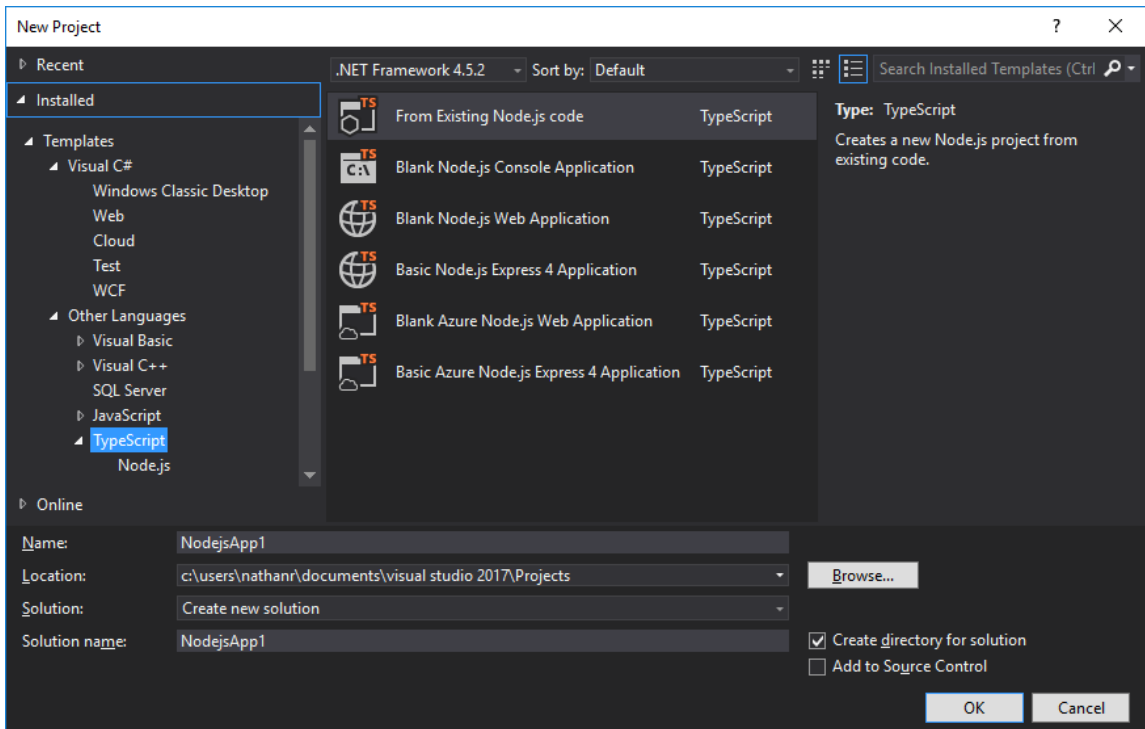
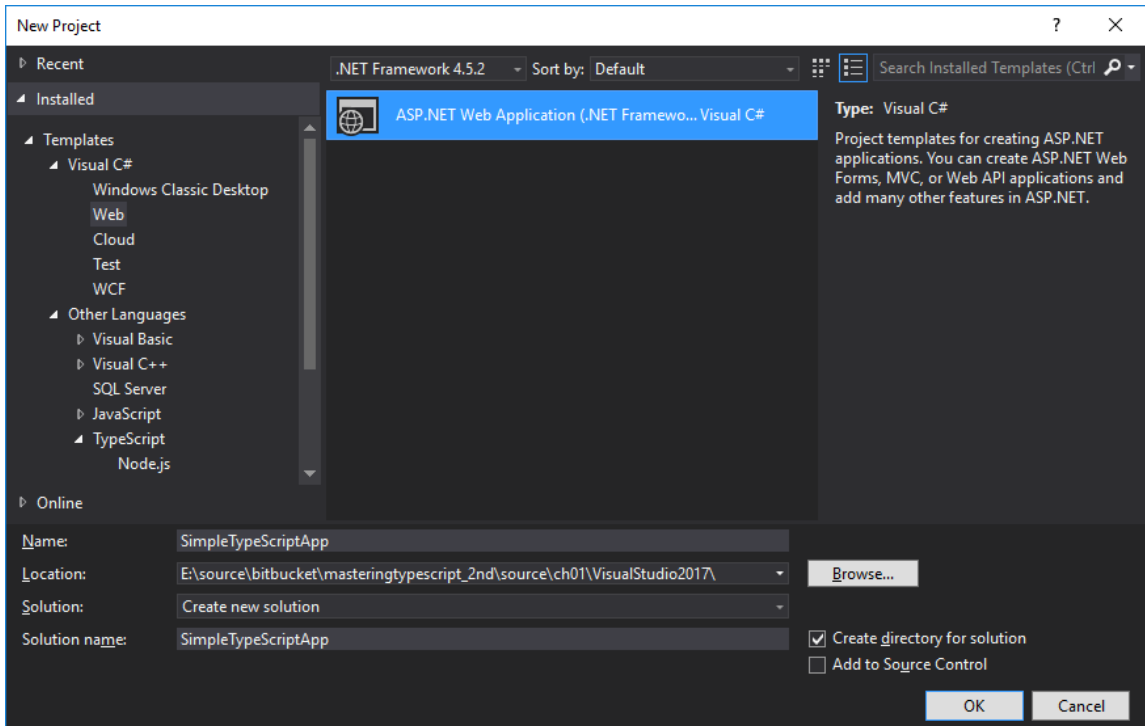


Chapter 1: TypeScript – Tools and Framework Options





Select a template:

ASP.NET 4.5.2 Templates

Empty Web Forms MVC Web API Single Page Application
Azure API App

Add folders and core references for:

- Web Forms
- MVC
- Web API

Add unit tests

Test project name: SimpleTypeScriptApp.Tests

An empty project template for creating ASP.NET applications. This template does not have any content in it.

[Learn more](#)

Change Authentication

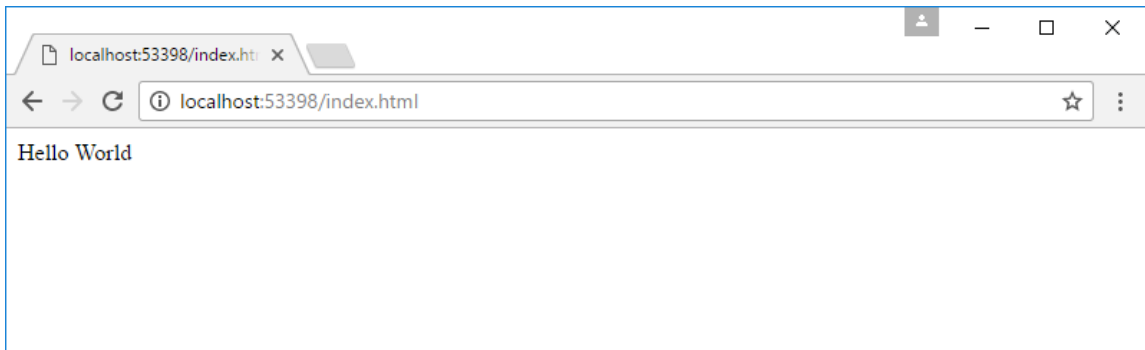
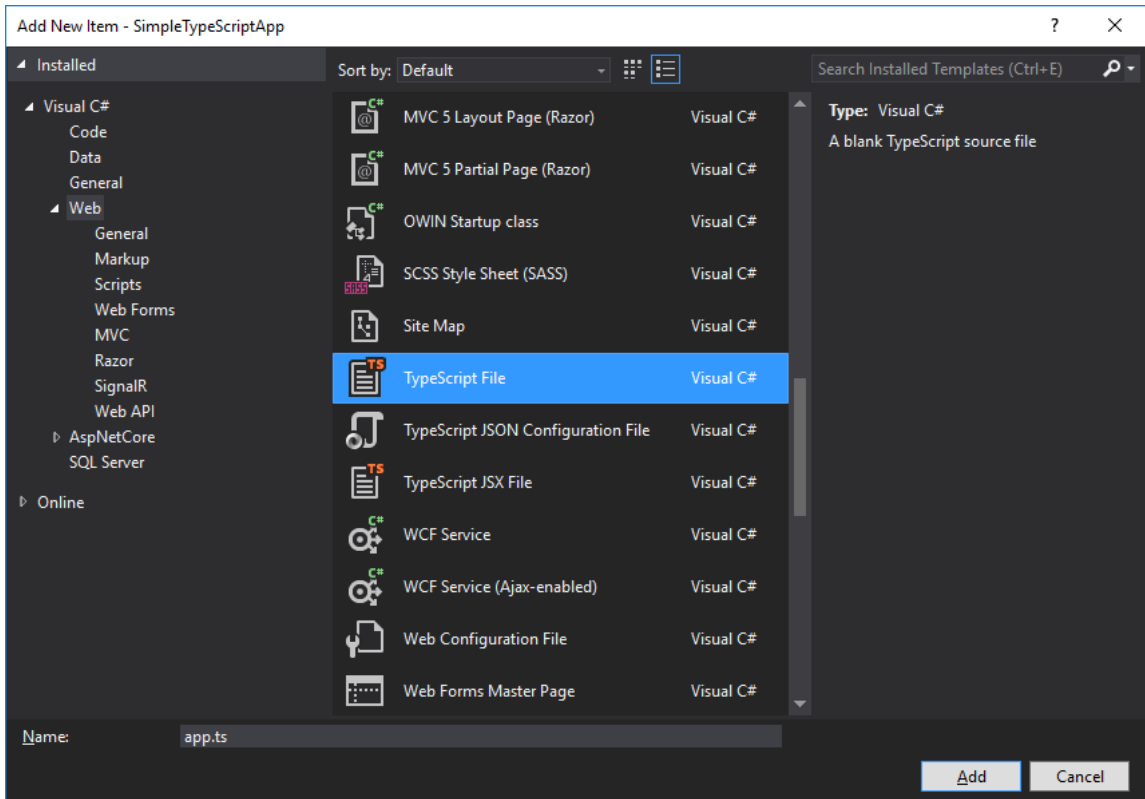
Authentication: No Authentication

Microsoft Azure

Host in the cloud

App Service

OK Cancel

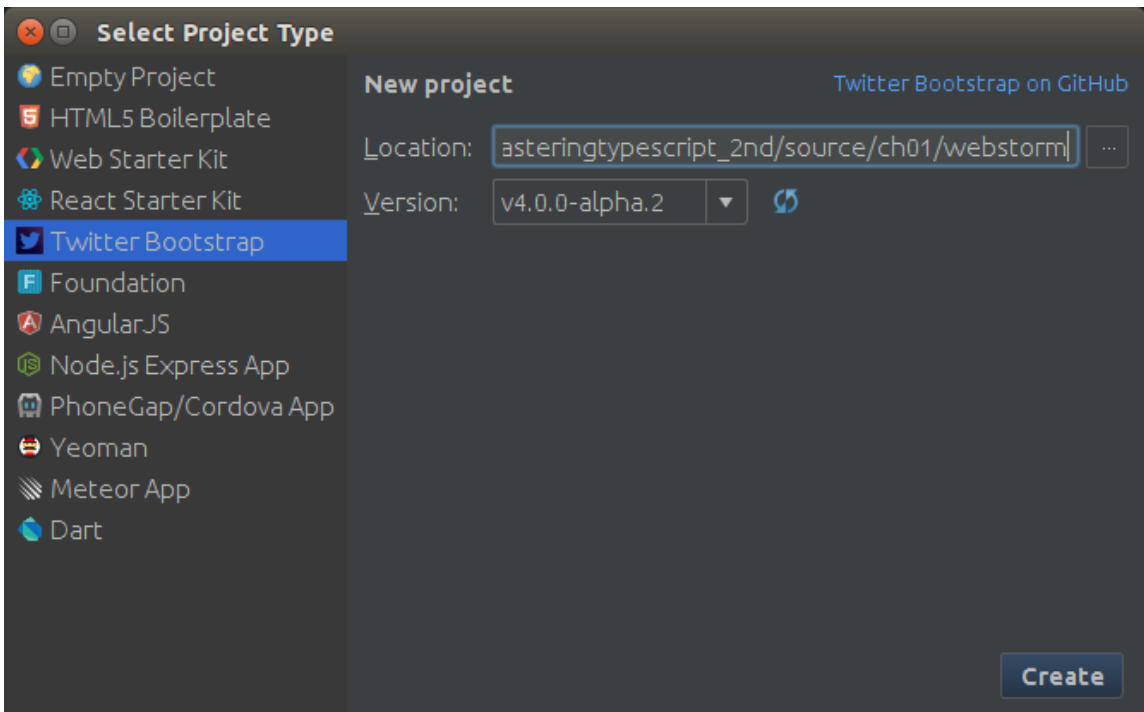


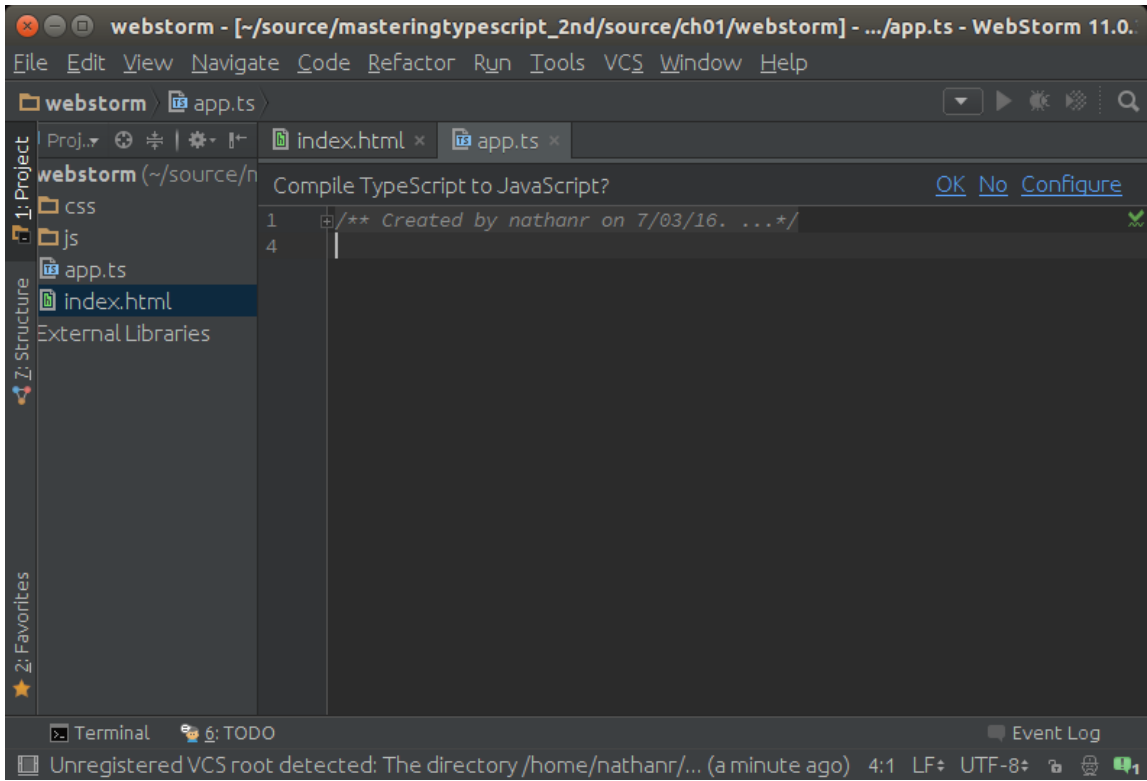
The screenshot shows the Visual Studio Code editor with a file named `app.ts` open. The code defines a `MyClass` with a `render` method and a `window.onload` event listener. The `render` method takes `divId` and `text` as parameters, finds an element by ID, and sets its inner text. The `onload` event listener creates a new `MyClass` instance and calls its `render` method with "content" and "Hello World".

