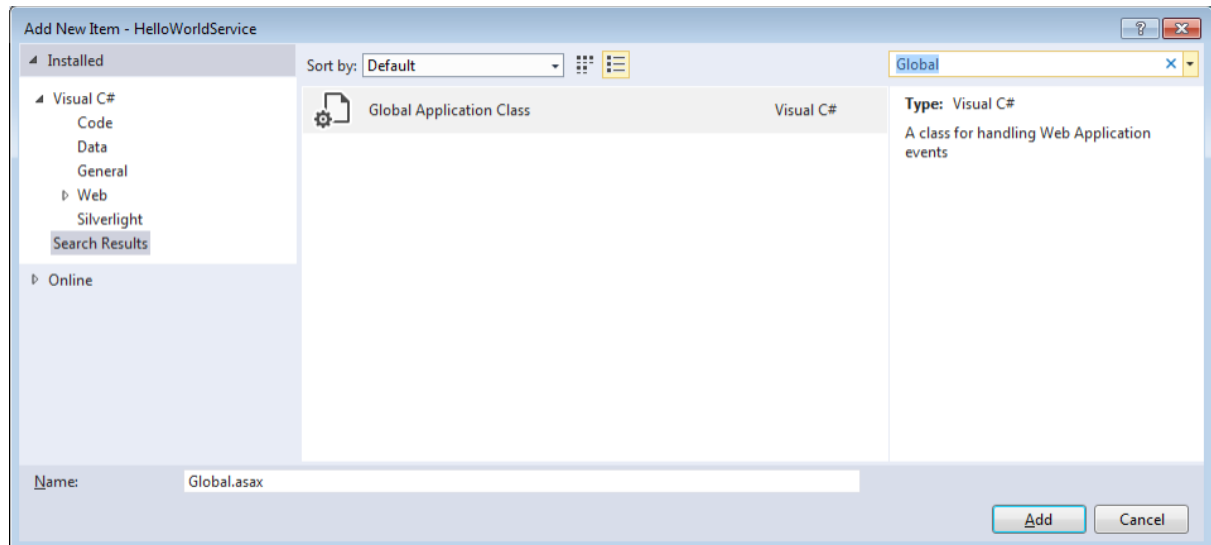
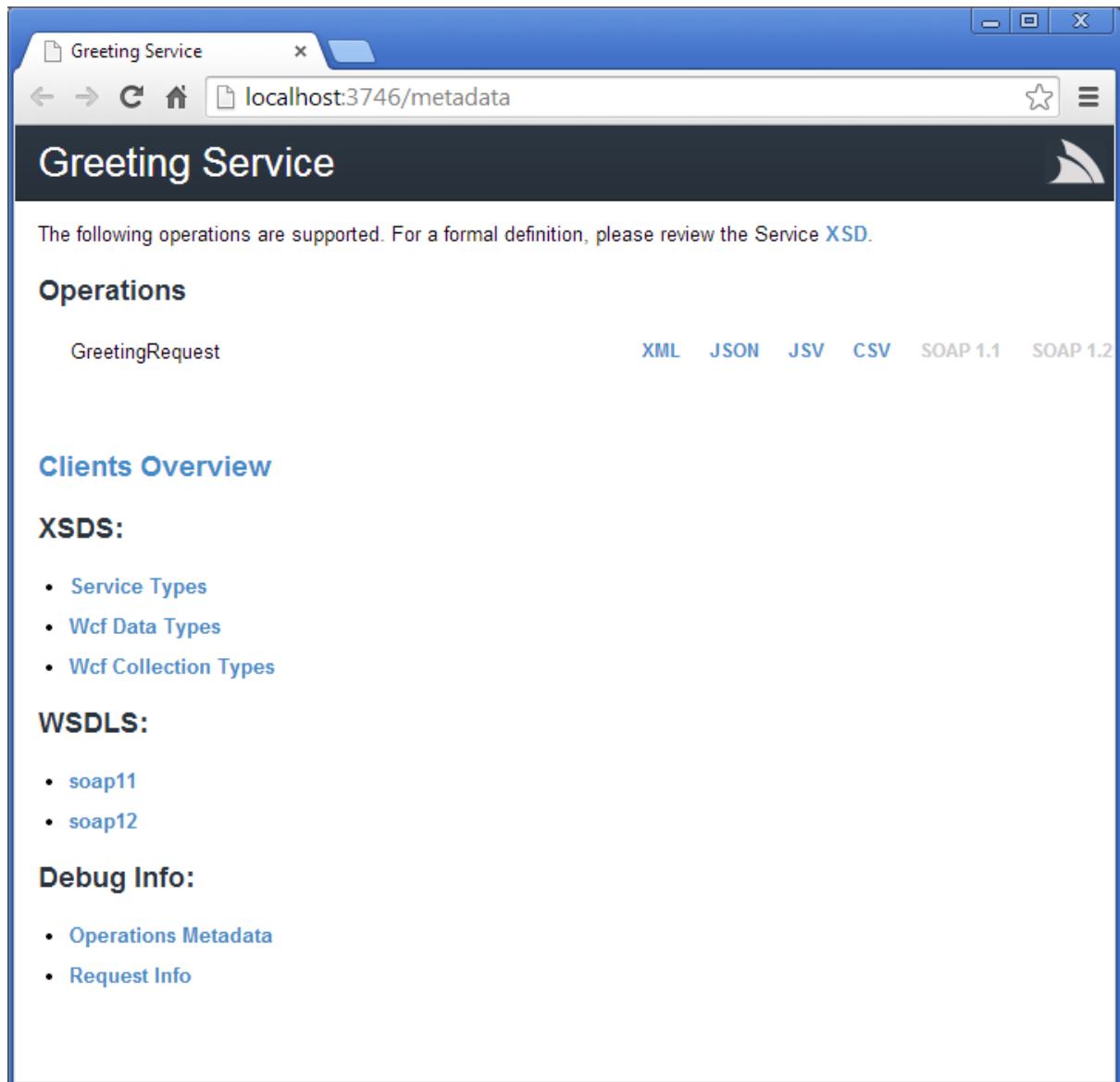


