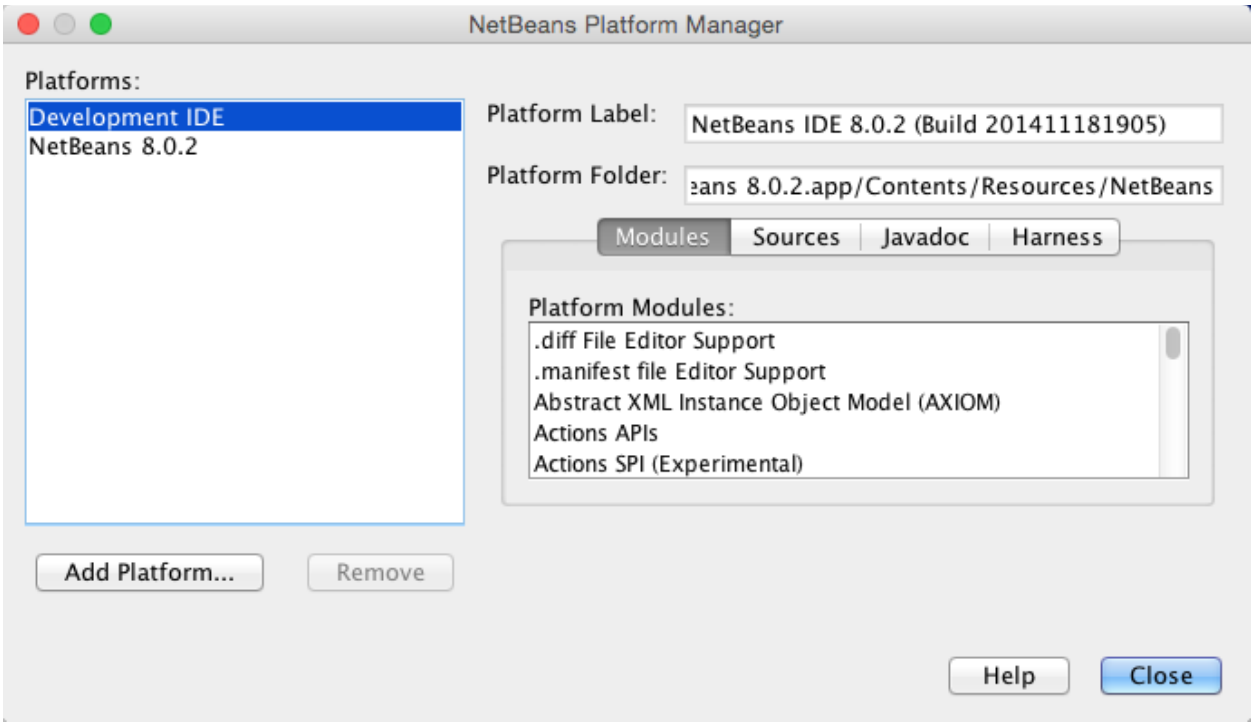

Path:
customer
Class Name:
CustomerResource
MIME Type:
application/xml
Representation Class:
er.masteringnb.rest.Customer
Select...

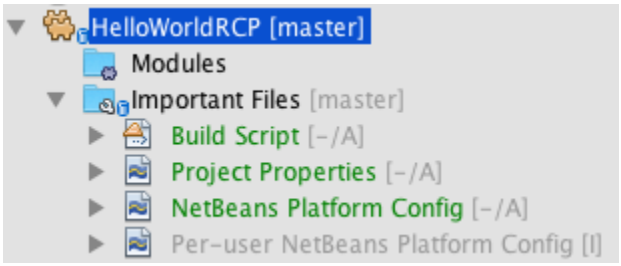
Path:
{id}
Container Path:
/Items
MIME Type:
application/xml
Representation Class:
:r.masteringnb.rest.Customer
Select...
Container Representation Class:
java.lang.String
Select...