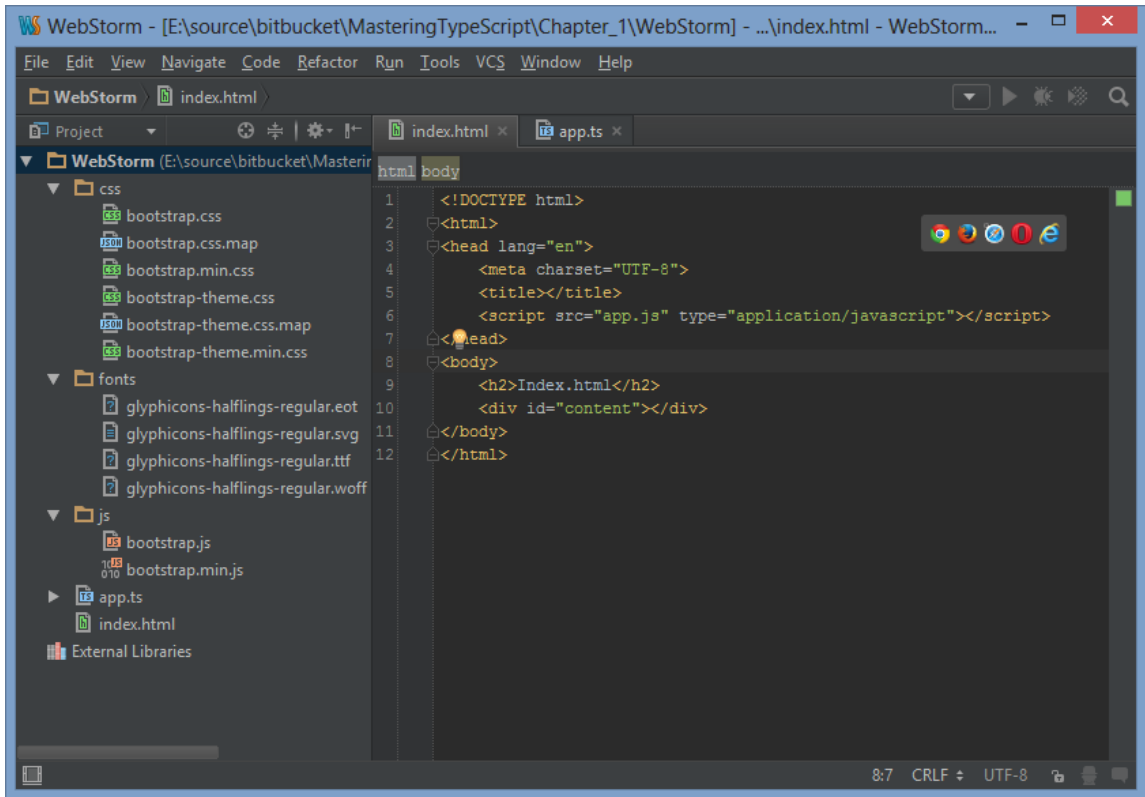
```
1 class MyClass {
2     public render(divId: string, text: string) {
3         var el: HTMLElement = document.getElementById(divId);
4         el.innerText = text;
5     }
6 }
7
8 window.onload = () => {
9     var myClass = new MyClass();
10    myClass.render("content", "Hello World");
11};
```

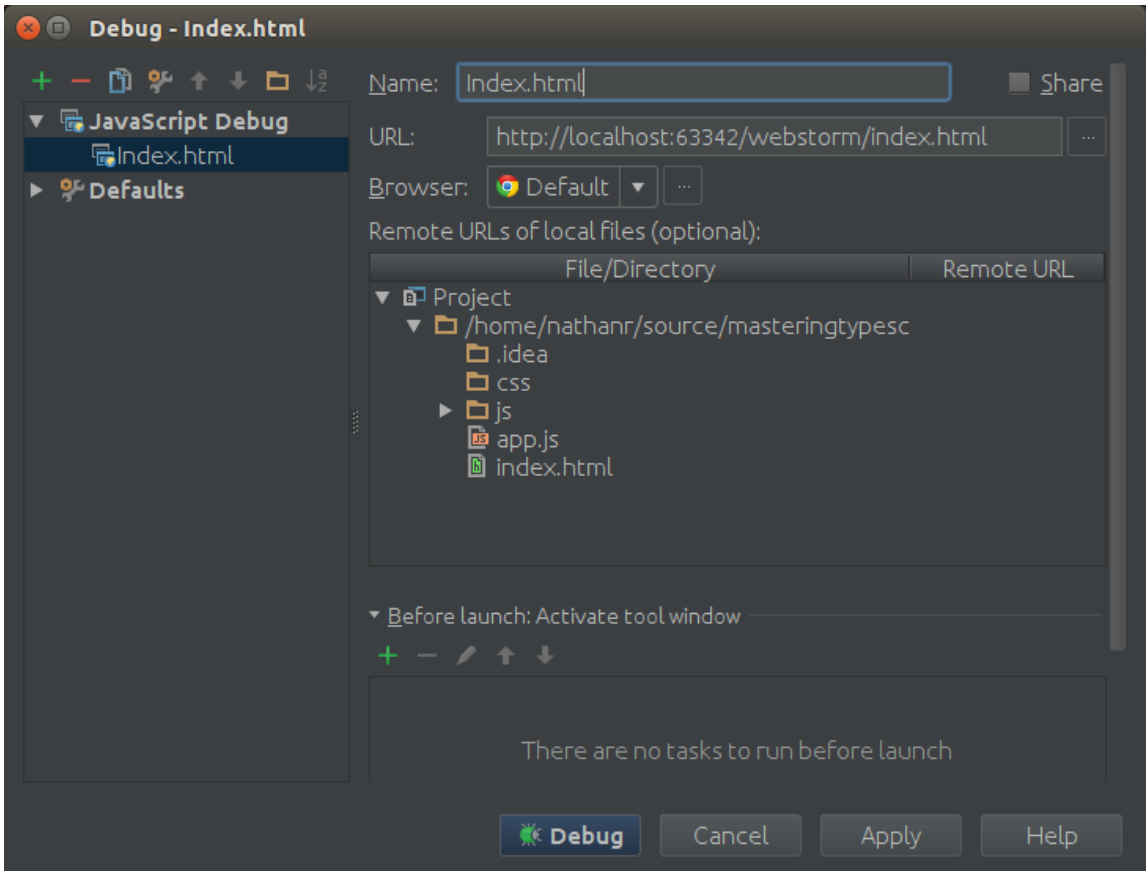
This screenshot shows the Visual Studio Code interface with the `app.ts` file open. The `Run and Debug` toolbar is visible, and the `Internet Explorer` button is right-clicked, opening a context menu. The menu options include `Internet Explorer`, `Firefox`, `Google Chrome`, `Internet Explorer` (checked), `Microsoft Edge`, `Browse With...`, and `More Emulators...`. The status bar at the bottom shows the current file is `masteringtypescript_2nd` on the `master` branch.

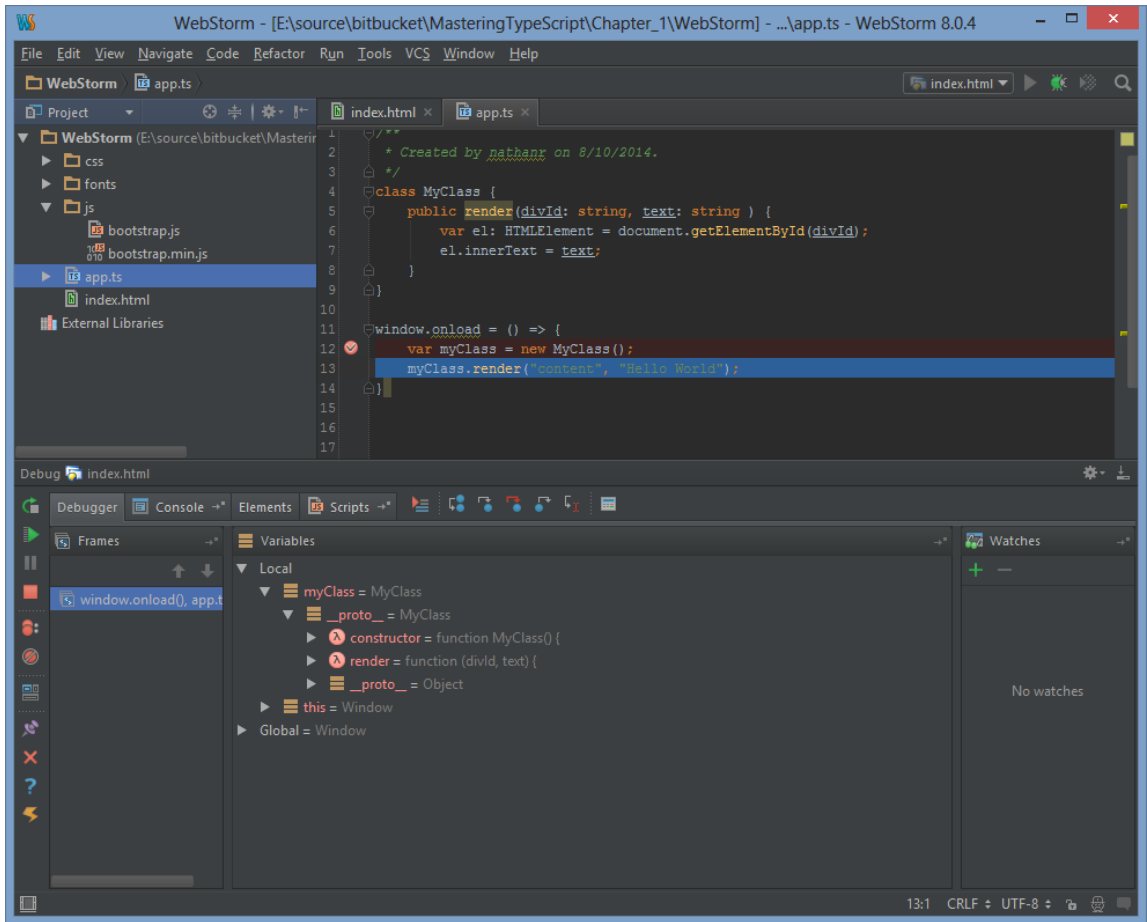
```
1 class MyClass {
2     public render(divId: string, text: string) {
3         var el: HTMLElement = document.getElementById(divId);
4         el.innerText = text;
5     }
6 }
7
8 window.onload = () => {
9     var myClass = new MyClass();
10    myClass.render("content", "Hello World");
11};
```

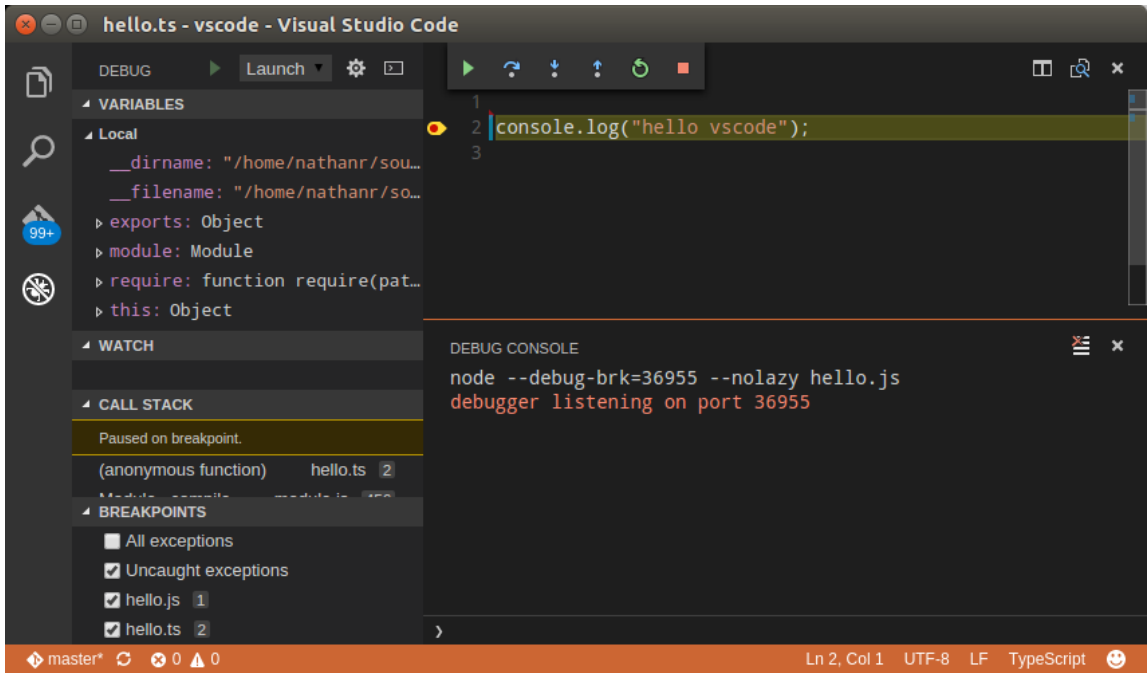












helloworld.ts - vscode - Visual Studio Code

DEBUG Attach 9222 helloworld.ts

```
1 window.onload = () => {
2   console.log("hello vscode");
3 };
4
```

VARIABLES

- Local
 - this: Window
 - alert: function alert() { ... }
 - AnalyserNode: function Analy...
 - AnimationEvent: function Ani...
 - AppBannerPromptResult: funct...
 - applicationCache: Applicatio...
 - ApplicationCache: function A...
 - ApplicationCacheErrorEvent: ...
 - Array: function Array() { ... }
 - ArrayBuffer: function ArrayB...

WATCH

CALL STACK

Paused on breakpoint.

window.onload helloworld.ts 2

BREAKPOINTS

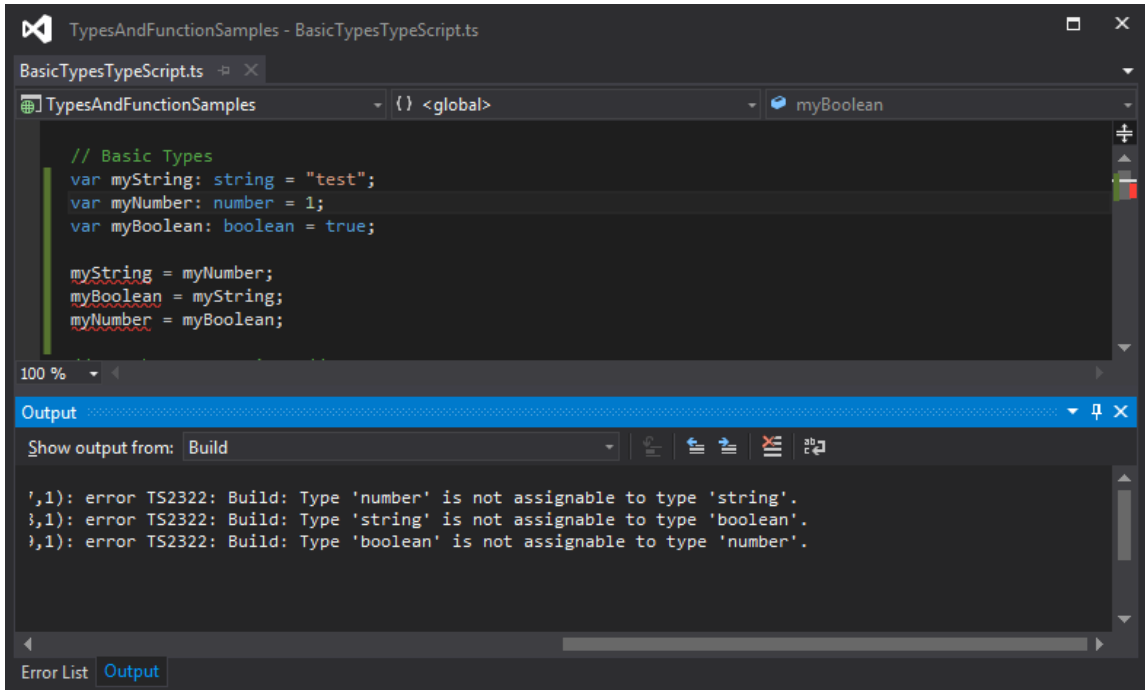
- All exceptions
- Uncaught exceptions
- hello.js 2
- helloworld.ts 2

DEBUG CONSOLE

```
hello vscode
hello vscode
```

master+ 0 0 Ln 4, Col 1 UTF-8 LF TypeScript

Chapter 2: Types, Variables, and Function Techniques



The screenshot shows a code editor window titled "TypesAndFunctionSamples - BasicTypesTypeScript.ts". The code defines three variables: `myString` (string), `myNumber` (number), and `myBoolean` (boolean). It then attempts to assign `myNumber` to `myString`, `myString` to `myBoolean`, and `myBoolean` to `myNumber`, which causes TypeScript errors.