Chapter 1





Greeting Service

localhost:3746/metadata

Greeting Service

The following operations are supported. For a formal definition, please review the Service [XSD](#).

Operations

GreetingRequest

[XML](#) [JSON](#) [JSV](#) [CSV](#) [SOAP 1.1](#) [SOAP 1.2](#)

Clients Overview

XSDS:

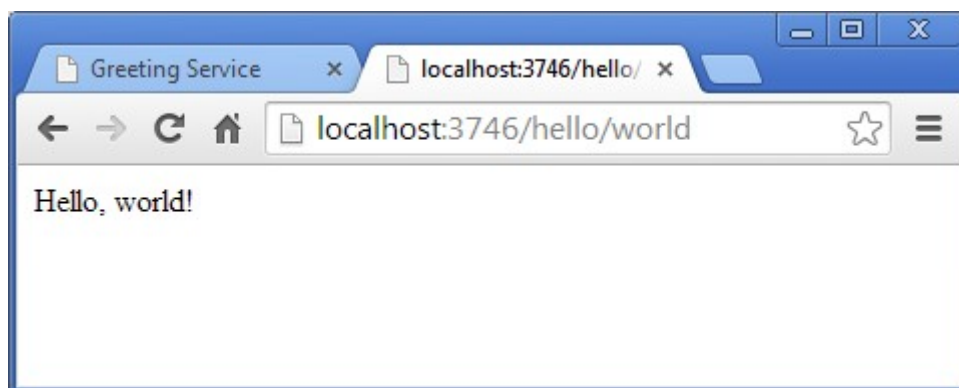
- [Service Types](#)
- [Wcf Data Types](#)
- [Wcf Collection Types](#)

WSDLs:

- [soap11](#)
- [soap12](#)

Debug Info:

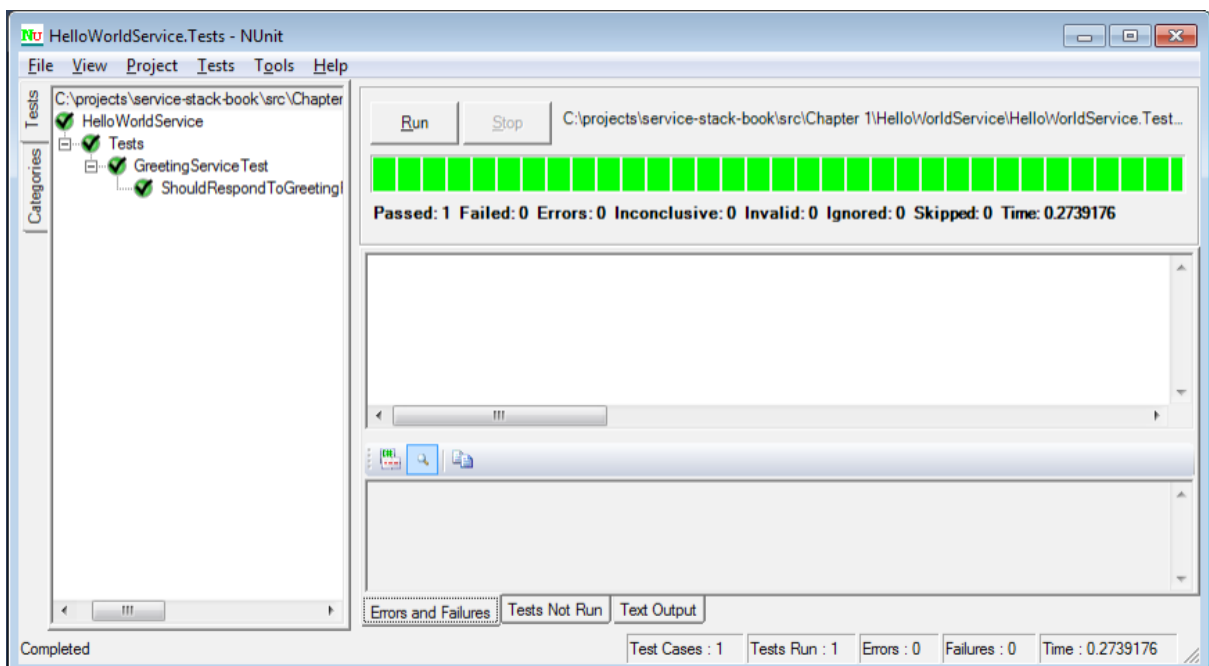
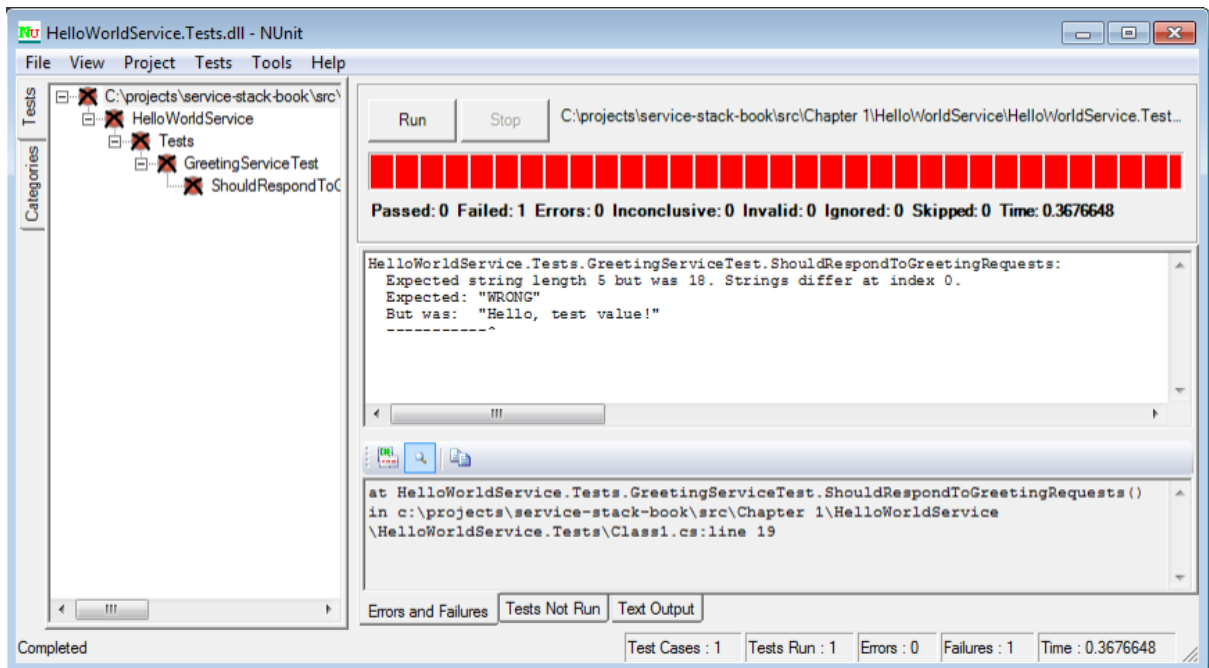
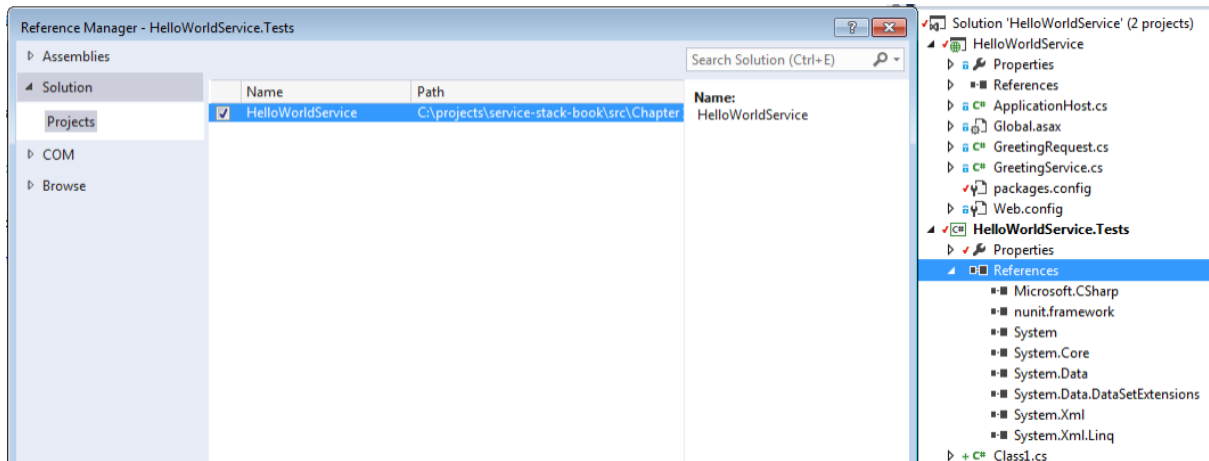
- [Operations Metadata](#)
- [Request Info](#)