Chapter 10: Extending NetBeans

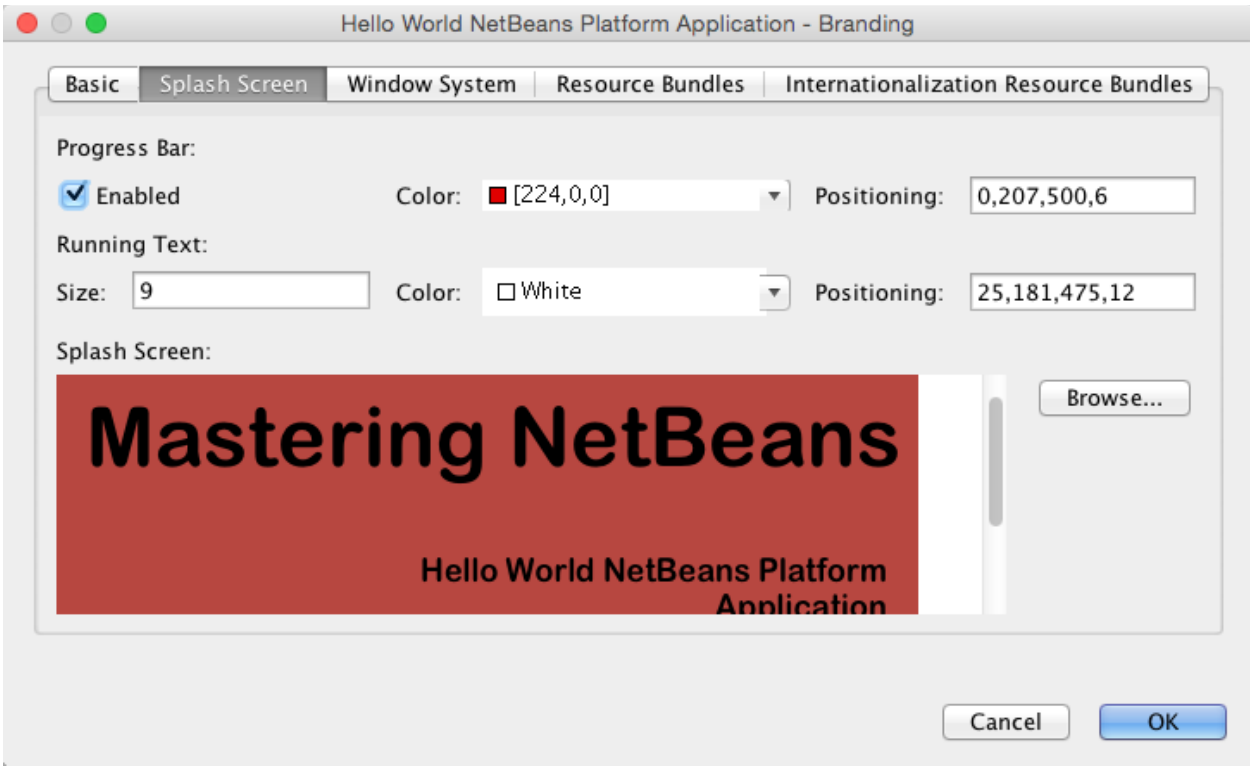


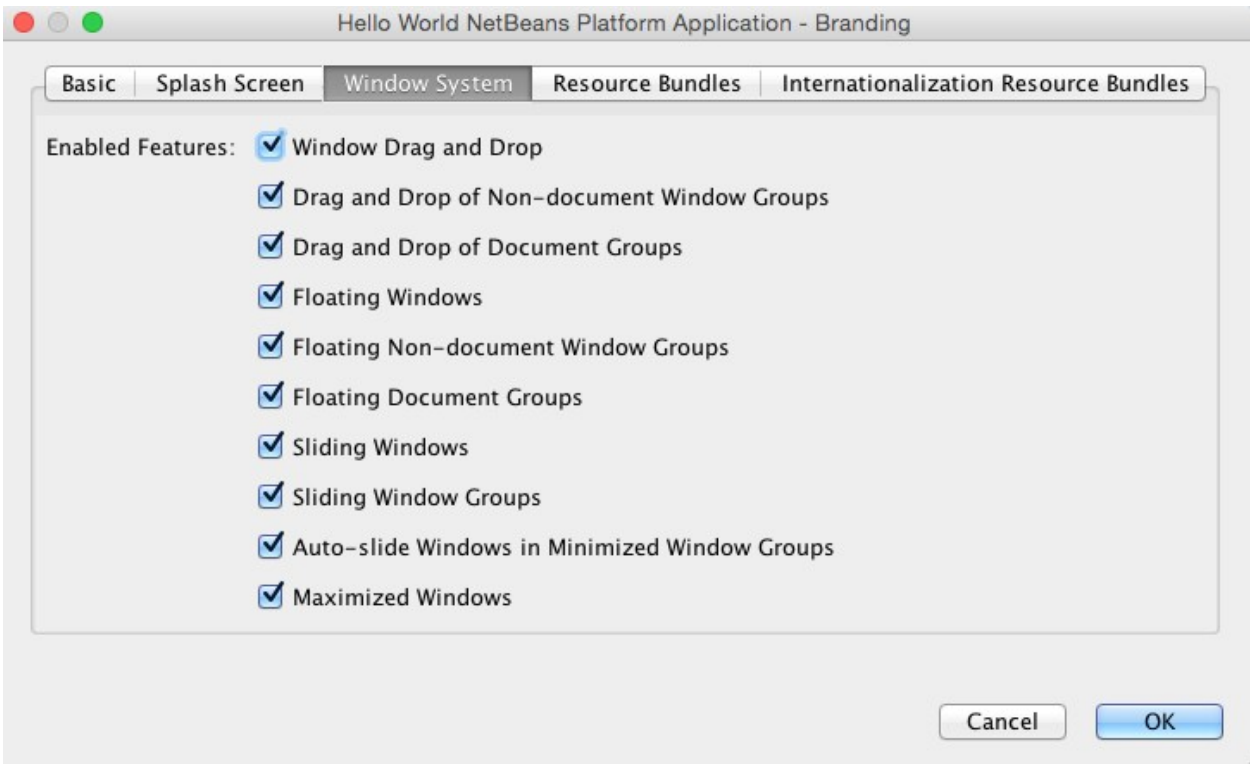


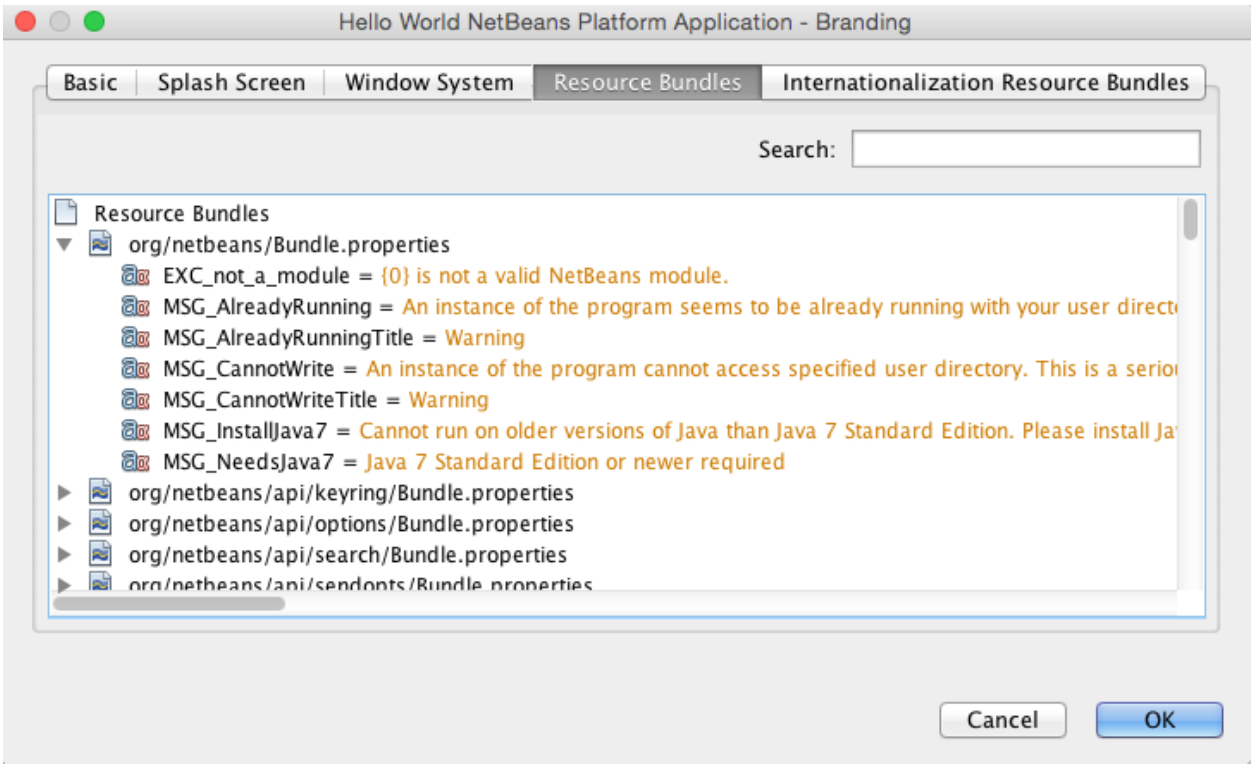

NetBeans Platform Manager
Platforms:
Development IDE
NetBeans 8.0.2
Platform Label:
NetBeans IDE 8.0.2 (Build 201411181905)
Platform Folder:
eans 8.0.2.app/Contents/Resources/NetBeans
Modules
Sources
Javadoc
Harness
Platform Modules:
.diff File Editor Support
.manifest file Editor Support
Abstract XML Instance Object Model (AXIOM)
Actions APIs
Actions SPI (Experimental)
Add Platform...
Remove
Help
Close