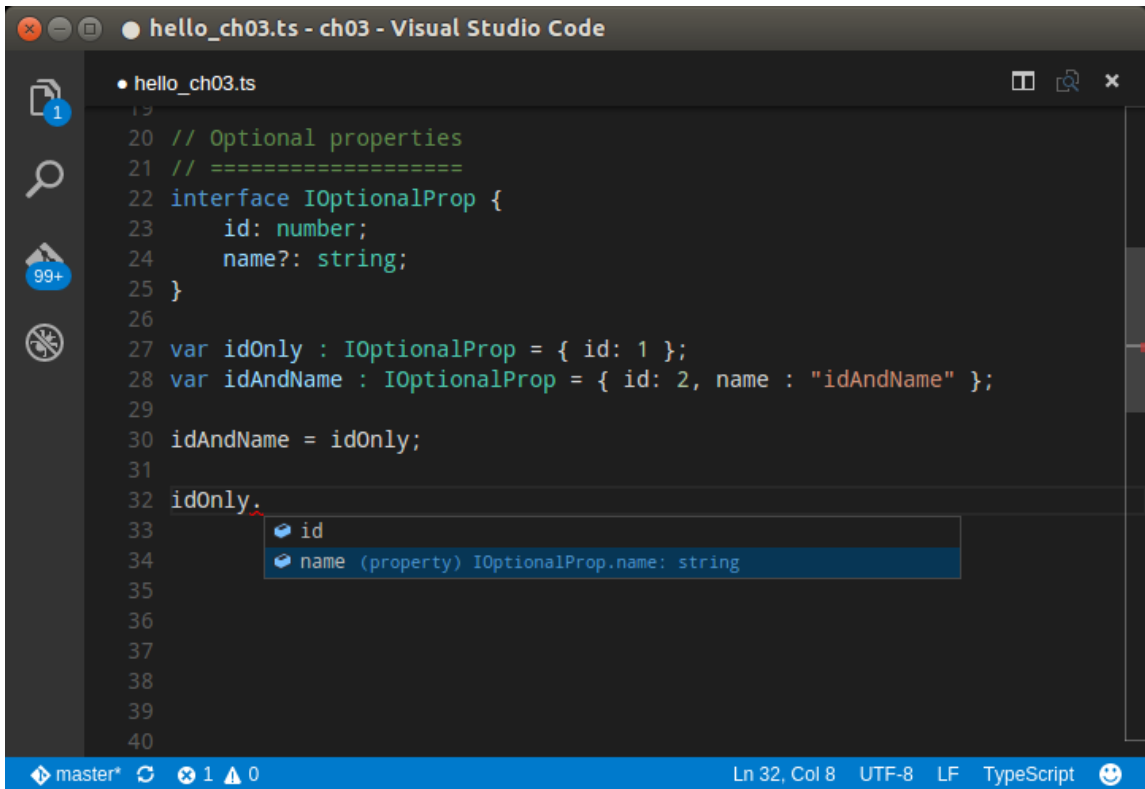
```
// Basic Types
var myString: string = "test";
var myNumber: number = 1;
var myBoolean: boolean = true;

myString = myNumber;
myBoolean = myString;
myNumber = myBoolean;
```

The Output window shows the following error messages:

```
,1): error TS2322: Build: Type 'number' is not assignable to type 'string'.
},1): error TS2322: Build: Type 'string' is not assignable to type 'boolean'.
},1): error TS2322: Build: Type 'boolean' is not assignable to type 'number'.
```

Chapter 3: Interfaces, Classes, and Inheritance



The screenshot shows the Visual Studio Code editor with a file named 'hello_ch03.ts'. The code defines an interface 'IOptionalProp' with two properties: 'id' of type 'number' and 'name?' of type 'string'. Below the interface, two variables are declared: 'idOnly' and 'idAndName', both of type 'IOptionalProp'. 'idOnly' is assigned an object with 'id: 1'. 'idAndName' is assigned an object with 'id: 2' and 'name: "idAndName"'. The code then shows 'idAndName = idOnly;' and 'idOnly.' with a dropdown menu showing the available properties: 'id' and 'name (property) IOptionalProp.name: string'.

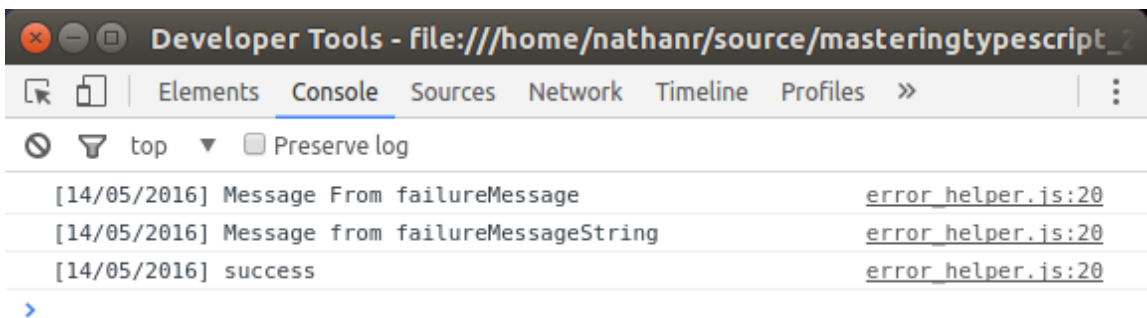
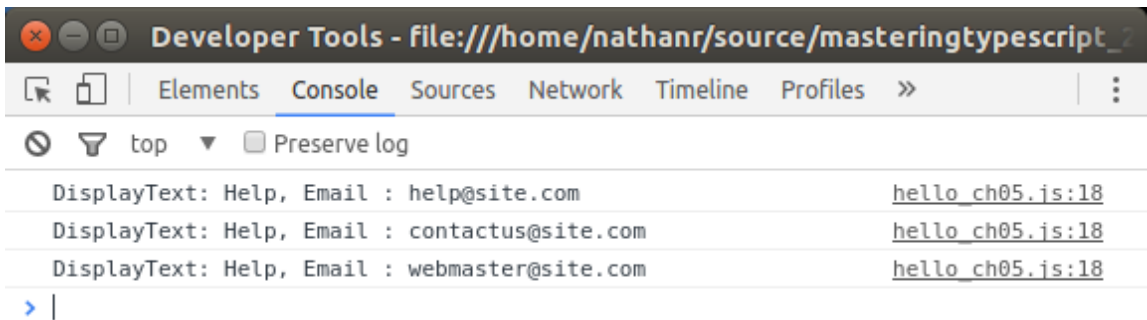
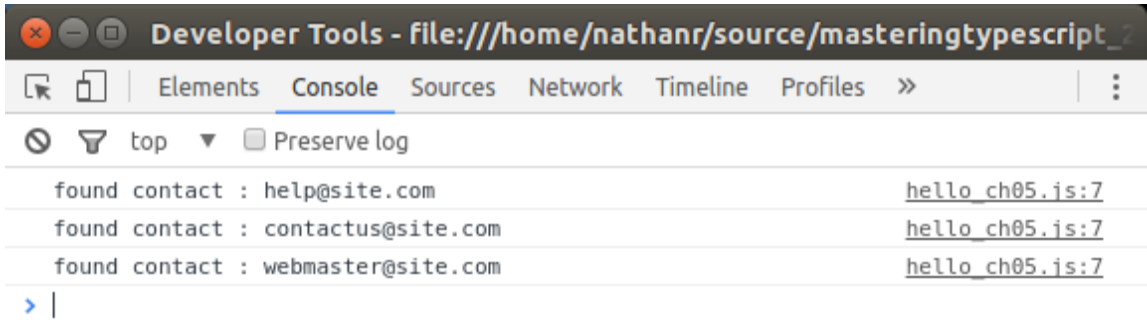
```
19
20 // Optional properties
21 // =====
22 interface IOptionalProp {
23     id: number;
24     name?: string;
25 }
26
27 var idOnly : IOptionalProp = { id: 1 };
28 var idAndName : IOptionalProp = { id: 2, name : "idAndName" };
29
30 idAndName = idOnly;
31
32 idOnly.
33   id
34   name (property) IOptionalProp.name: string
35
36
37
38
39
40
```

Ln 32, Col 8 UTF-8 LF TypeScript

```
nathanr@nero18-linux: ~/source/masteringtypescript_2nd/source

Person :
Date of Birth : Tue Jan 20 2015
Category      : Infant
Can sign     : false
Person :
Date of Birth : Thu Jan 20 2000
Category      : Child
Can sign     : false
Person :
Date of Birth : Mon Jan 20 1969
Category      : Adult
Can sign     : true
```

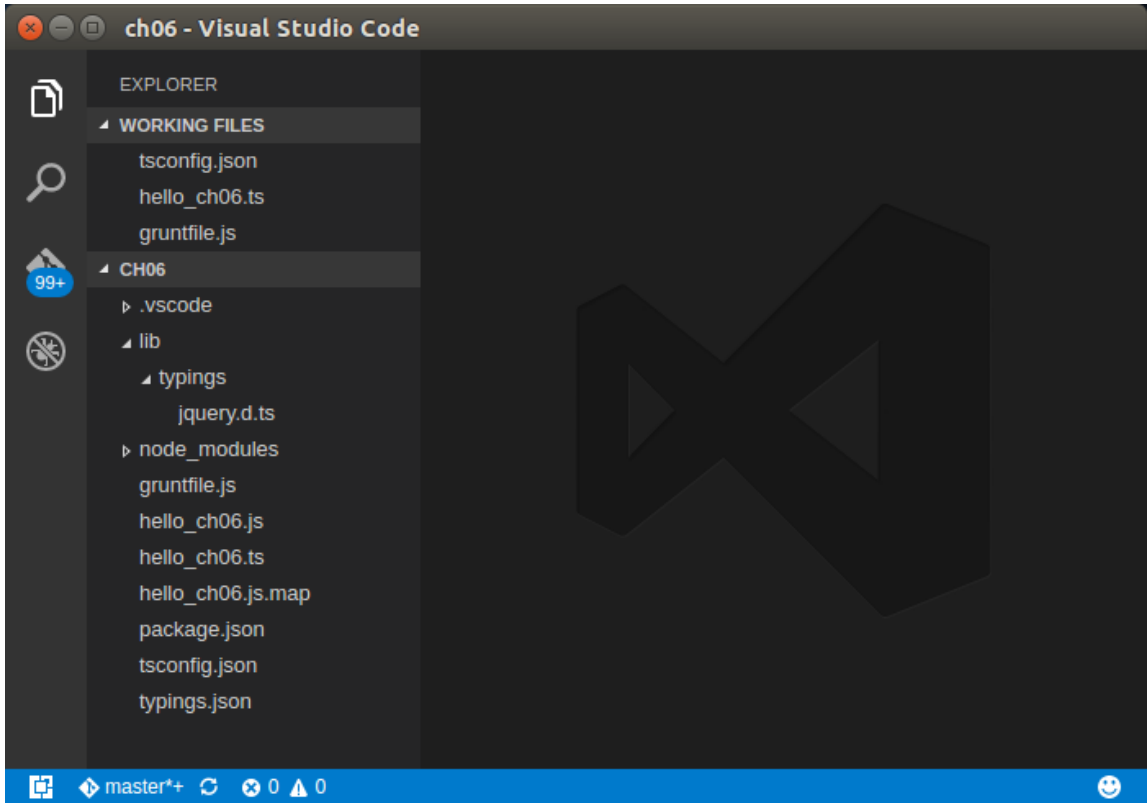
Chapter 5: Writing and Using Declaration Files




```
λ tsc
ErrorHelperTypeScript.ts(16,13): error TS2322: Type '{ responseText:
{ success: boolean; }; }' is not assignable to type 'IResponse'.
  Types of property 'responseText' are incompatible.
    Type '{ success: boolean; }' is not assignable to type 'IFailureM
essage'.
      Object literal may only specify known properties, and 'success'
does not exist in type 'IFailureMessage'.
```

```
λ tsc
ErrorHelperTypeScript.ts(11,36): error TS2345: Argument of type '{ re
sponseText: { "failure": string; "errorMessage": string; }; }' is not
assignable to parameter of type 'IResponse'.
  Types of property 'responseText' are incompatible.
    Type '{ "failure": string; "errorMessage": string; }' is not assi
gnable to type 'IFailureMessage'.
      Types of property 'failure' are incompatible.
        Type 'string' is not assignable to type 'boolean'.
ErrorHelperTypeScript.ts(12,27): error TS2345: Argument of type '{ re
sponseText: { "failure": string; "errorMessage": string; }; }' is not
assignable to parameter of type 'IResponse'.
```

Chapter 6: Third-Party Libraries



NuGetSample

NuGet - Solution # X

Browse Installed Updates Consolidate

jquery x Include prerelease

Package source: nuget.org

jQuery

Version(s) - 0

Project	Version
NuGetSample	

Installed: not installed Uninstall

Version: Latest stable 2.2.3 Install

Options

Description

jQuery is a new kind of JavaScript Library. jQuery is a fast and concise JavaScript Library that simplifies HTML document

jQuery by jQuery Foundation, Inc., 21.2M downloads v2.2.3
jQuery is a new kind of JavaScript Library. jQuery is a fast and concise JavaScript Library that simplifies HTML document...

jQuery.UI.Combined by jQuery UI Team, 7.99M downloads v1.11.4
The full jQuery UI library as a single combined file. Includes the base theme.

Microsoft.jQuery.Unobtrusive.Validation by Microsoft, 8.04M downloads v3.2.3
jQuery plugin that unobtrusively sets up jQuery.Validation.

Microsoft.jQuery.Unobtrusive.Ajax by Microsoft, 4.96M downloads v3.2.3
jQuery plugin that unobtrusively sets up jQuery Ajax.

jQuery.Validation by Jörn Zaefferer, 9.52M downloads v1.15.0
This jQuery plugin makes simple clientside form validation trivial, while offering lots of option for customization. That makes a good choice if you're building s...

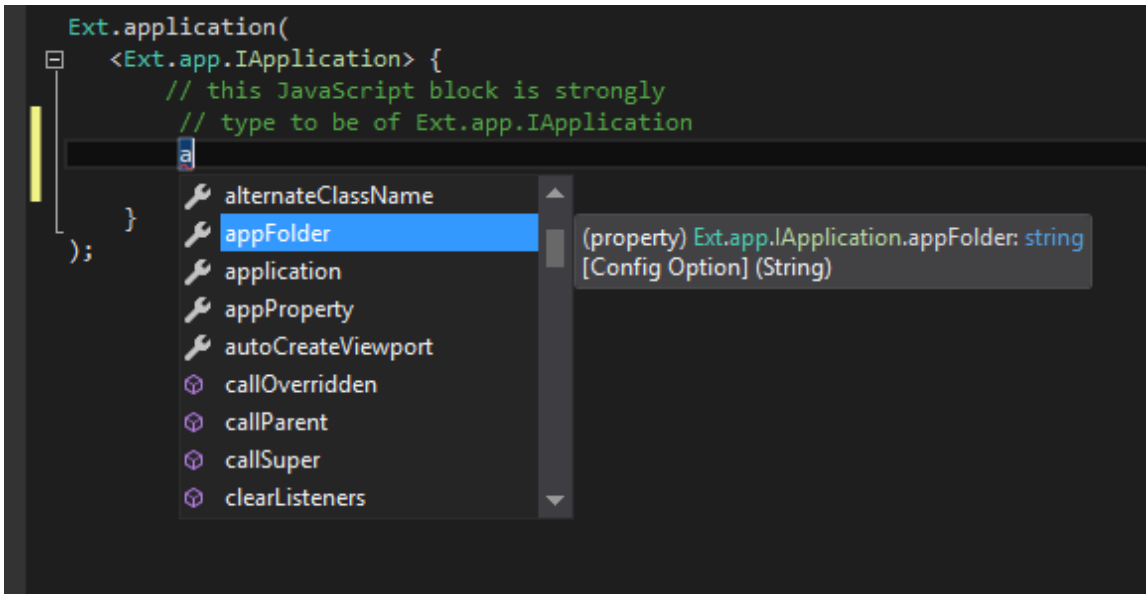
jquery.mobile by The jQuery Project, 834K downloads v1.4.5
A unified user interface system across all popular mobile device platforms, built on the rock-solid jQuery and jQuery UI foundation.

jquery.datatables by Allan Jardine (www.sprymedia.co.uk), 266K downloads v1.10.11
DataTables is a plug-in for the jQuery Javascript library. It is a highly flexible

Viewing 20 of 105

NAME	SOURCE	HOMEPAGE
chai-jquery	dt	https://github.com/chaijs/chai-jquery
jasmine-jquery	dt	https://github.com/velesin/jasmine-jquery
jquery	dt	http://jquery.com/
jquery-ajax-chain	dt	https://github.com/humana-fragilitas/jquery-ajax-chain
jquery-backstretch	dt	https://github.com/srobbin/jquery-backstretch
jquery-cropbox	dt	https://github.com/acornejo/jquery-cropbox
jquery-easy-loading	dt	http://carlosbonetti.github.io/jquery-easy-loading/
jquery-fullscreen	dt	https://github.com/kayahr/jquery-fullscreen
jquery-galleria	dt	https://github.com/aino/galleria
jquery-handsontable	dt	http://handsontable.com
jquery-jsonrpcclient	dt	https://github.com/Textalk/jquery.jsonrpcclient
jquery-knob	dt	http://anthonyterrien.com/knob/
jquery-mockjax	dt	https://github.com/jakerella/jquery-mockjax
jquery-mousewheel	dt	https://github.com/jquery/jquery-mousewheel
jquery-paging	global	
jquery-sortable	dt	http://johnny.github.io/jquery-sortable/
jquery-steps	dt	http://www.jquery-steps.com/
jquery-timeentry	dt	https://github.com/kbwood/timeentry
jquery-urlparam	dt	https://gist.github.com/stpettersens/1000000
jquery-validation-unobtrusive	dt	http://aspnetwebstack.codeplex.com/

```
Ext.application(  
  <Ext.app.IApplication> {  
    // this JavaScript block is strongly  
    // type to be of Ext.app.IApplication  
  }  
);
```

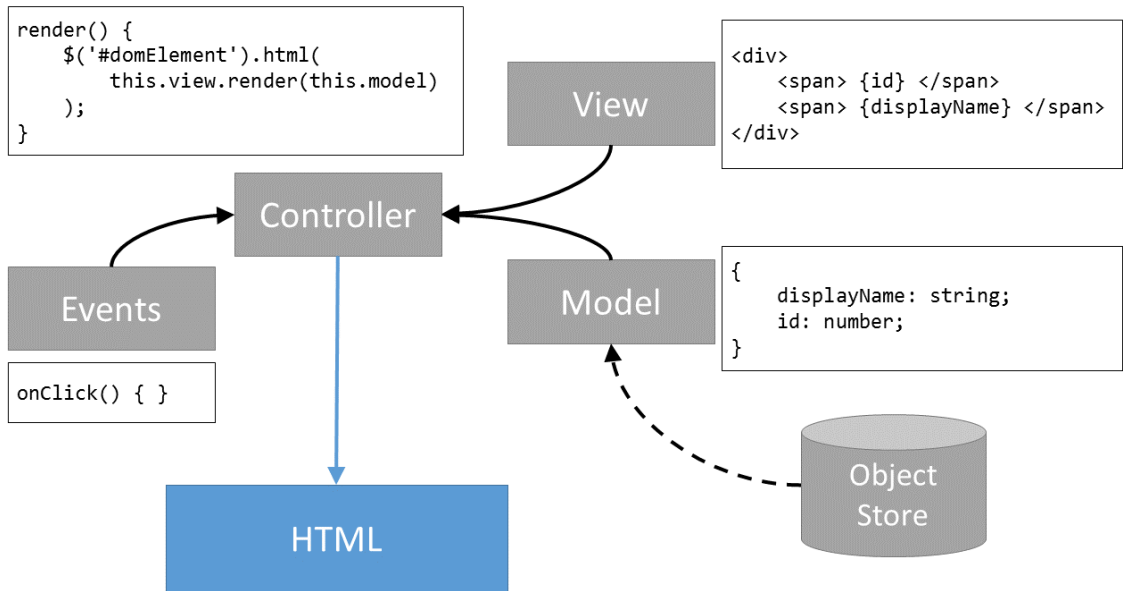


The image shows a code editor with a dark theme. A code completion menu is open over the 'appFolder' property in the configuration object. The menu lists several options, with 'appFolder' highlighted in blue. To the right of the menu, a tooltip displays the type information for the selected option: '(property) Ext.app.IApplication.appFolder: string [Config Option] (String)'. The code in the background is an ExtJS application configuration block.