Greeting Service

localhost:3746/hello/world

Hello, world!



HTTP Error 403.14 - Forbidden

The Web server is configured to not list the contents of this directory.

localhost:9090/api/metadata

Recipe 3 - Isolating Routes

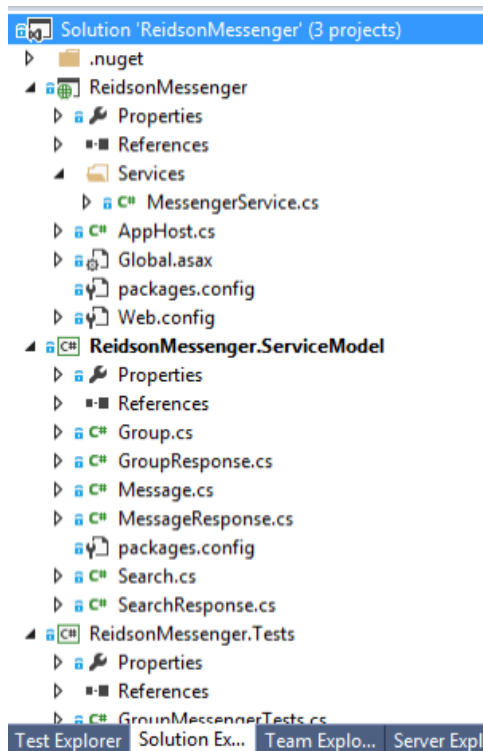
The following operations are supported. For a formal definition, please review the Service [XSD](#).