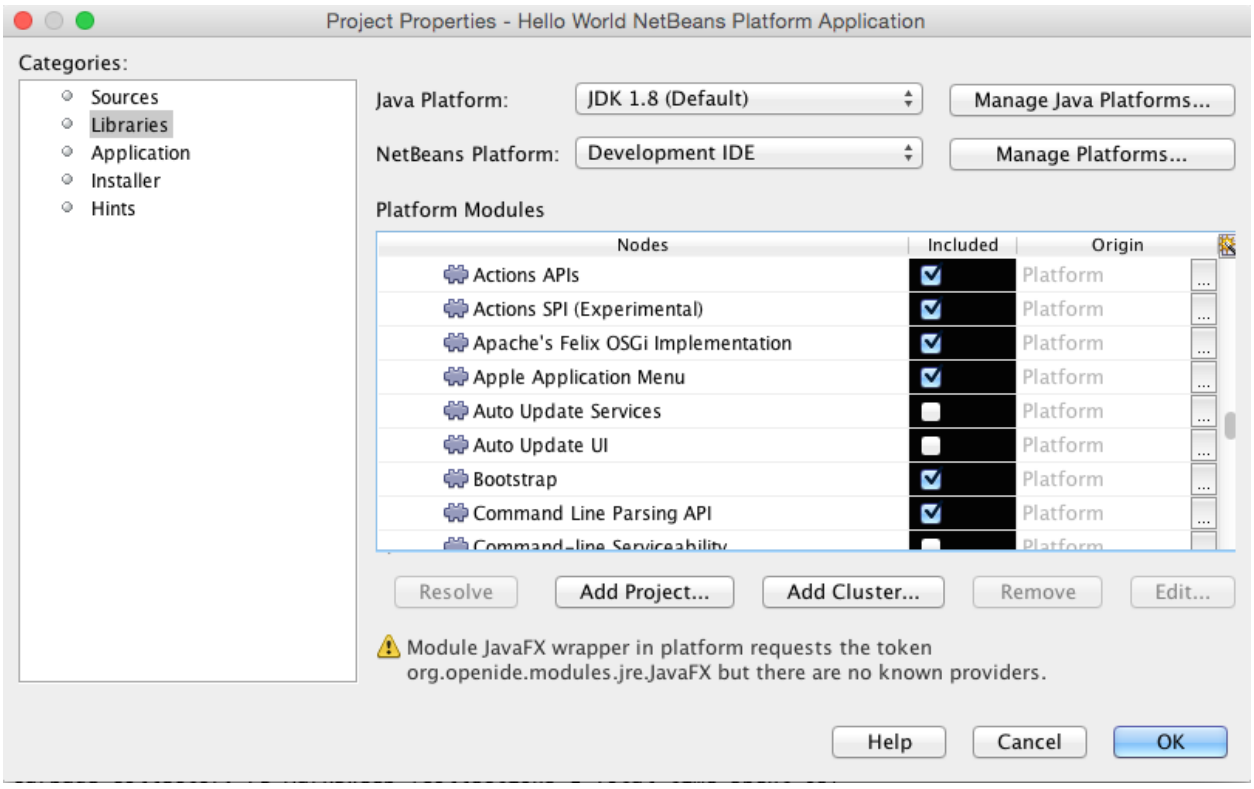

HelloWorldRCP [master]
Modules
Important Files [master]
Build Script [-/A]
Project Properties [-/A]
NetBeans Platform Config [-/A]
Per-user NetBeans Platform Config [I]

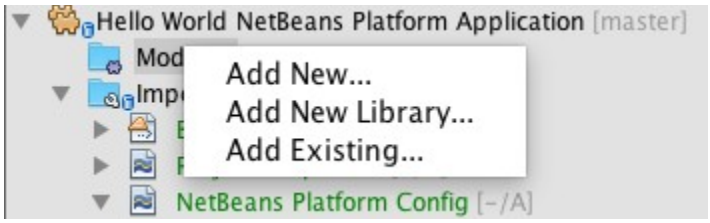
Hello World NetBeans Platform Application - Branding
Basic
Splash Screen
Window System
Resource Bundles
Internationalization Resource Bundles
Application Title:
Mastering NetBeans - Hello World
Application Icon (16x16):
Application Icon (32x32):
Application Icon (48x48):
Browse...
Browse...
Browse...
Cancel
OK

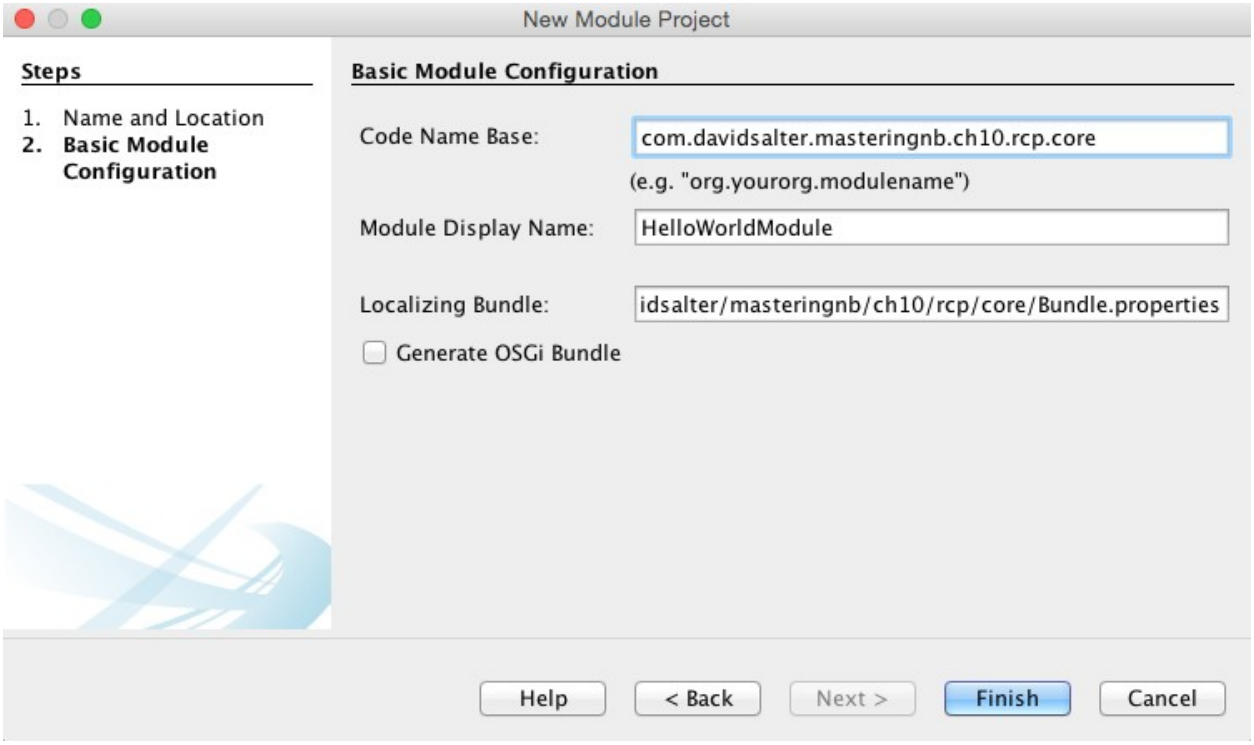

Hello World NetBeans Platform Application - Branding
Basic
Splash Screen
Window System
Resource Bundles
Internationalization Resource Bundles
Progress Bar:
Enabled
Color:
[224,0,0]
Positioning:
0,207,500,6
Running Text:
Size:
9
Color:
White
Positioning:
25,181,475,12
Splash Screen:
Mastering NetBeans
Hello World NetBeans Platform Application
Browse...
Cancel
OK

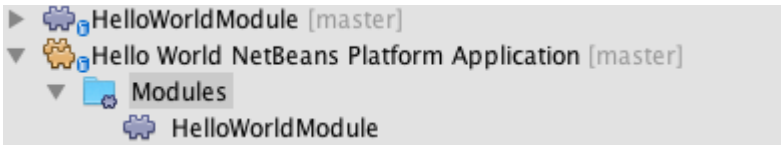

Hello World NetBeans Platform Application - Branding
Basic
Splash Screen
Window System
Resource Bundles
Internationalization Resource Bundles
Enabled Features:
Window Drag and Drop
Drag and Drop of Non-document Window Groups
Drag and Drop of Document Groups
Floating Windows
Floating Non-document Window Groups
Floating Document Groups
Sliding Windows
Sliding Window Groups
Auto-slide Windows in Minimized Window Groups
Maximized Windows
Cancel
OK