- alternateClassName
- appFolder**
- application
- appProperty
- autoCreateViewport
- callOverridden
- callParent
- callSuper
- clearListeners

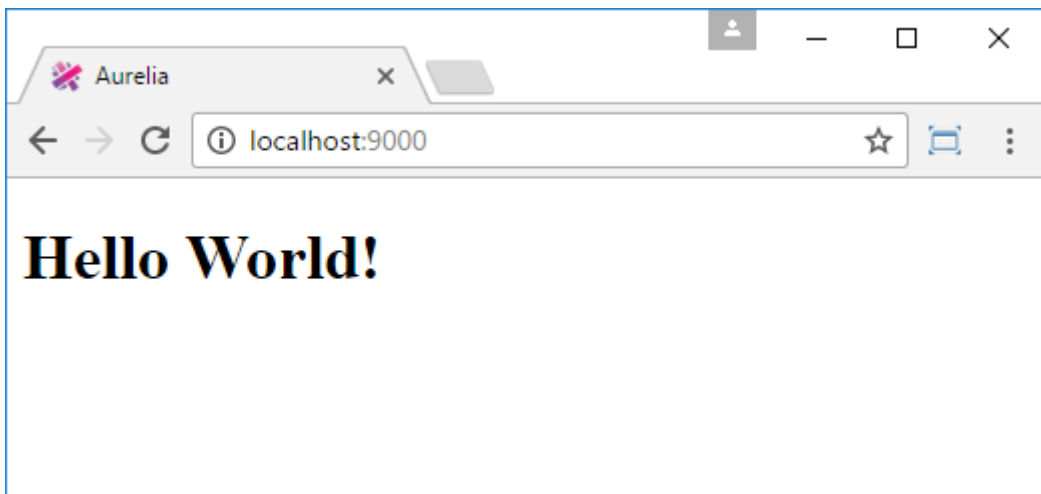
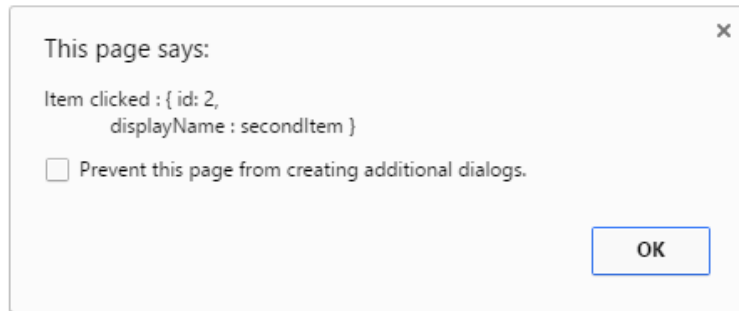
(property) Ext.app.IApplication.appFolder: string
[Config Option] (String)

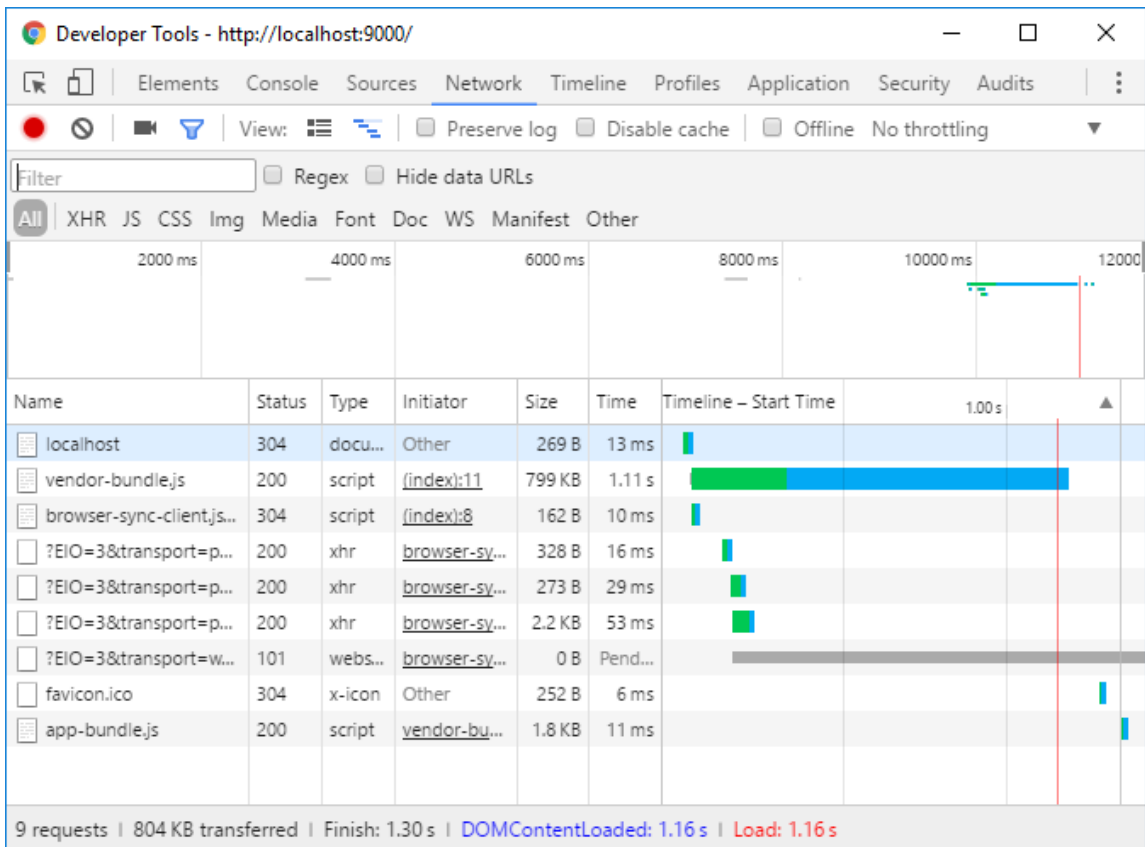
Chapter 7: TypeScript Compatible Frameworks



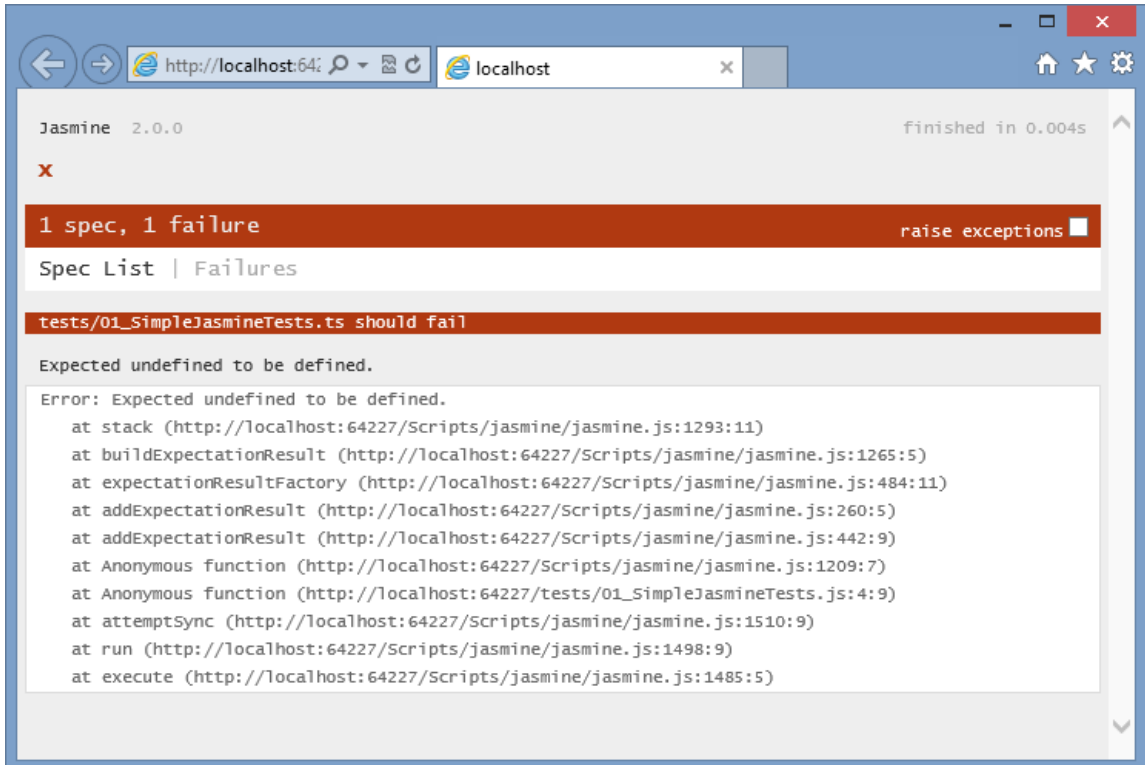
Select an option:

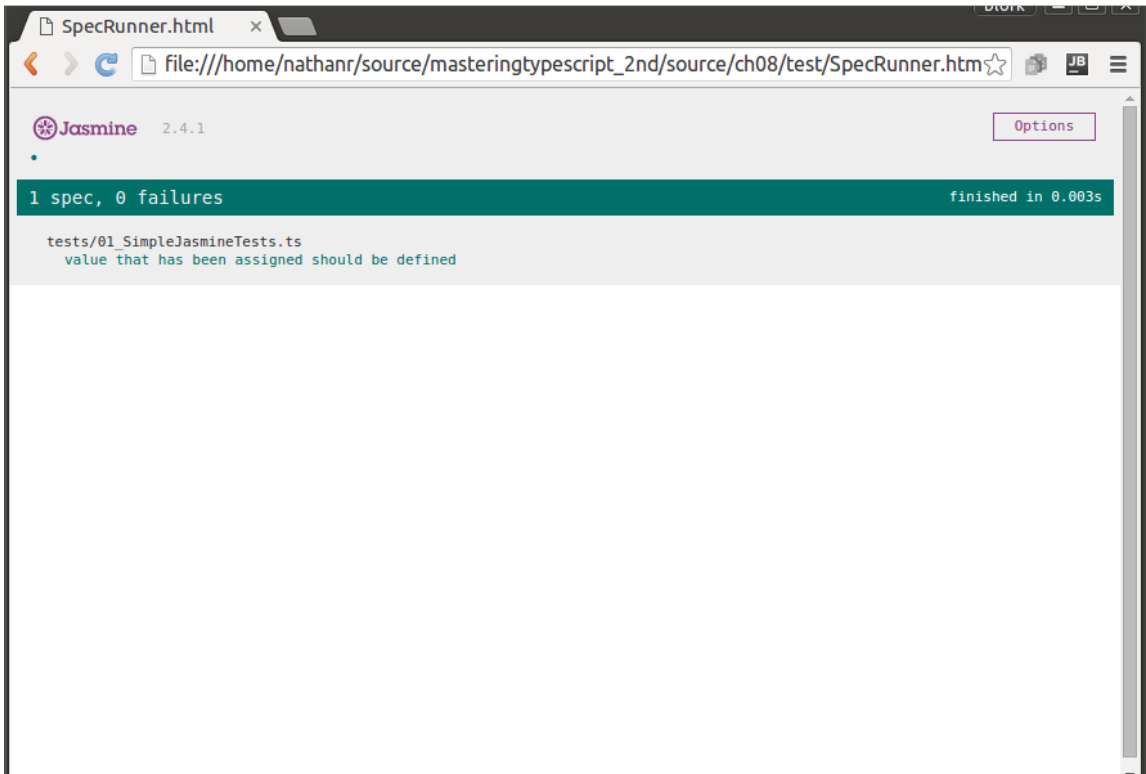
- firstItem
- secondItem
- thirdItem





Chapter 8: Test Driven Development





12 specs, 0 failures

finished in 0.003s

```
tests/01_SimpleJasmineTests.ts
  value that has been assigned should be defined
  expect a value not to be defined
  expect value toBe(2)
  expect string toContain value
  expect true to be truthy
  expect false not to be truthy
  expect value not to be null
  expect objects to be equal

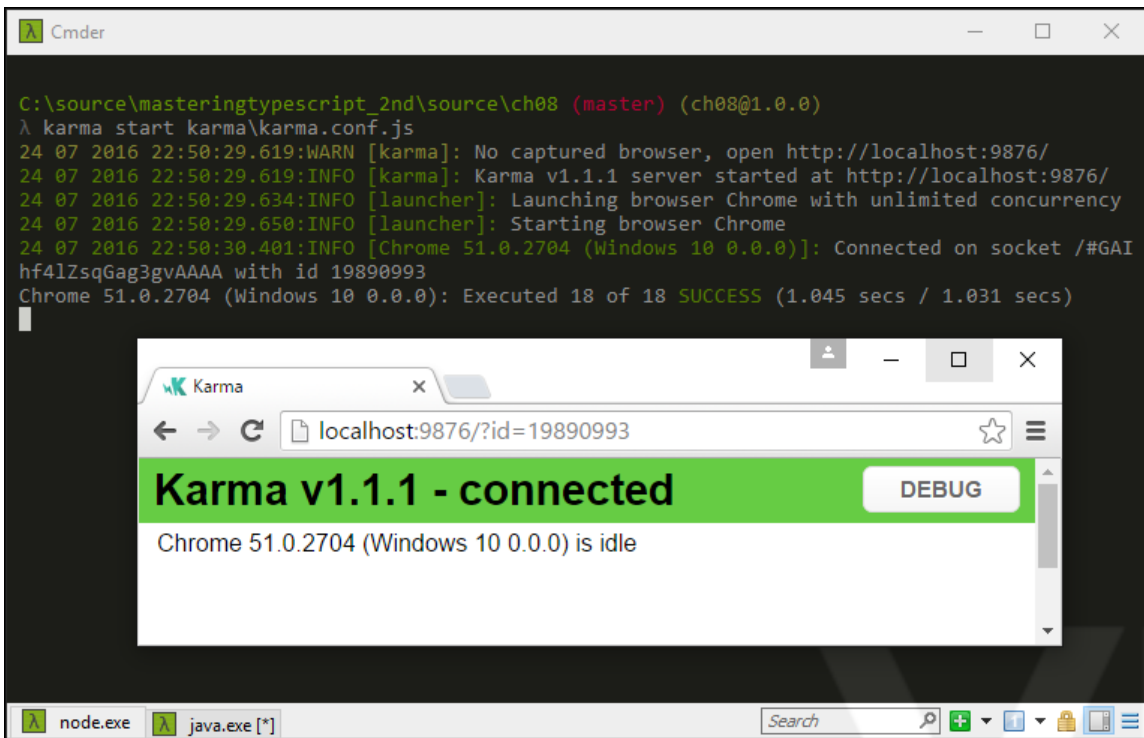
  beforeEach and afterEach tests
    should find then clear the myString variable

  data driven tests
    first string should contain 'string'
    second string should contain 'string'
    third string should contain 'string'
```

TEST'EM 'SCRIPTS!
Open the URL below in a browser to connect.
<http://localhost:7357/>