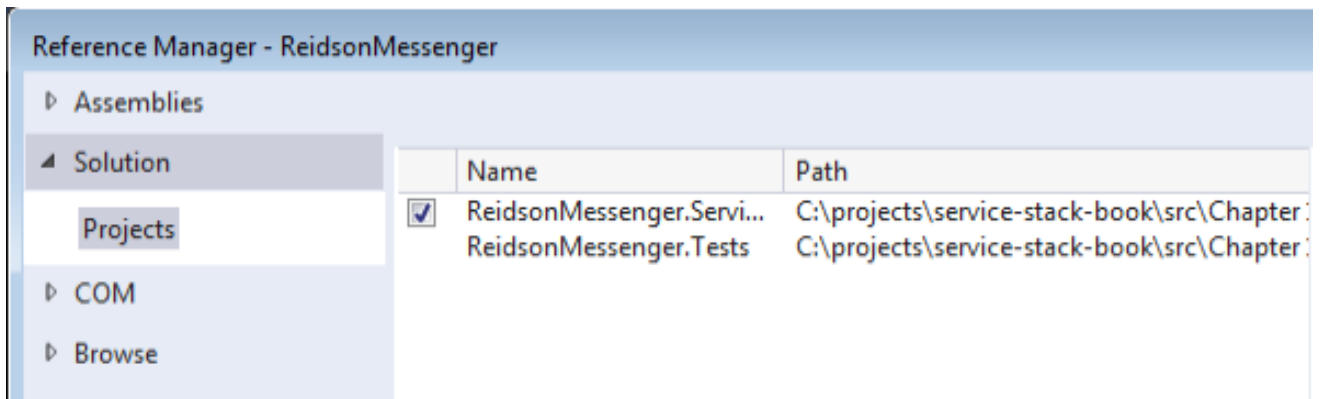
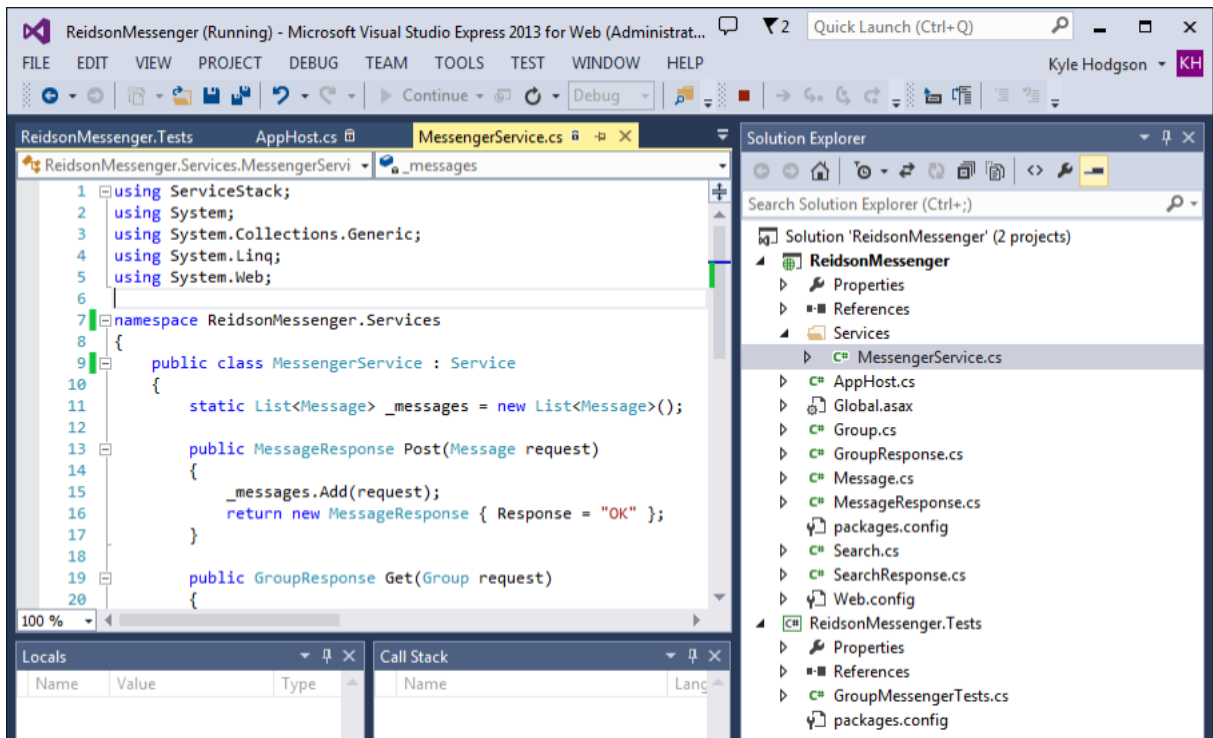
Using Plugins

The following operations are supported. For a formal definition, please review the Service [XSD](#).