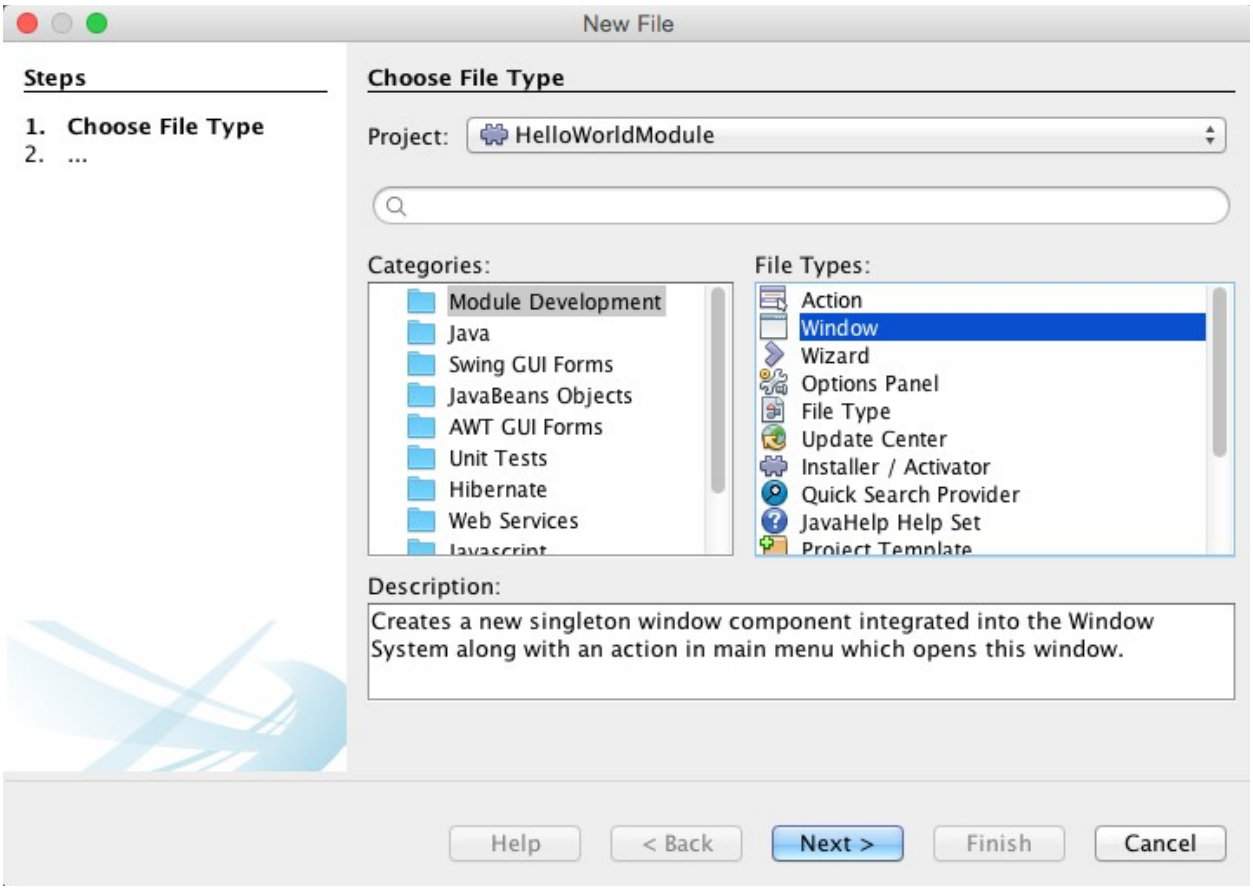

Hello World NetBeans Platform Application - Branding
Basic
Splash Screen
Window System
Resource Bundles
Internationalization Resource Bundles
Search:
Resource Bundles
org/netbeans/Bundle.properties
EXC_not_a_module = {0} is not a valid NetBeans module.
MSG_AlreadyRunning = An instance of the program seems to be already running with your user direct
MSG_AlreadyRunningTitle = Warning
MSG_CannotWrite = An instance of the program cannot access specified user directory. This is a serio
MSG_CannotWriteTitle = Warning
MSG_InstallJava7 = Cannot run on older versions of Java than Java 7 Standard Edition. Please install Ja
MSG_NeedsJava7 = Java 7 Standard Edition or newer required
org/netbeans/api/keyring/Bundle.properties
org/netbeans/api/options/Bundle.properties
org/netbeans/api/search/Bundle.properties
org/netbeans/api/sendopts/Bundle.properties
Cancel
OK