Mozilla/5.0 (Opera 38.0	Chrome 50.0	Firefox 41.0
18/18 ✓	18/18 ✓	18/18 ✓	18/18 ✓

✓ 18 tests complete.
[Press ENTER to run tests; q to quit; p to pause]



```
C:\source\masteringtypescript_2nd\source\ch08 (master) (ch08@1.0.0)
λ protractor .\protractor\protractor.conf.js
[16:43:34] I/hosted - Using the selenium server at http://localhost:4444/wd/hub
[16:43:34] I/launcher - Running 1 instances of WebDriver
Started
.

1 spec, 0 failures
Finished in 1.106 seconds
[16:43:38] I/launcher - 0 instance(s) of WebDriver still running
[16:43:38] I/launcher - chrome #01 passed

C:\source\masteringtypescript_2nd\source\ch08 (master) (ch08@1.0.0)
λ |
```

cmd.exe java.exe [*] Search

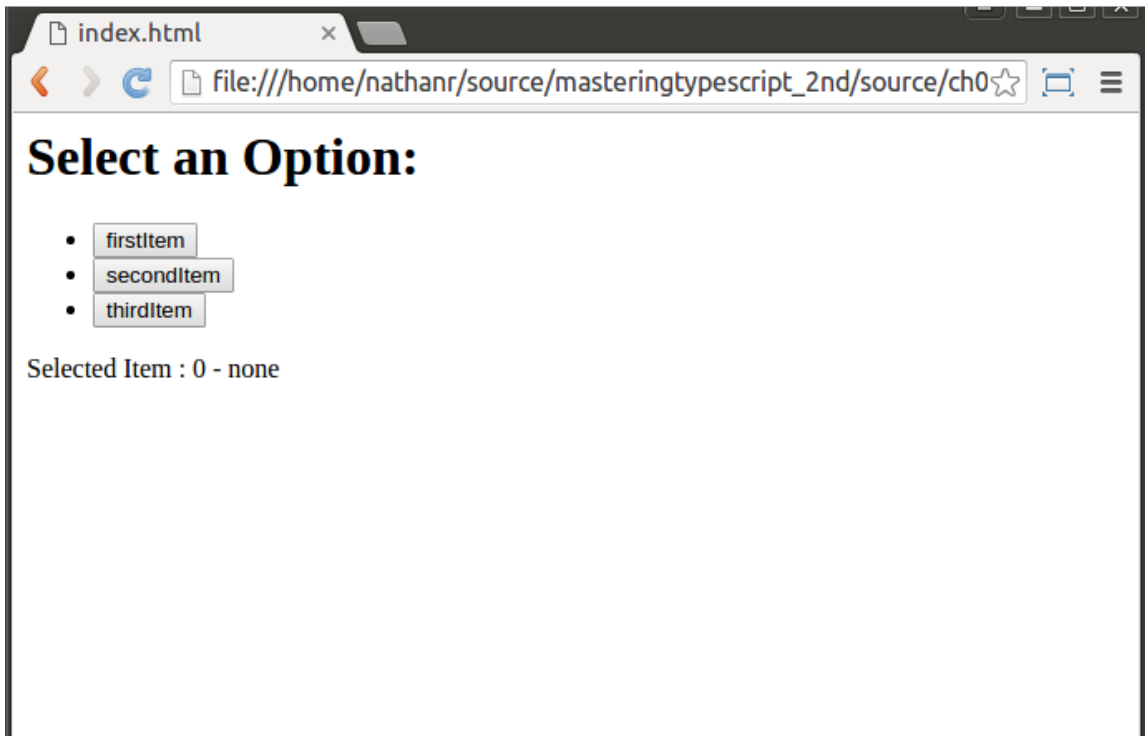
```
C:\source\masteringtypescript_2nd\source\ch08 (master) (ch08@1.0.0)
λ protractor .\protractor\protractor.conf.js
[20:42:36] I/hosted - Using the selenium server at http://localhost:4444/wd/hub
[20:42:36] I/launcher - Running 1 instances of WebDriver
##teamcity[progressStart 'Running Jasmine Tests']
Started
##teamcity[testSuiteStarted name='simple protractor test' timestamp='2016-07-24T12:42:38.669'
]
##teamcity[testStarted name='should navigate to google and find a title' captureStandardOutput
t='true' timestamp='2016-07-24T12:42:38.669']
##teamcity[testFinished name='should navigate to google and find a title' timestamp='2016-07-
24T12:42:39.766']
.##teamcity[testSuiteFinished name='simple protractor test' timestamp='2016-07-24T12:42:39.76
8']
##teamcity[progressFinish 'Running Jasmine Tests']

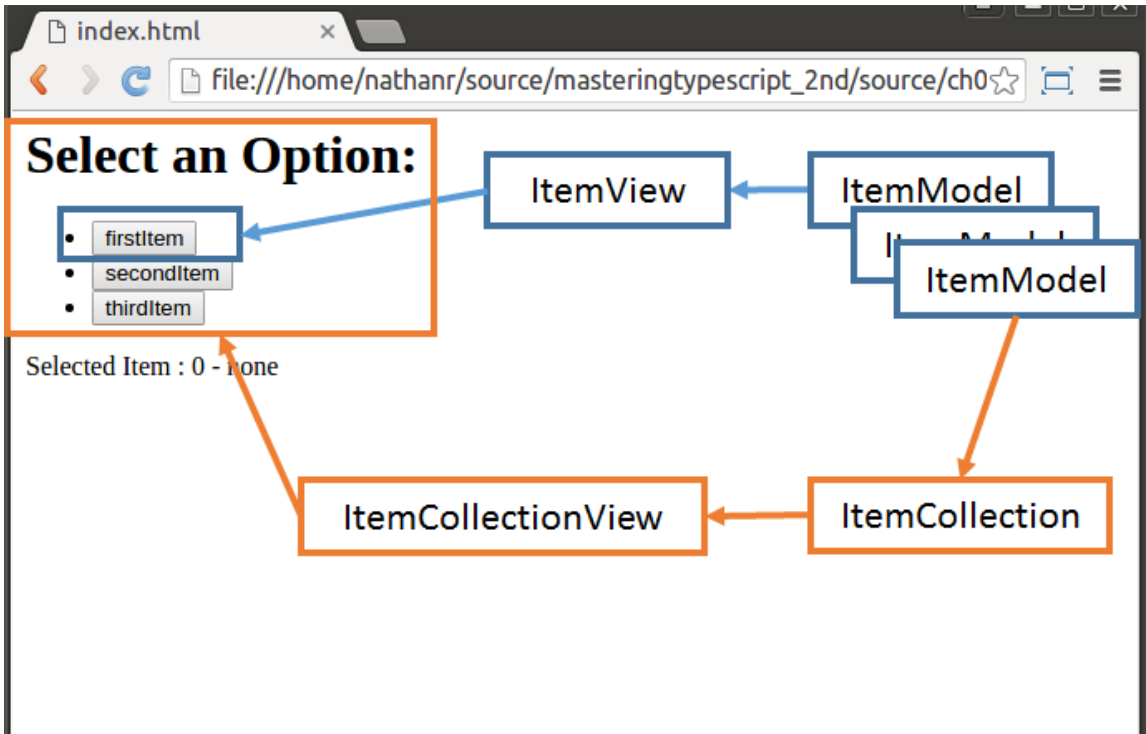
1 spec, 0 failures
Finished in 1.1 seconds
[20:42:40] I/launcher - 0 instance(s) of WebDriver still running
[20:42:40] I/launcher - chrome #01 passed

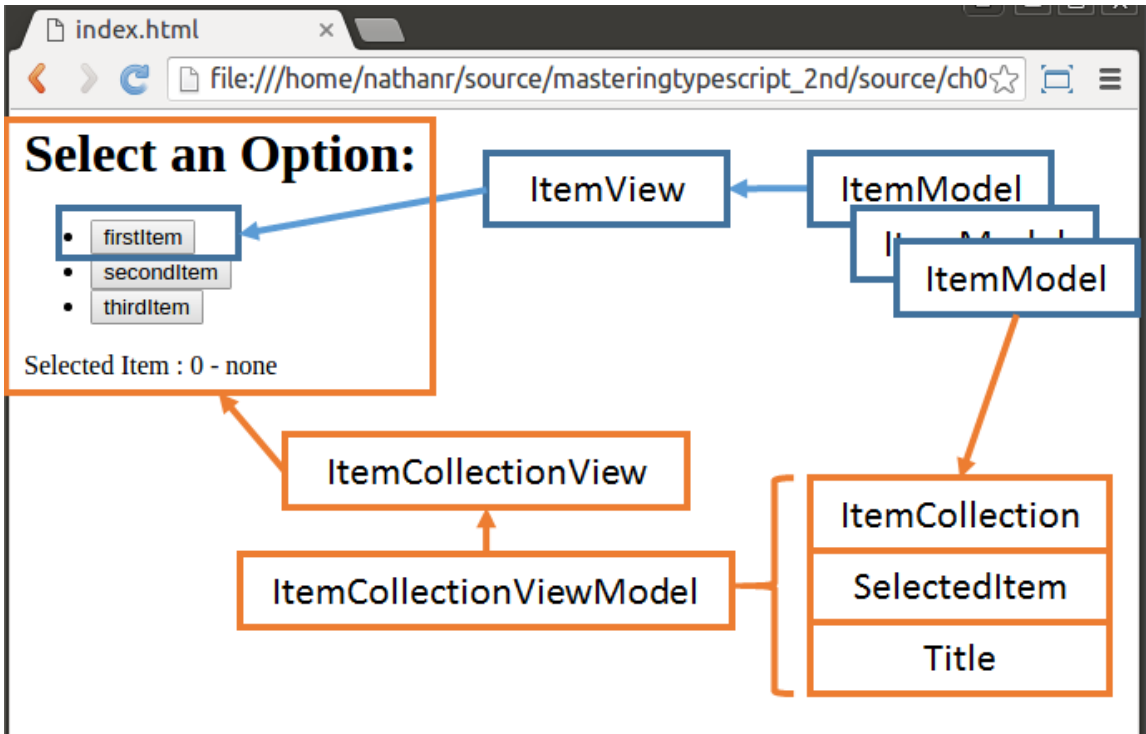
C:\source\masteringtypescript_2nd\source\ch08 (master) (ch08@1.0.0)
λ
```

cmd.exe | java.exe [*] | Search | + | | | | |

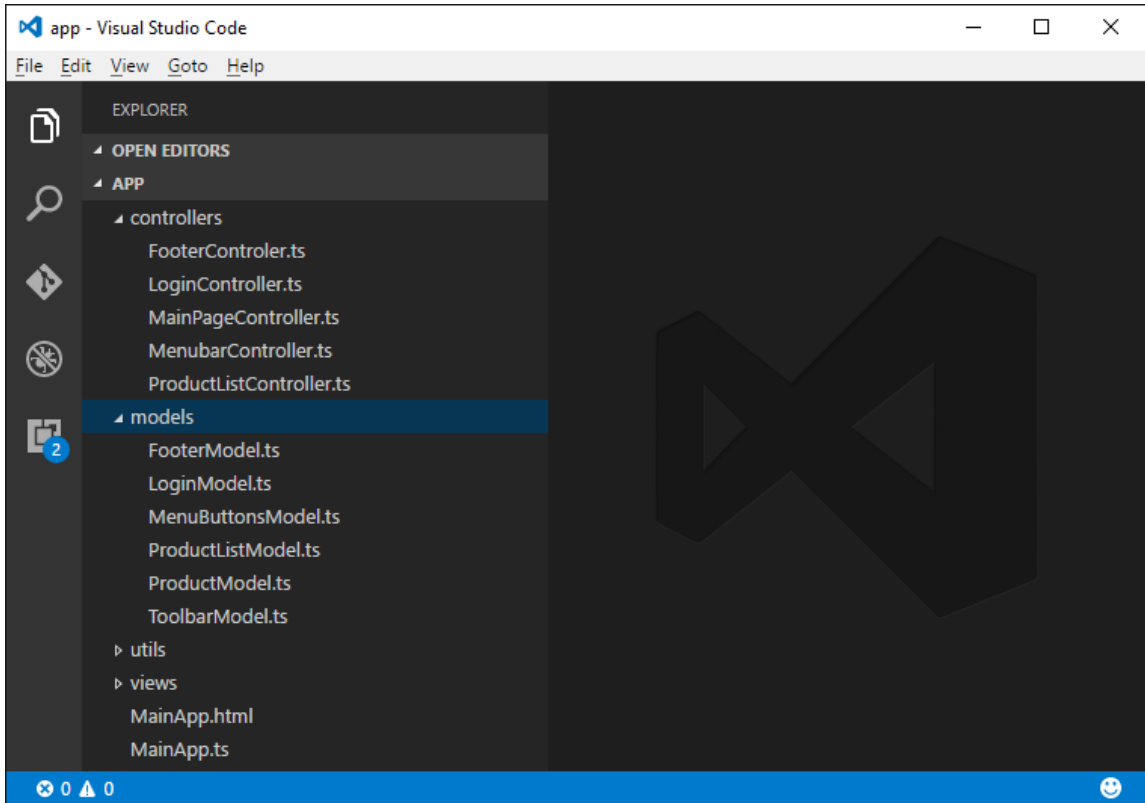
Chapter 9: Testing Typescript Compatible Frameworks







Chapter 10: Modularization



Developer Tools - file:///home/nathanr/source/masteringtypescript_2nd/source/ch10_resea

Elements Console Sources Network Timeline Profiles Resources Security Audits

View: Preserve log Disable cache No throttling

Filter Hide data URLs

All XHR JS CSS Img Media Font Doc WS Manifest Other

Name	Status	Type	Initiator	Size	Time	Timeline – Start Time
index.html	Finish...	docu...	Other	0 B	10 ms	
require.js	Finish...	script	index.html:6	0 B	3 ms	
RequireConfig.js	Finish...	script	require.js:1958	0 B	2 ms	
main.js	Finish...	script	require.js:1958	0 B	1 ms	
Module1.js	Finish...	script	require.js:1958	0 B	1 ms	
Module2.js	Finish...	script	require.js:1958	0 B	1 ms	
Module3.js	Finish...	script	require.js:1958	0 B	1 ms	

7 requests | 0 B transferred | Finish: 71 ms | DOMContentLoaded: 48 ms | Load: 47 ms

Developer Tools - file:///home/nathanr/source/masteringtypescript_2nd/source/ch10_research/...

Elements Console Sources **Network** Timeline Profiles Resources Security Audits

View: [Icons] Preserve log Disable cache No throttling

Filter [] Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

Name	Status	Type	Initiator	Size	Time	Timeline - Start Time
SpecRunner.html	Finish...	docu...	Other	0 B	1 ms	
jasmine.css	Finish...	styles...	SpecRunner.html:4	0 B	1 ms	
require.js	Finish...	script	SpecRunner.html:9	0 B	2 ms	
RequireConfigSpecRunner.js	Finish...	script	require.js:1958	0 B	1 ms	
jasmine.js	Finish...	script	require.js:1958	0 B	1 ms	
jasmine-html.js	Finish...	script	require.js:1958	0 B	1 ms	
boot.js	Finish...	script	require.js:1958	0 B	1 ms	
SimpleTest.js	Finish...	script	require.js:1958	0 B	1 ms	
data:image/svg+xml;...	200	svg+x...	jasmine-html.js:68	(from...	0 ms	

9 requests | 0 B transferred | Finish: 137 ms | DOMContentLoaded: 45 ms | Load: 45 ms

Network - http://localhost:57013/tscode/tests/SpecRunner.html

Inspector Console Debugger Style Editor Performance **Network** [Icons]

✓	Method	File	Domain	Type	Size	0 ms	160 ms
▲ 304	GET	SpecRunner.html	localhost:57013	html	0.38 kB	- 4 ms	
▲ 304	GET	jasmine.css	localhost:57013	css	19.17 kB	- 5 ms	
▲ 304	GET	require.js	localhost:57013	js	81.13 kB	- 3 ms	
▲ 304	GET	TestConfig.js	localhost:57013	js	1.39 kB	- 4 ms	
■ 404	GET	jquery-2.1.1.1.js	localhost:57013	html	4.90 kB	- 8 ms	

All HTML CSS JS XHR Fonts Images Media Flash Other 5 requests, 106.99 kB, 0.16 s Cle

Developer Tools - http://localhost:8080/

Elements Console Sources **Network** Timeline Profiles Resources Security Audits

View: Preserve log Disable cache | No throttling

Filter Hide data URLs

All XHR JS CSS Img Media Font Doc WS Manifest Other

Name	Status	Type	Initiator	Size	Time	Timeline - Start Time
localhost	200	docu...	Other	559 B	6 ms	
system.js	304	script	(index):6	239 B	3 ms	
SystemConfig.js	304	script	(index):7	237 B	3 ms	
app.js	304	xhr	system.src.js:1051	237 B	4 ms	
Module1.js	200	xhr	system.src.js:1051	(from...	1 ms	
Module2.js	200	xhr	system.src.js:1051	(from...	1 ms	
Module3.js	200	xhr	system.src.js:1051	(from...	1 ms	

7 requests | 1.2 KB transferred | Finish: 149 ms | DOMContentLoaded: 60 ms | Load: 60 ms

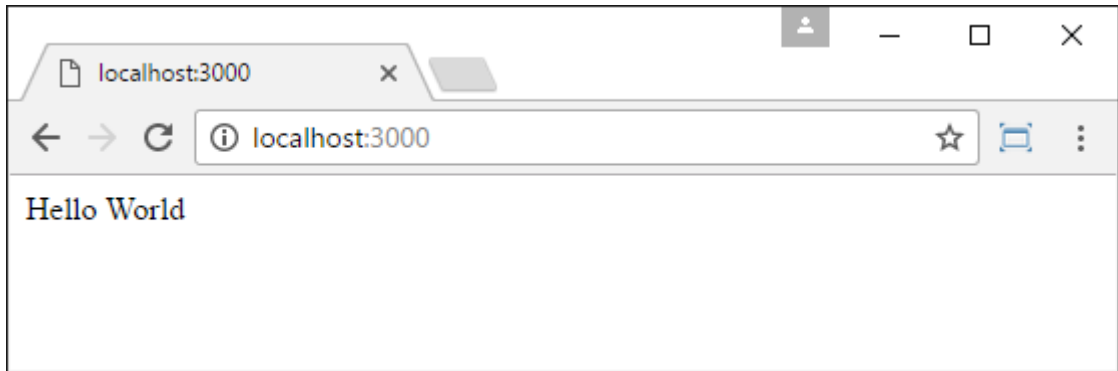
Developer Tools - file:///home/nathanr/source/masteringtypescript_2nd/source/ch10

Elements **Console** Sources Network Timeline Profiles Resources Security >> 2

top Preserve log


- ▶ XMLHttpRequest cannot load `system.src.js:1051`
file:///home/nathanr/source/masteringtypescript_2nd/source/ch10_research/systemjs_samples/app.js. Cross origin requests are only supported for protocol schemes: http, data, chrome, chrome-extension, https, chrome-extension-resource.
- ▶ Uncaught (in promise) Error: (SystemJS) XHR error loading `system.js:4`
file:///home/nathanr/source/masteringtypescript_2nd/source/ch10_research/systemjs_samples/app.js(...)

> |





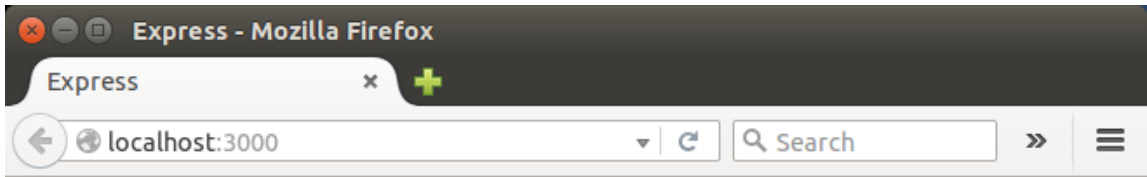
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Express</title>
5     <link rel='stylesheet' href='/stylesheets/style.css' />
6   </head>
7   <body>
8     <h1>Express</h1>
9     <p>Welcome to Express</p>
10
11   </body>
12 </html>
```



Login

Username :

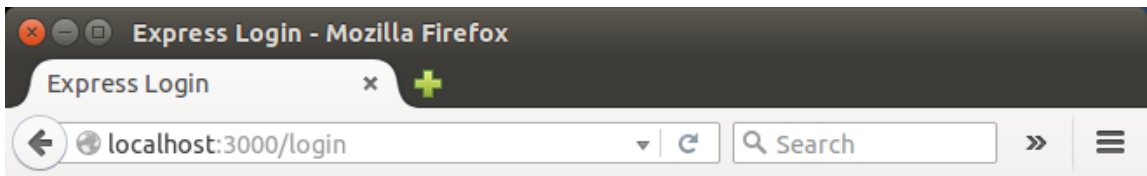
Password :



Express

Welcome to Express

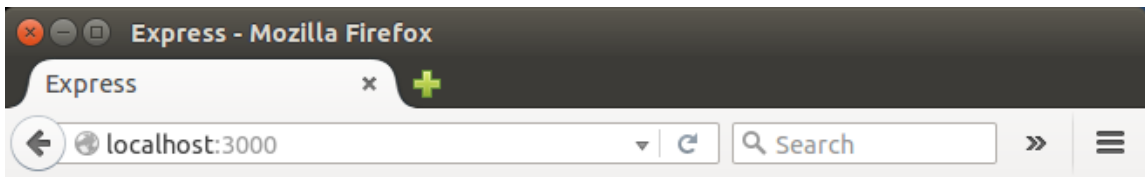
Click [here to login](#)



Login

Username :

Password :

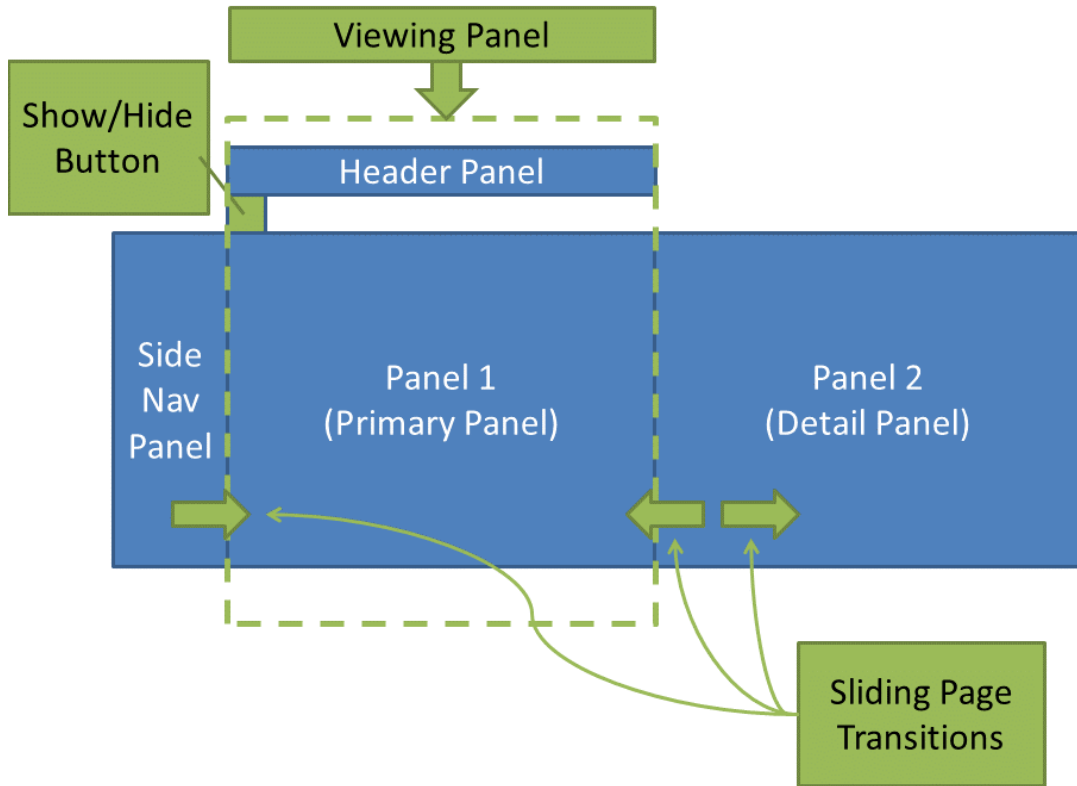


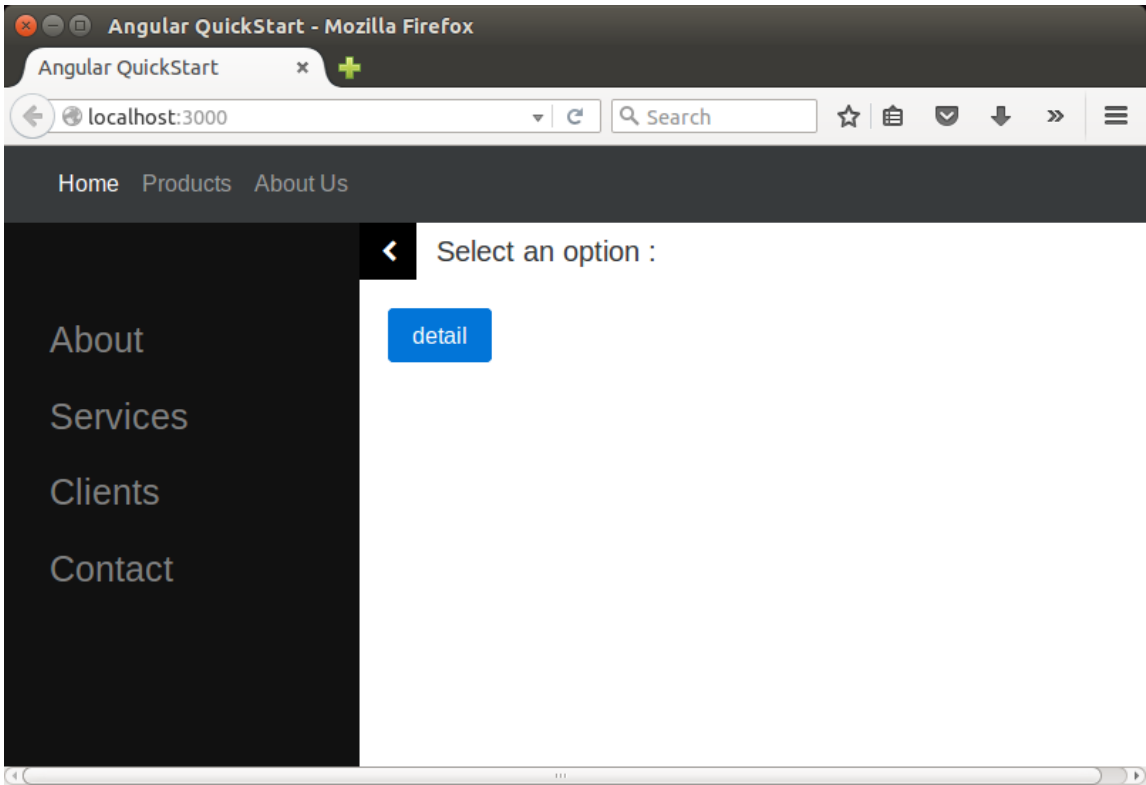
Express

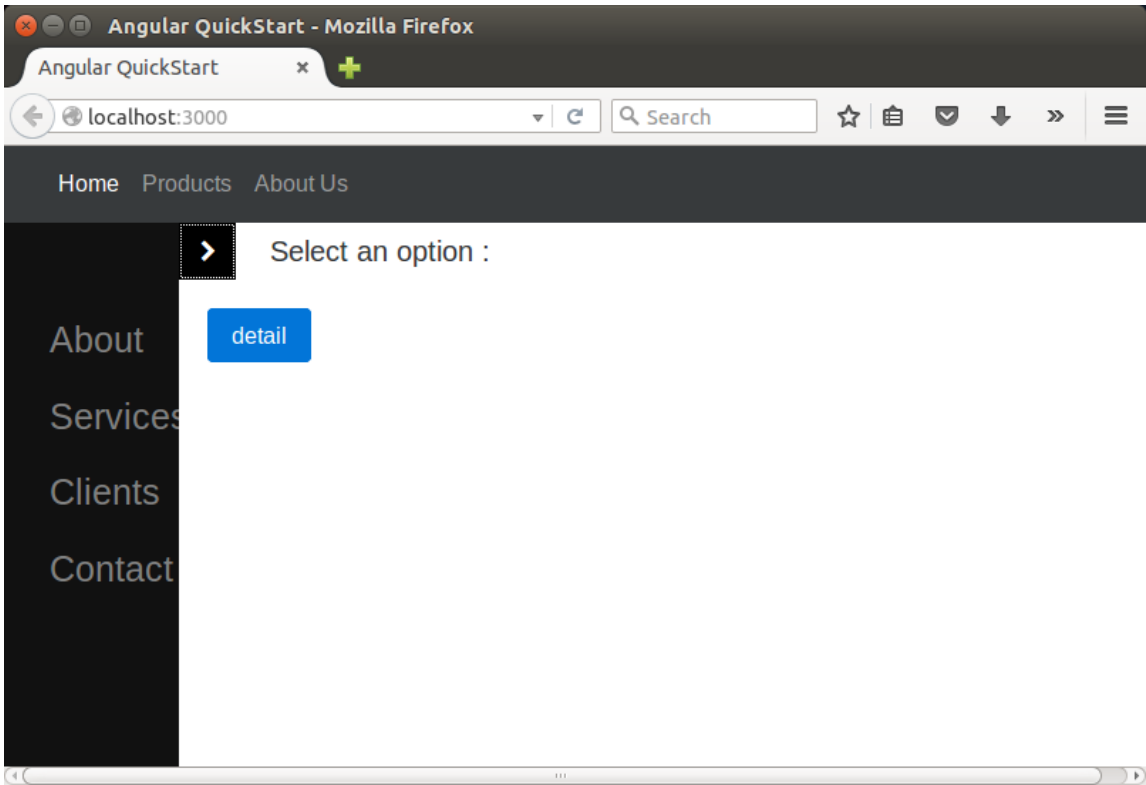
Welcome to Express

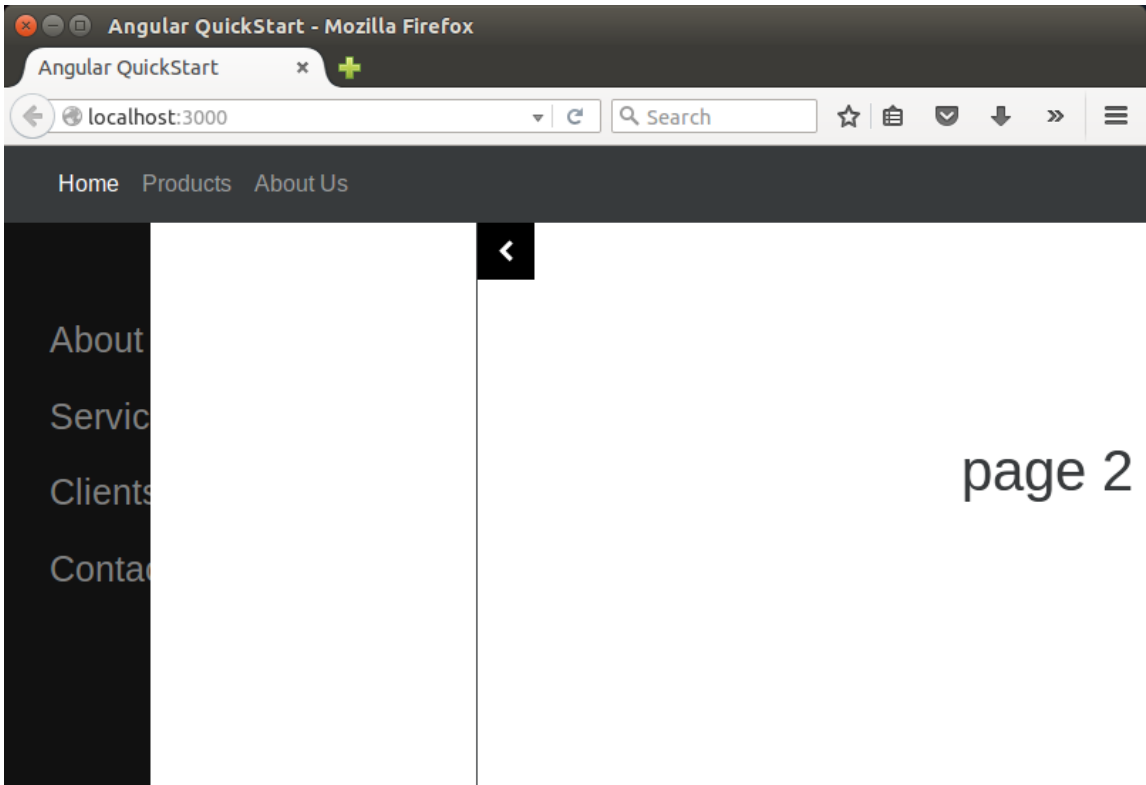
User : SomeUser logged in.

Chapter 11: Object-Oriented Programming

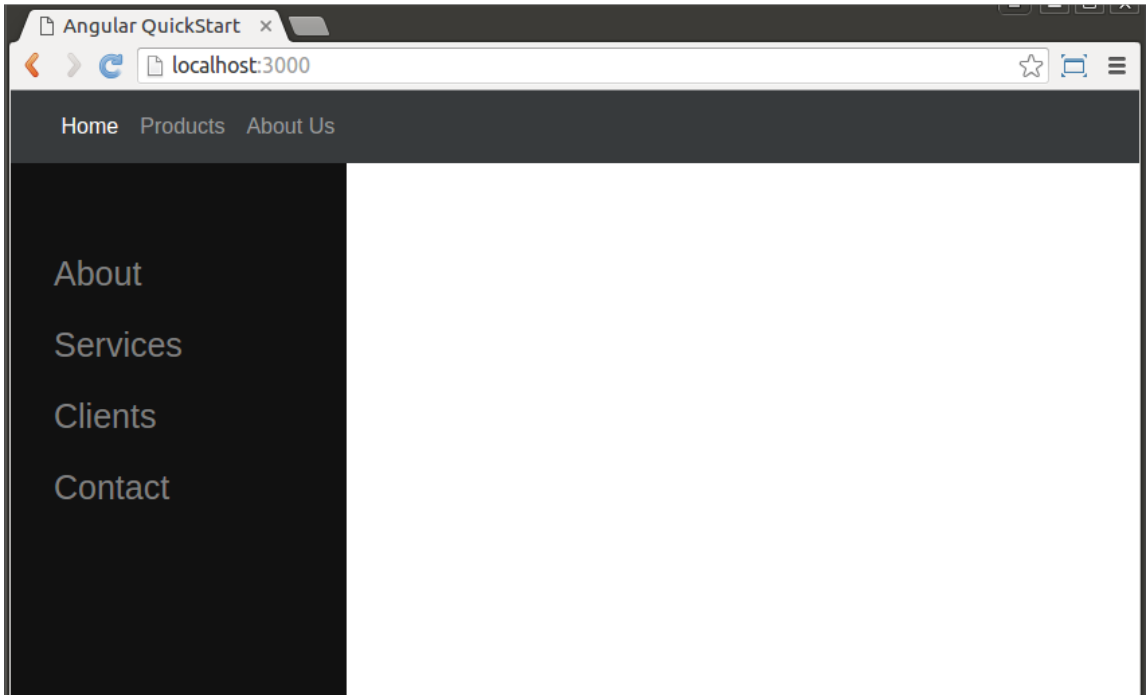


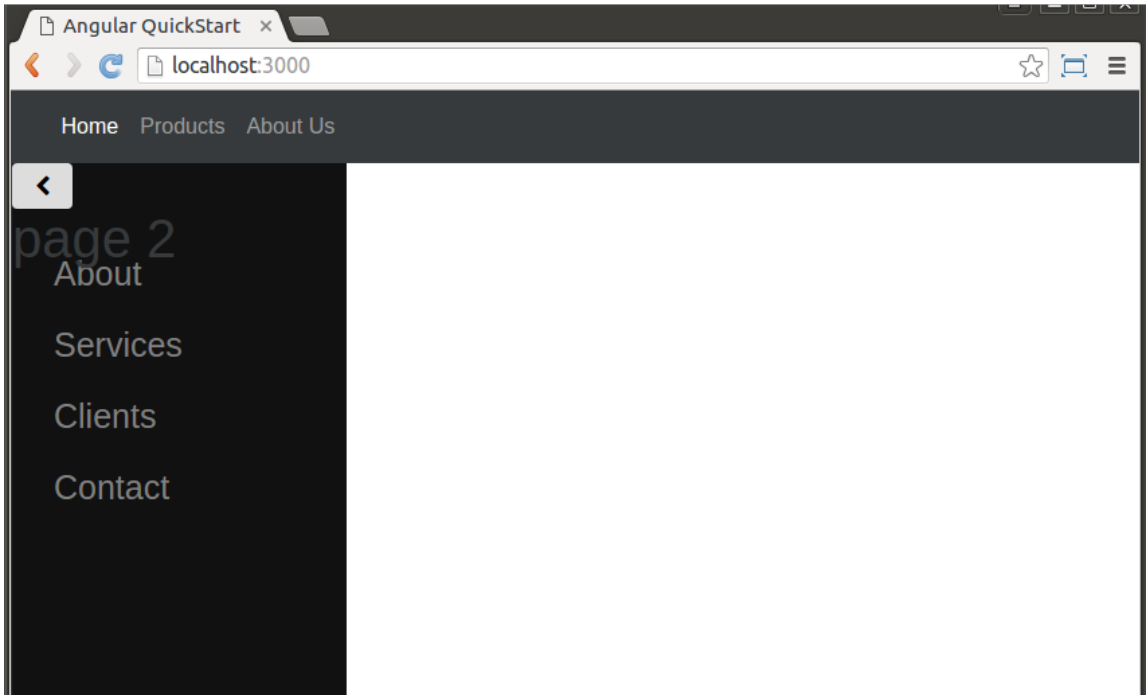




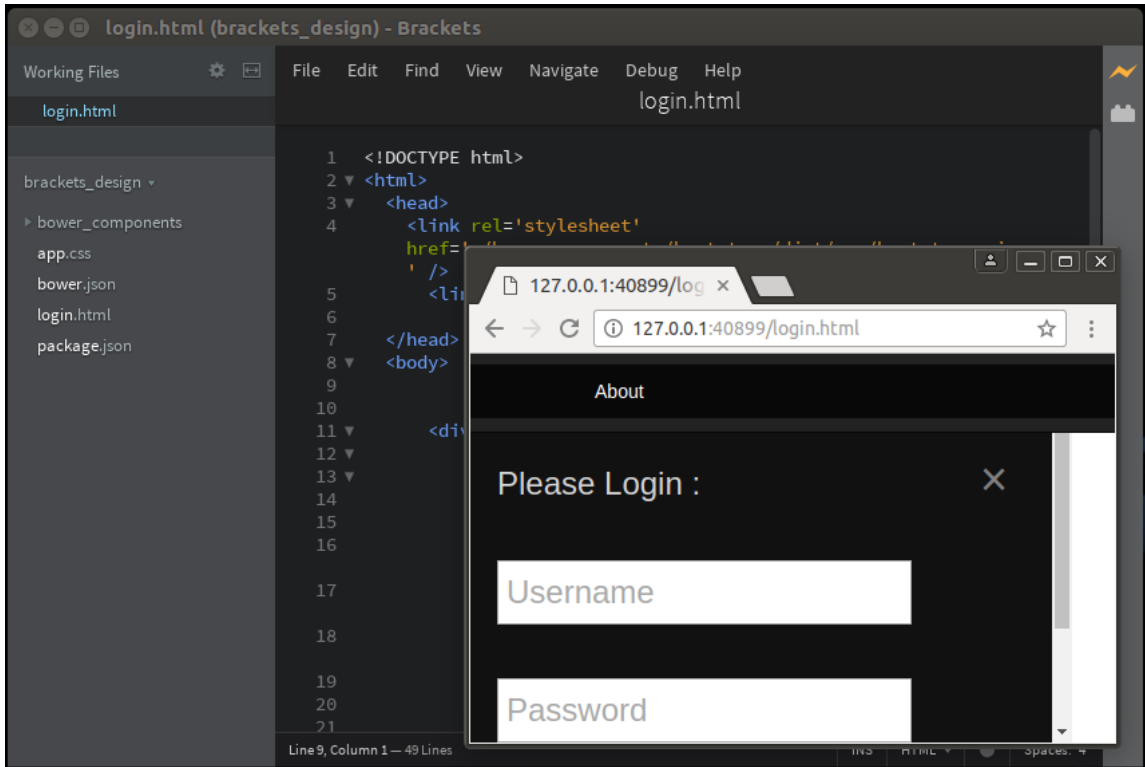


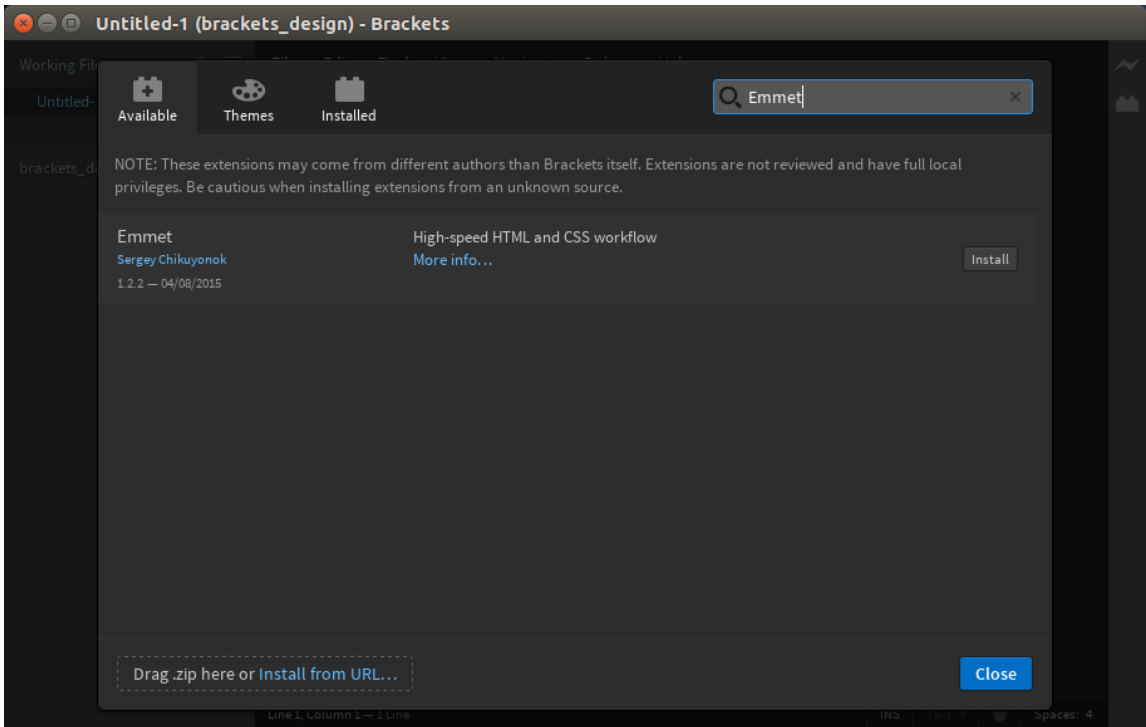
page 2

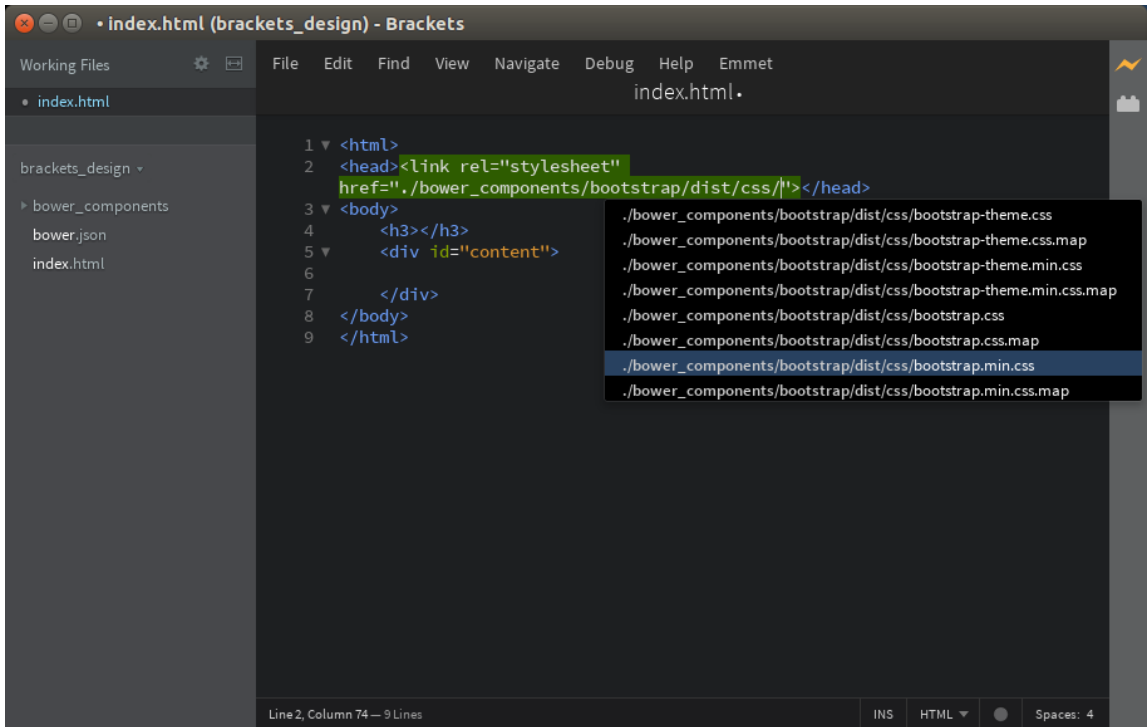


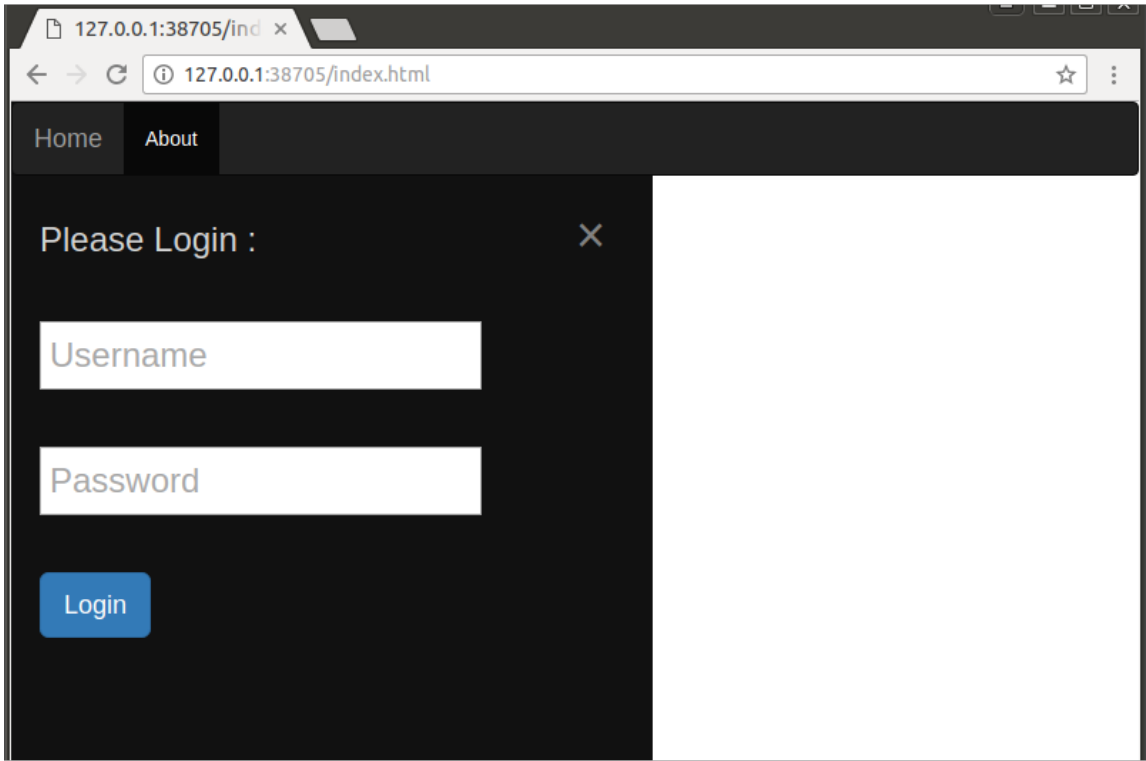


Chapter 13: Building Applications