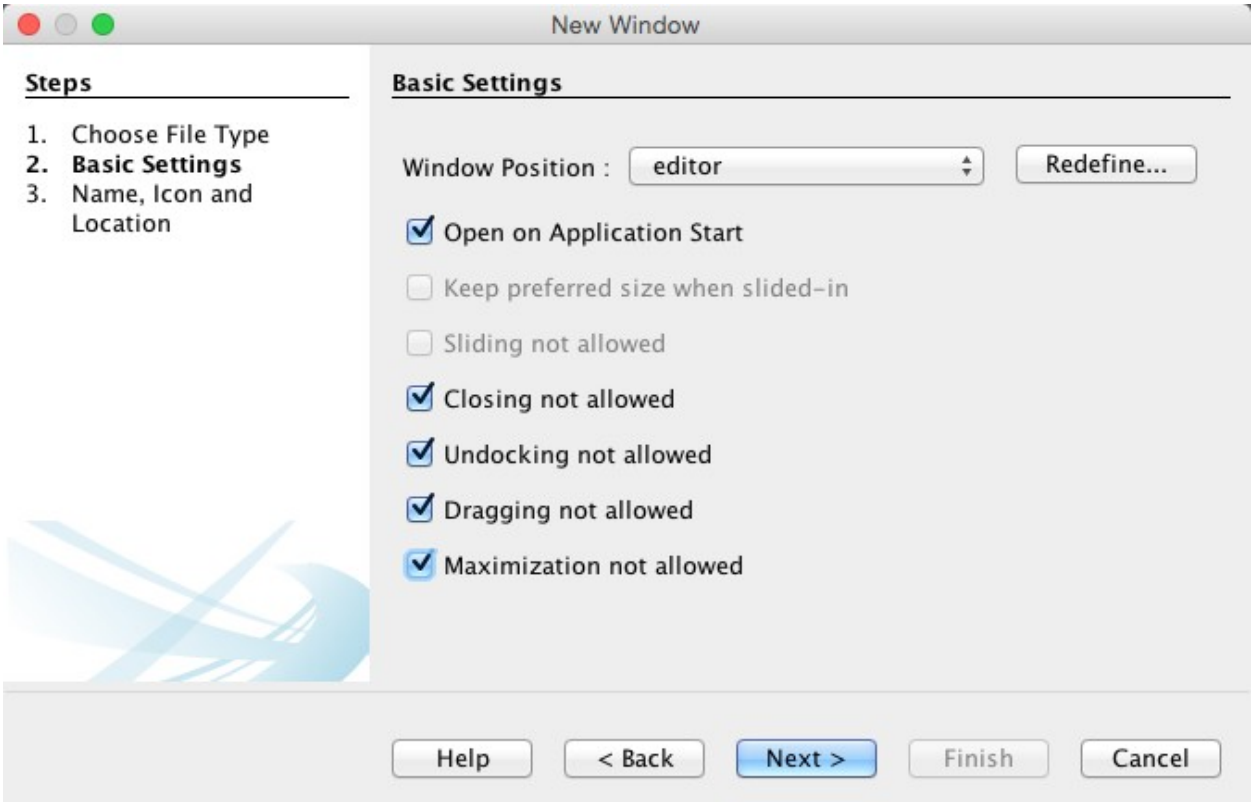

Project Properties - Hello World NetBeans Platform Application
Categories:
Sources
Libraries
Application
Installer
Hints
Java Platform:
JDK 1.8 (Default)
Manage Java Platforms...
NetBeans Platform:
Development IDE
Manage Platforms...
Platform Modules
Nodes
Included
Origin
Actions APIs
Actions SPI (Experimental)
Apache's Felix OSGi Implementation
Apple Application Menu
Auto Update Services
Auto Update UI
Bootstrap
Command Line Parsing API
Platform
Resolve
Add Project...
Add Cluster...
Remove
Edit...
Module JavaFX wrapper in platform requests the token
org.openide.modules.jre.JavaFX but there are no known providers.
Help
Cancel
OK

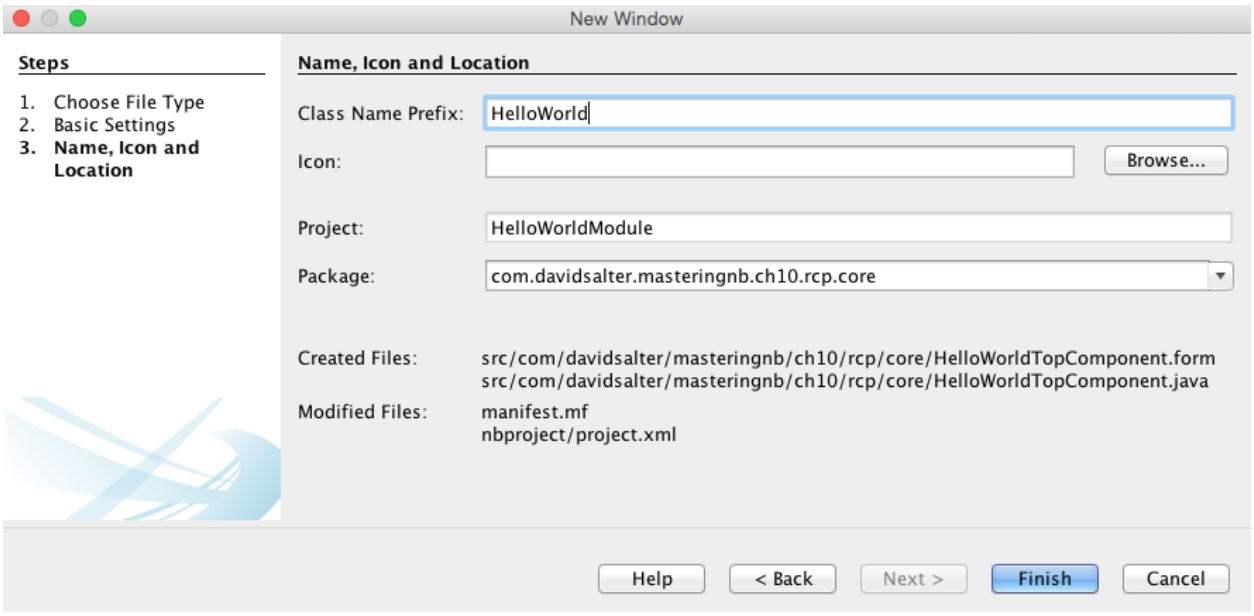

Hello World NetBeans Platform Application [master]
Mod
Add New...
Add New Library...
Add Existing...
NetBeans Platform Config [-/A]

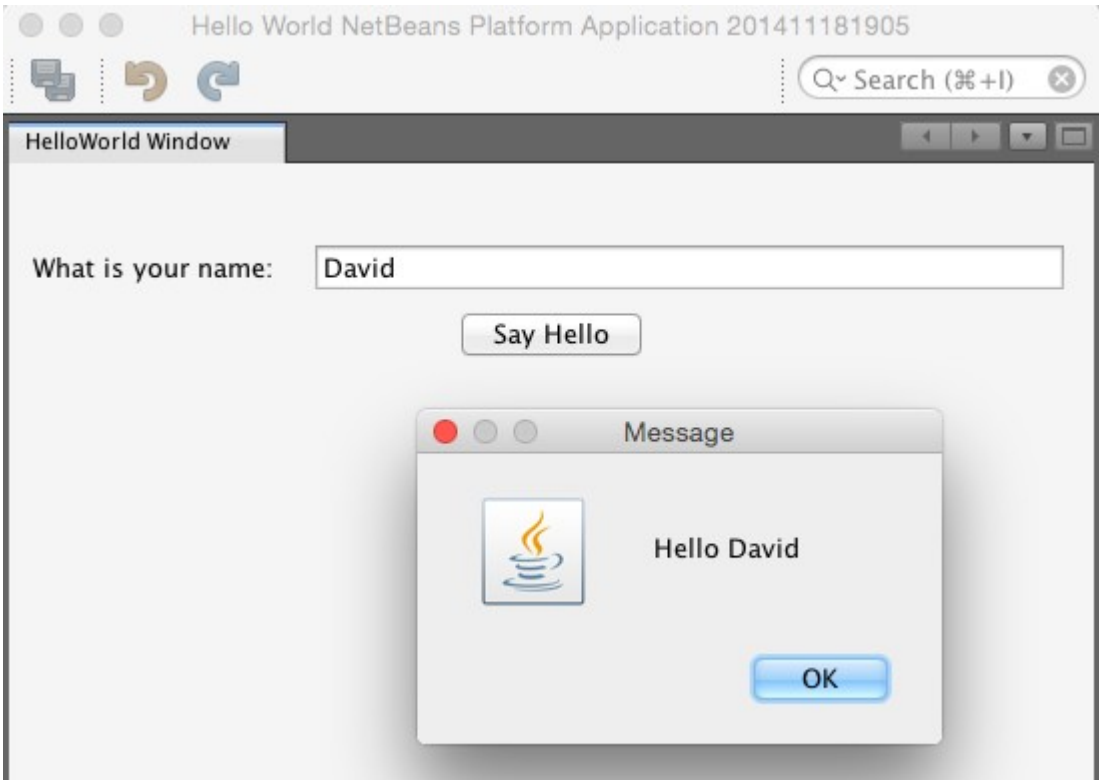

New Module Project
Steps
1. Name and Location
2. Basic Module Configuration
Basic Module Configuration
Code Name Base:
com.davidsalter.masteringnb.ch10.rcp.core
(e.g. "org.yourorg.modulename")
Module Display Name:
HelloWorldModule
Localizing Bundle:
idsalter/masteringnb/ch10/rcp/core/Bundle.properties
Generate OSGi Bundle
Help
< Back
Next >
Finish
Cancel