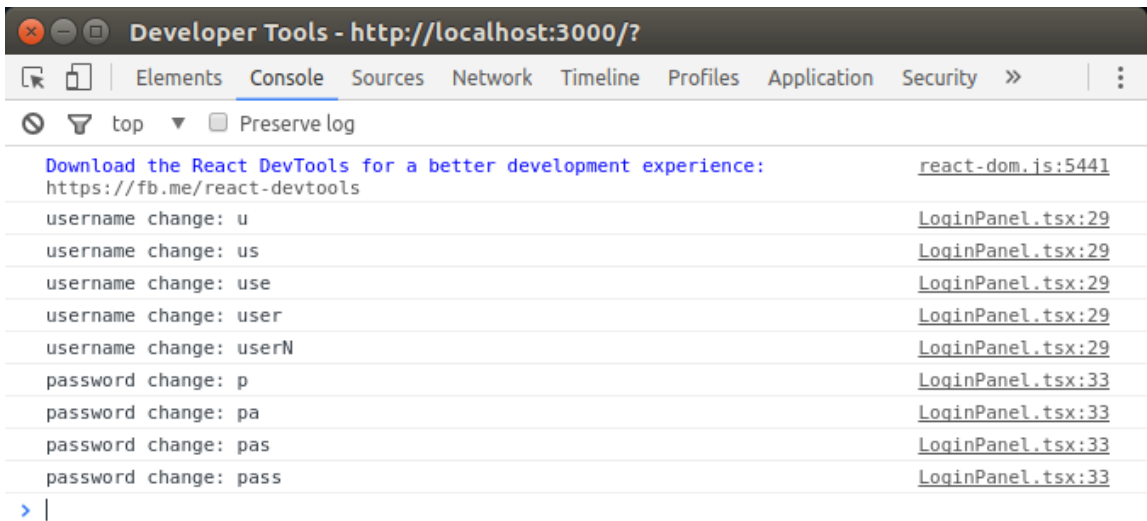






```
localhost:3000 x
localhost:3000
Error: Failed to lookup view "index" in views directory
"/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/dist/views"
  at EventEmitter.render
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/application
  at ServerResponse.render
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/response
  at /home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/dist/routes/index.js:7:9
  at Layer.handle [as handle_request]
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/router/
  at next
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/router/
  at Route.dispatch
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/router/
  at Layer.handle [as handle_request]
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/router/
  at
/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/router/in
  at Function.process_params
(/home/nathanr/source/masteringtypescript_2nd/source/ch13/node_react/node_modules/express/lib/router/
  at next
```