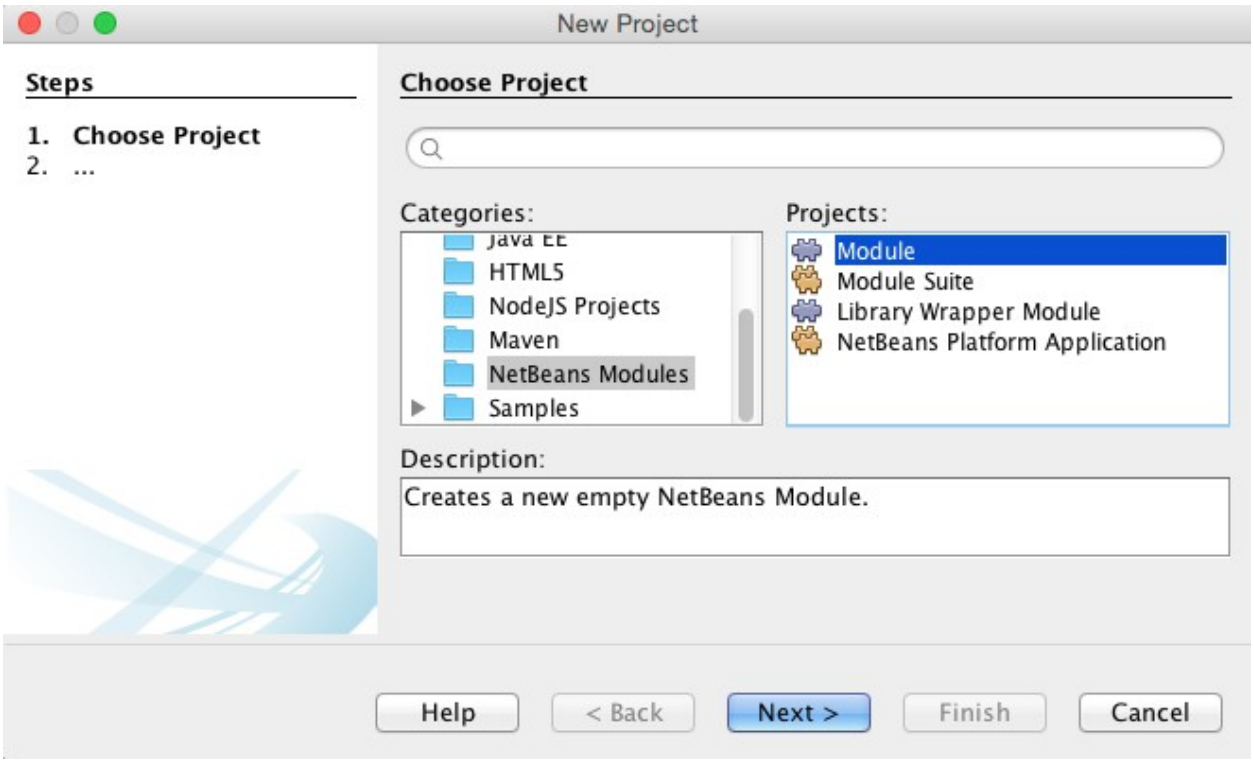

HelloWorldModule [master]
Hello World NetBeans Platform Application [master]
Modules
HelloWorldModule

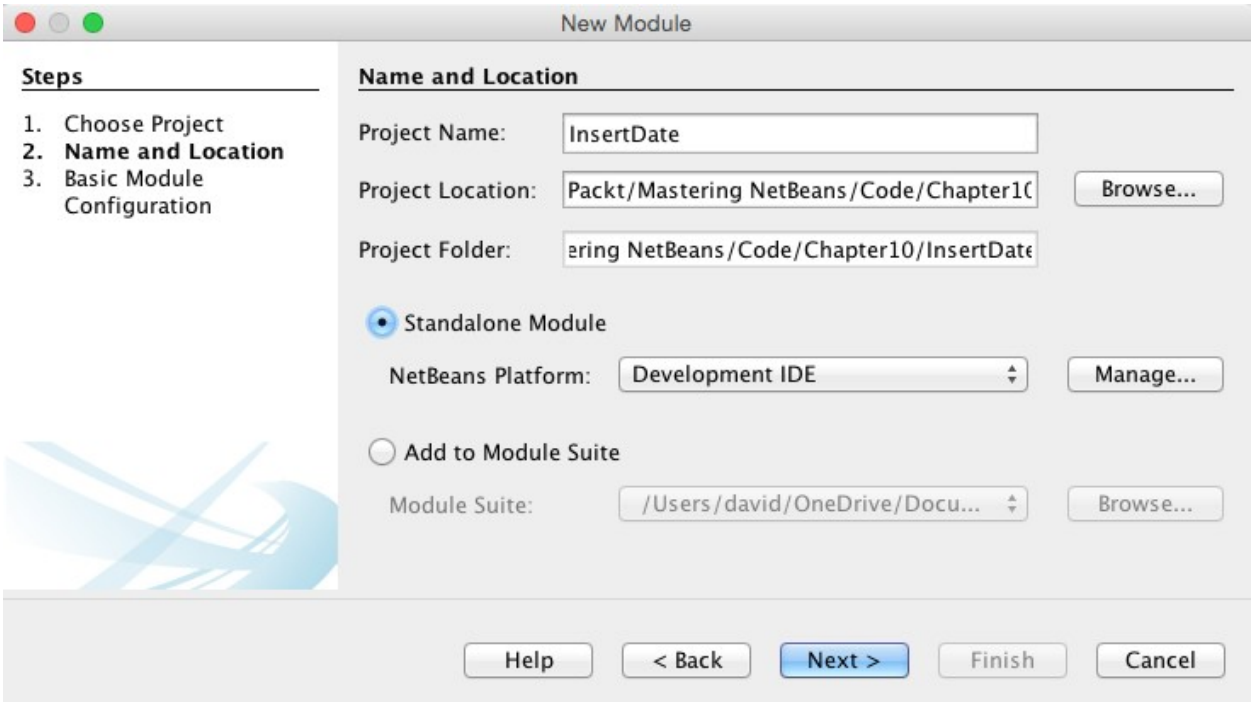

New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project:
HelloWorldModule
Categories:
Module Development
Java
Swing GUI Forms
JavaBeans Objects
AWT GUI Forms
Unit Tests
Hibernate
Web Services
File Types:
Action
Window
Wizard
Options Panel
File Type
Update Center
Installer / Activator
Quick Search Provider
JavaHelp Help Set
Description:
Creates a new singleton window component integrated into the Window System along with an action in main menu which opens this window.
Help
< Back
Next >
Finish
Cancel