```
Developer Tools - http://localhost:3000/
Elements Console Sources Network Timeline Profiles Application Security Audits 4
top Preserve log
GET http://localhost:3000/css/bootstrap.min.css localhost/:7
GET http://localhost:3000/css/app.css localhost/:8
GET http://localhost:3000/node_modules/react/dist/react.js localhost/:18
GET http://localhost:3000/node_modules/react-dom/dist/react-dom.js localhost/:21
> |
```



Chapter 14: Let's Get Our Hands Dirty

The screenshot shows a web browser window with the address bar at localhost:3000/#. The page title is 'Board Sales'. The navigation menu includes Home, About, Contact, and Login. The main content area is titled 'Board List' and features a sidebar on the left with the following filter options:

- Apply Filter :
- Manufacturer
 - RRD
 - JP Australia
 - Starboard
- Board Types
 - Wave
 - Freestyle
 - Slalom
- All
 - Clear Filter

The main content area displays a grid of surfboard products, each with an image, name, description, and a list of sizes. A small compass icon is present next to each product name.

Product Name	Description	Manufacturer	Sizes
Radical Quad	Radical Wave Board	RRD	68, 74, 82
Thruster Quad	Allround Wave Board	RRD	73, 83, 93
Freestyle Wave	Wave Board Small Allround	RRD	77, 85, 93
Freestyle	Freestyle Board	RRD	90, 100, 106
All Ride	Medium Allround FreeRider	RRD	96, 106, 116
Magic Ride	Manoever Oriented FreeRider	RRD	104, 118, 132
X-Cite Ride Plus	Large Allround FreeRider	RRD	125, 135, 145
Hardcore Wave Ltd V5	Side Shore Wave Pro	RRD	68, 78, 88
Wave Cult Ltd V5	Wave Onshore	RRD	75, 83, 92



Board Sales

localhost:3000/#

Home About Contact Login

Firemove Ltd V2

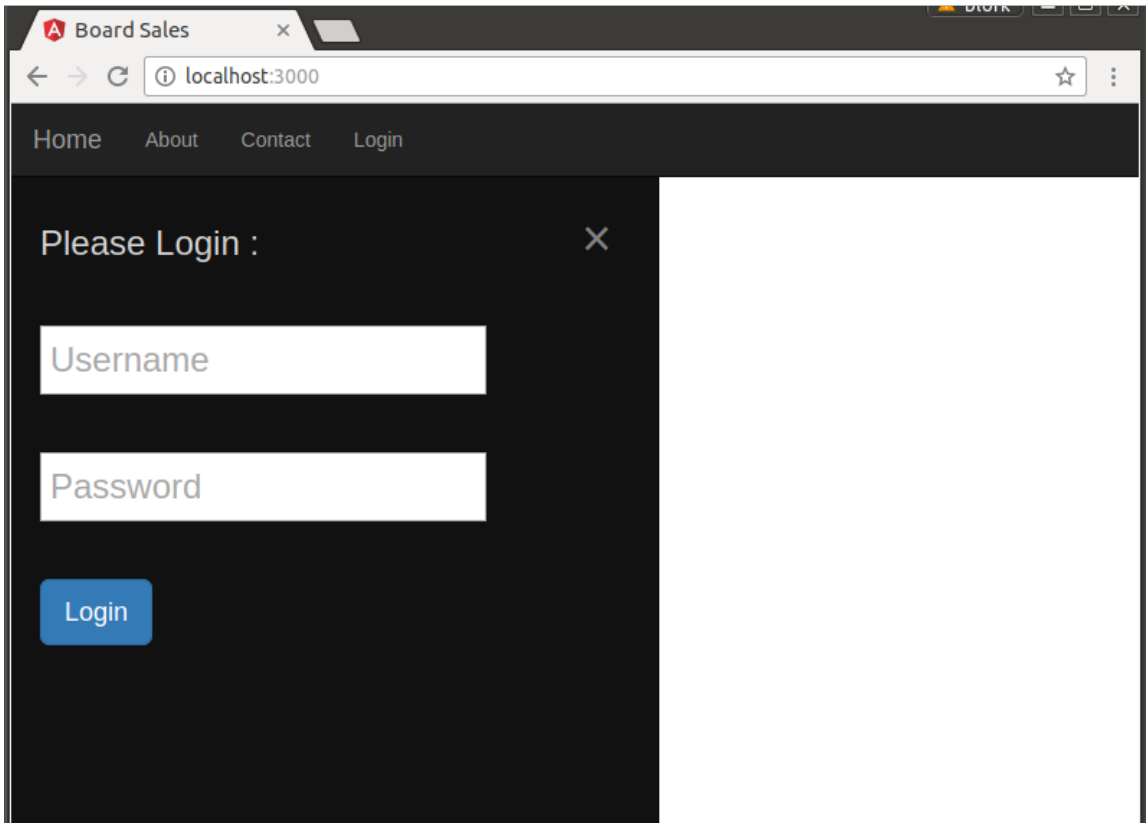
Wide Body Freemove



The most contradictive design in our windsurfing collection has conquered the heart of many passionate windsurfer in last two years since its first launch on the market. The Firemove concept is based on an oversized middle width, an extra reduced volume thickness and rail shape, combined with a very long flat section scoop rocker line. An impossible combination for most at first, a real innovation for all after testing this magic breed of board shapes. This year we have gone one step further and refined in the most important details of this new line of boards.

Available Sizes:

Volume	Width	Length	Sail Min	Sail Max
102	68	238	5.2	7.2
112	74	238	6.0	8.0
122	79	238	6.8	9.0




```
λ Cmder
68% building modules 551/561 modules 10 active ...dules\core-js\modules\es6.weak-map
69% building modules 552/561 modules 9 active ...dules\core-js\modules\es6.weak-map.
69% building modules 553/561 modules 8 active ...dules\core-js\modules\es6.weak-map.
69% building modules 554/561 modules 7 active ...dules\core-js\modules\es6.weak-map.
69% building modules 555/561 modules 6 active ...dules\core-js\modules\es6.weak-map.
69% building modules 556/561 modules 5 active ...dules\core-js\modules\es6.weak-map.
69% building modules 557/561 modules 4 active ...dules\core-js\modules\es6.weak-map.
69% building modules 558/561 modules 3 active ...dules\core-js\modules\es6.weak-map.
69% building modules 559/561 modules 2 active ...dules\core-js\modules\es6.weak-map.
69% building modules 560/561 modules 1 active ...dules\core-js\modules\es6.weak-map.
69% building modules 561/562 modules 1 active ...modules\_array-species-constructor.
69% building modules 561/563 modules 2 active ...s\core-js\modules\_collection-weak.
69% building modules 562/563 modules 1 active ...s\core-js\modules\_collection-weak.
12 02 2017 13:52:53.662:WARN [karma]: No captured browser, open http://localhost:9876
/
12 02 2017 13:52:53.678:INFO [karma]: Karma v1.2.0 server started at http://localhost
:9876/
12 02 2017 13:52:53.678:INFO [launcher]: Launching browser Chrome with unlimited conc
urrency
12 02 2017 13:52:53.678:INFO [launcher]: Starting browser Chrome
12 02 2017 13:52:55.203:INFO [Chrome 56.0.2924 (Windows 10 0.0.0)]: Connected on sock
et /#-zgB7Qww0gWJnc3_AAAA with id 24545917
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 0 of 0 ERROR (0.002 secs / 0 secs)
|
```

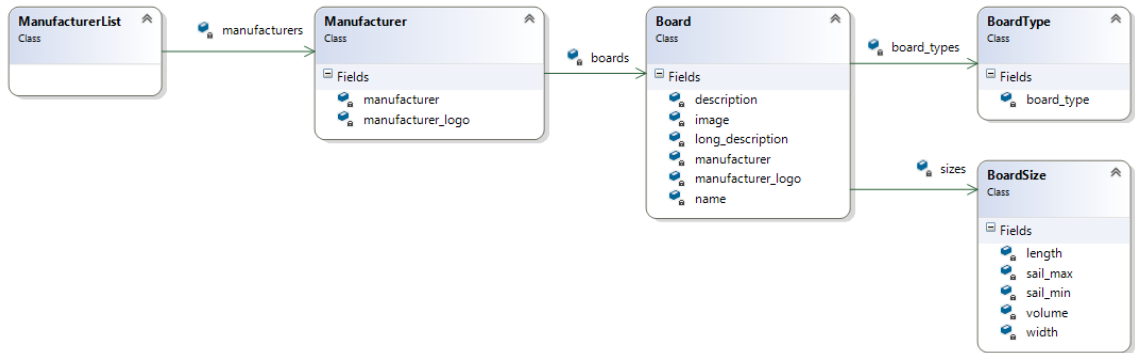
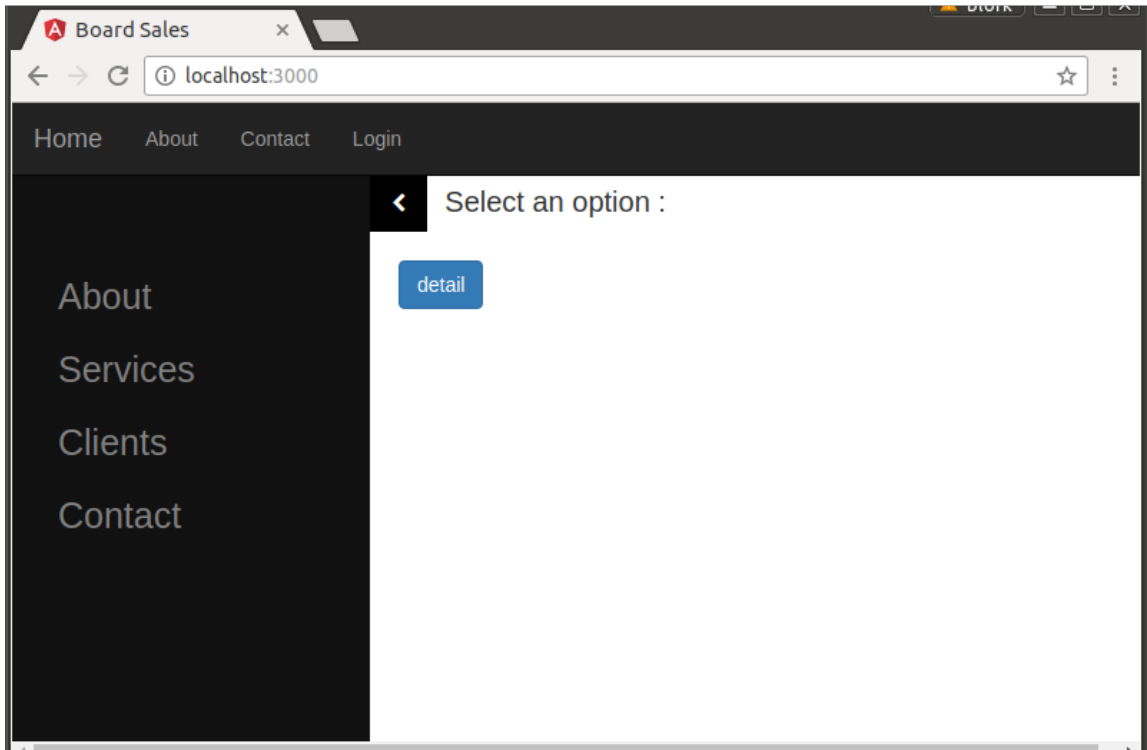
node.exe cmd.exe Search +

```
Cmdr
12 02 2017 13:49:41.577:WARN [karma]: No captured browser, open http://localhost:9876 /
12 02 2017 13:49:41.593:INFO [karma]: Karma v1.2.0 server started at http://localhost:9876/
12 02 2017 13:49:41.593:INFO [launcher]: Launching browser Chrome with unlimited concurrency
12 02 2017 13:49:41.593:INFO [launcher]: Starting browser Chrome
12 02 2017 13:49:43.103:INFO [Chrome 56.0.2924 (Windows 10 0.0.0)]: Connected on socket /#Pb_sIAu-aSHyKKAWAAAA with id 3664052
Chrome 56.0.2924 (Windows 10 0.0.0) src/tests/state.mediator.spec.ts should fail FAILED
    Expected true to be falsy.
      at Object.<anonymous> (webpack:///src/tests/state.mediator.spec.ts:3:21 <-
- src/test.ts:64720:22) [ProxyZone]
        at ProxyZoneSpec.onInvoke (webpack:///~/zone.js/dist/proxy.js:79:0 <- src
/test.ts:49835:39) [ProxyZone]
          at Zone.run (webpack:///~/zone.js/dist/zone.js:113:0 <- src/polyfills.ts:
3096:43) [<root> => ProxyZone]
            at Object.<anonymous> (webpack:///~/zone.js/dist/jasmine-patch.js:102:0 <-
- src/test.ts:49550:34) [<root>]
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 1 of 1 (1 FAILED) (0 secs / 0.002 secs)
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 1 of 1 (1 FAILED) ERROR (0.171 secs / 0
.002 secs)

node.exe cmd.exe Search
```

```
Cmdr
ipt_2nd\source\ch14\node-angular2\src\assets/**" does not match any file.
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 5 of 5 SUCCESS (0.009 secs / 0.003 secs
)
12 02 2017 14:34:13.961:WARN [watcher]: Pattern "E:\source\bitbucket\masteringtypescr
ipt_2nd\source\ch14\node-angular2\src\assets/**" does not match any file.
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 5 of 5 SUCCESS (0.012 secs / 0.004 secs
)
12 02 2017 14:39:16.937:WARN [watcher]: Pattern "E:\source\bitbucket\masteringtypescr
ipt_2nd\source\ch14\node-angular2\src\assets/**" does not match any file.
Chrome 56.0.2924 (Windows 10 0.0.0) src/tests/state.mediator.spec.ts should call show
LoginPanel FAILED
    Expected spy showLoginPanel to have been called.
      at Object.<anonymous> (webpack:///src/tests/state.mediator.spec.ts:61:16
<- src/test.ts:65230:21) [ProxyZone]
        at ProxyZoneSpec.onInvoke (webpack:///~/zone.js/dist/proxy.js:79:0 <- src
/test.ts:49835:39) [ProxyZone]
          at Zone.run (webpack:///~/zone.js/dist/zone.js:113:0 <- src/polyfills.ts:
3095:43) [<root> => ProxyZone]
            at Object.<anonymous> (webpack:///~/zone.js/dist/jasmine-patch.js:102:0 <
- src/test.ts:49550:34) [<root>]
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 5 of 5 (1 FAILED) (0 secs / 0.005 secs)
Chrome 56.0.2924 (Windows 10 0.0.0): Executed 5 of 5 (1 FAILED) (0.177 secs / 0.005 s
ecs)

node.exe cmd.exe
```




Board Sales

localhost:3000

Home About Contact Login


Select an option :

Radical Quad
Radical Wave Board




Sizes:
68
74
82

Thruster Quad
Allround Wave Board




Sizes:
73
83
93

Freestyle Wave
Wave Board | Small
Allround




Sizes:
77
85
93


Freestyle
Freestyle Board



All Ride
Medium Allround
FreeRider



Magic Ride
Manoever Oriented
FreeRider





Board Sales

localhost:3000

Home About Contact Login

TwinTip Ltd V4

Freestyle Pro



The Twin Tip V4 is RRD's pure blooded long running and highly popular Freestyle Board line. This year the TT is considerably wider in the mid rear section of the board and slightly narrower in the mid front section to allow a more parallel line flow: the new outline enables the board to have more leverage in this area in order to enhance the pop, and also have more surface area for easier landings. The more parallel lines of the outline also further improve the speed of the board and its upwind capacity, as we have found already in our Wave Cult Quads.

Available Sizes:

Volume	Width	Length	Sail Min	Sail Max
91	59.5	230	3.3	5.2
101	63	227	4.2	5.7

Board Sales

localhost:3000/#

Home About Contact Login

Apply Filter :

Manufacturer

- RRD
- JP Australia
- Starboard


Board Types


- Wave
- Freestyle
- Slalom

All


Clear Filter


Select an option :

Firemove Ltd V2 
Wide Body
Freemove





Sizes:
102
112
122

X-Fire Ltd V7 
Slalom / Race



Sizes:
105
114
122

Isonic Slalom 
Slalom



Sizes:
80
87
90

Board Sales

localhost:3000/#


Home About Contact Login

Please Login : ✕

Username

Password

Login



s of ridng waves all over the world with the Hardcore wave
we have been able to test lots of different new shapes or
boards, used with different riding styles. Today we have been able
new magic shapes. The HardcoreWave V5 are the most vesatile
boards ever build it since their introduction in our collection. 4
n 10lt of difference in between 98 all the way down to 68 all
with 4 Fins slot box system for maxium drive trough the top and
s.

e Sizes:

Width	Length	Sail Min	Sail Max
53.5	227	3.2	4.7
55.5	227	3.7	5.3
58.5	228	4.2	5.6