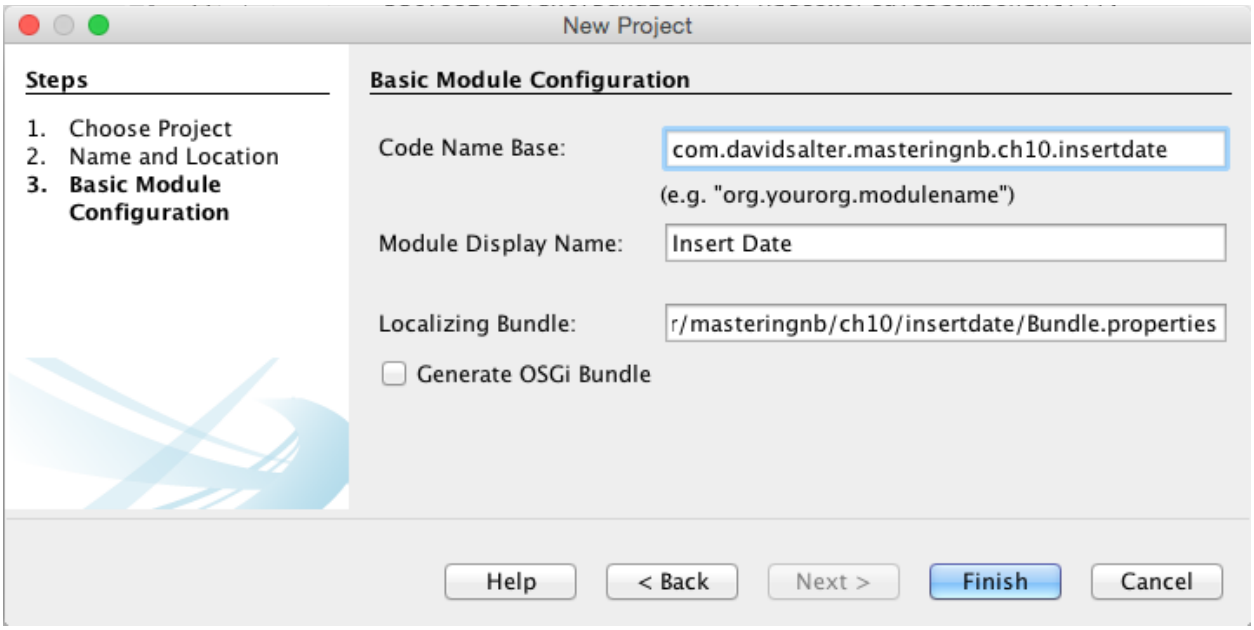

New Window
Steps
1. Choose File Type
2. Basic Settings
3. Name, Icon and Location
Basic Settings
Window Position :
editor
Redefine...
Open on Application Start
Keep preferred size when slided-in
Sliding not allowed
Closing not allowed
Undocking not allowed
Dragging not allowed
Maximization not allowed
Help
< Back
Next >
Finish
Cancel

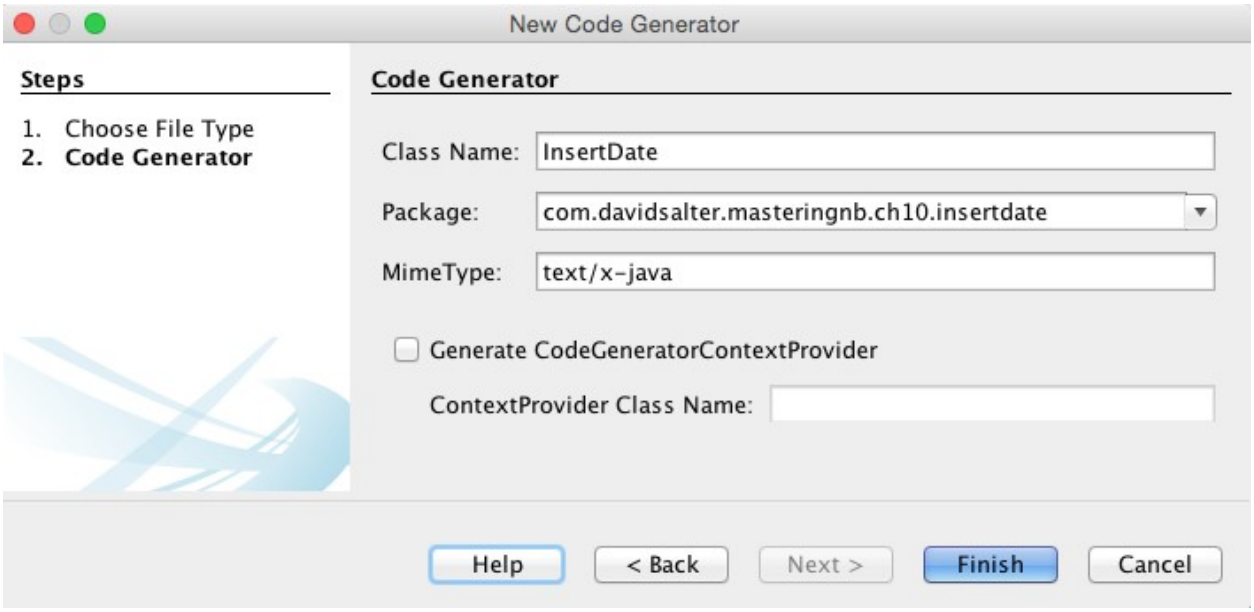

New Window
Steps
1. Choose File Type
2. Basic Settings
3. Name, Icon and Location
Name, Icon and Location
Class Name Prefix:
HelloWorld
Icon:
Browse...
Project:
HelloWorldModule
Package:
com.davidsalter.masteringnb.ch10.rcp.core
Created Files:
src/com/davidsalter/masteringnb/ch10/rcp/core/HelloWorldTopComponent.form
src/com/davidsalter/masteringnb/ch10/rcp/core/HelloWorldTopComponent.java
Modified Files:
manifest.mf
nbproject/project.xml
Help
< Back
Next >
Finish
Cancel

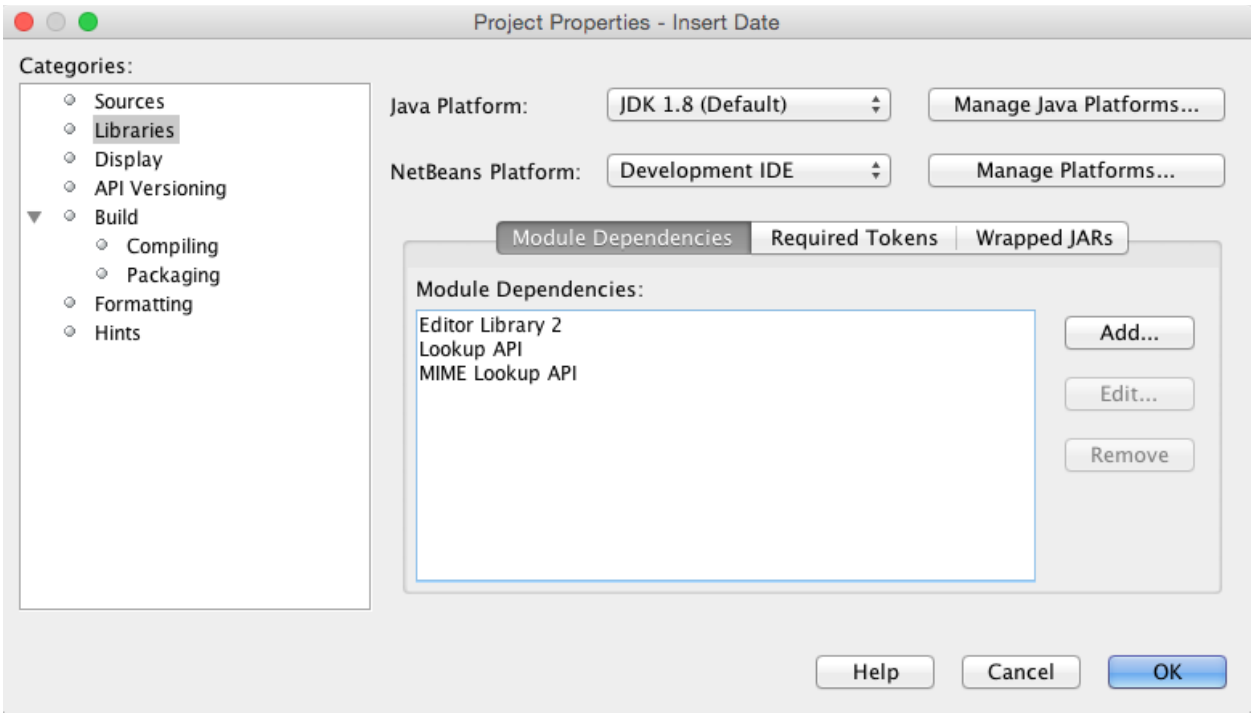

Hello World NetBeans Platform Application 201411181905
Search (⌘+I)
HelloWorld Window
What is your name:
David
Say Hello
Message
Hello David
OK

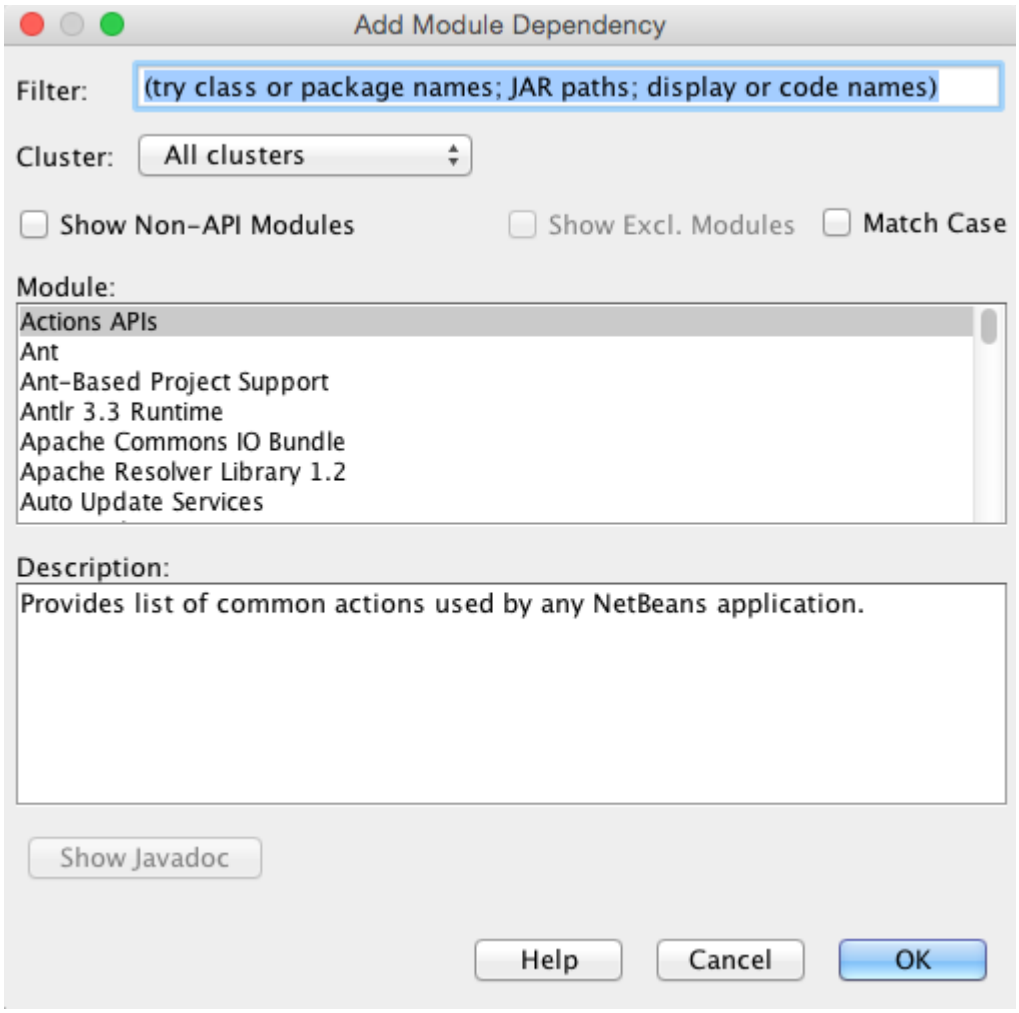

New Project
Steps
1. Choose Project
2. ...
Choose Project
Categories:
Java EE
HTML5
NodeJS Projects
Maven
NetBeans Modules
Samples
Projects:
Module
Module Suite
Library Wrapper Module
NetBeans Platform Application
Description:
Creates a new empty NetBeans Module.
Help
< Back
Next >
Finish
Cancel

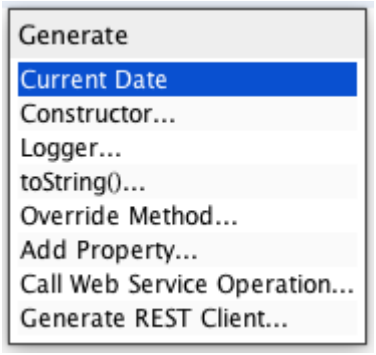

New Module
Steps
1. Choose Project
2. Name and Location
3. Basic Module Configuration
Name and Location
Project Name:
InsertDate
Project Location:
Packt/Mastering NetBeans/Code/Chapter10
Browse...
Project Folder:
ering NetBeans/Code/Chapter10/InsertDate
Standalone Module
NetBeans Platform:
Development IDE
Manage...
Add to Module Suite
Module Suite:
/Users/david/OneDrive/Docu...
Browse...
Help
< Back
Next >
Finish
Cancel


New Project
Steps
1. Choose Project
2. Name and Location
3. Basic Module Configuration
Basic Module Configuration
Code Name Base:
com.davidsalter.masteringnb.ch10.insertdate
(e.g. "org.yourorg.modulename")
Module Display Name:
Insert Date
Localizing Bundle:
r/masteringnb/ch10/insertdate/Bundle.properties
Generate OSGi Bundle
Help
< Back
Next >
Finish
Cancel


New Code Generator
Steps
1. Choose File Type
2. Code Generator
Code Generator
Class Name:
InsertDate
Package:
com.davidsalter.masteringnb.ch10.insertdate
MimeType:
text/x-java
Generate CodeGeneratorContextProvider
ContextProvider Class Name:
Help
< Back
Next >
Finish
Cancel


Project Properties - Insert Date
Categories:
Sources
Libraries
Display
API Versioning
Build
Compiling
Packaging
Formatting
Hints
Java Platform:
JDK 1.8 (Default)
Manage Java Platforms...
NetBeans Platform:
Development IDE
Manage Platforms...
Module Dependencies
Required Tokens
Wrapped JARs
Module Dependencies:
Editor Library 2
Lookup API
MIME Lookup API
Add...
Edit...
Remove
Help
Cancel
OK


Add Module Dependency
Filter:
(try class or package names; JAR paths; display or code names)
Cluster:
All clusters
Show Non-API Modules
Show Excl. Modules
Match Case
Module:
Actions APIs
Ant
Ant-Based Project Support
Antlr 3.3 Runtime
Apache Commons IO Bundle
Apache Resolver Library 1.2
Auto Update Services
Description:
Provides list of common actions used by any NetBeans application.
Show Javadoc
Help
Cancel
OK


Generate
Current Date
Constructor...
Logger...
toString()...
Override Method...
Add Property...
Call Web Service Operation...
Generate REST Client...