Operations

AssignRoles	XML	JSON	JSV	CSV	SOAP 1.1	SOAP 1.2
Authenticate	XML	JSON	JSV	CSV	SOAP 1.1	SOAP 1.2
GreetingRequest	XML	JSON	JSV	CSV	SOAP 1.1	SOAP 1.2
Register	XML	JSON	JSV	CSV	SOAP 1.1	SOAP 1.2
UnAssignRoles	XML	JSON	JSV	CSV	SOAP 1.1	SOAP 1.2





Chapter 2

Read all places

Get All Places

Output

Read all successful

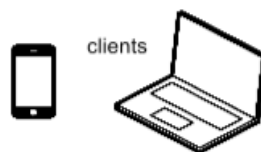
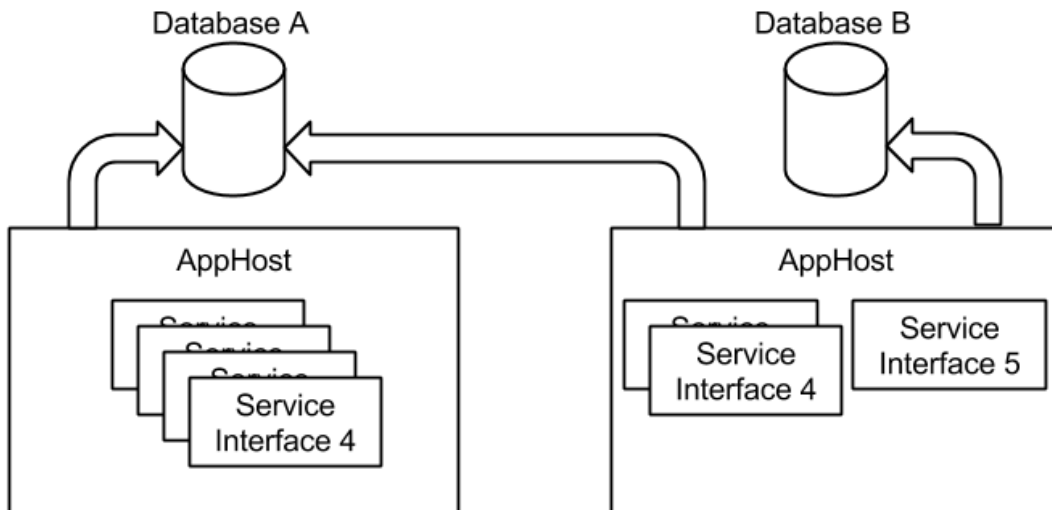
```
{ "Places": [ { "Id": 1, "Name": "Canberra", "Description": "Capital city of Australia" }, { "Id": 2, "Name": "Toronto", "Description": "Provincial capital of Ontario" }, { "Id": 3, "Name": "Auckland, New Zealand", "Description": "A city in the north island" } ] }
```

Create a place

Name

Description

Create





[<back to all web services](#)

Group

The following routes are available for this service:

All Verbs	/groups/
All Verbs	/groups/{GroupName}



[<back to all web services](#)

Group

The following routes are available for this service:

All Verbs	/groups/
GET	/groups/{GroupName}

Solution 'ReidsonMessenger' (4 projects)

└─ .nuget

└─ ReidsonMessenger

└─ Properties

└─ References

└─ Services

└─ MessengerService.cs

└─ AppHost.cs

└─ Global.asax

└─ packages.config

└─ Web.config

└─ ReidsonMessenger.ServiceClient

└─ Properties

└─ References

└─ packages.config

└─ Program.cs

└─ ReidsonMessenger.ServiceModel

└─ Properties

└─ References

└─ Group.cs

└─ GroupResponse.cs

└─ Message.cs

└─ MessageResponse.cs

└─ packages.config

└─ Search.cs

└─ SearchResponse.cs

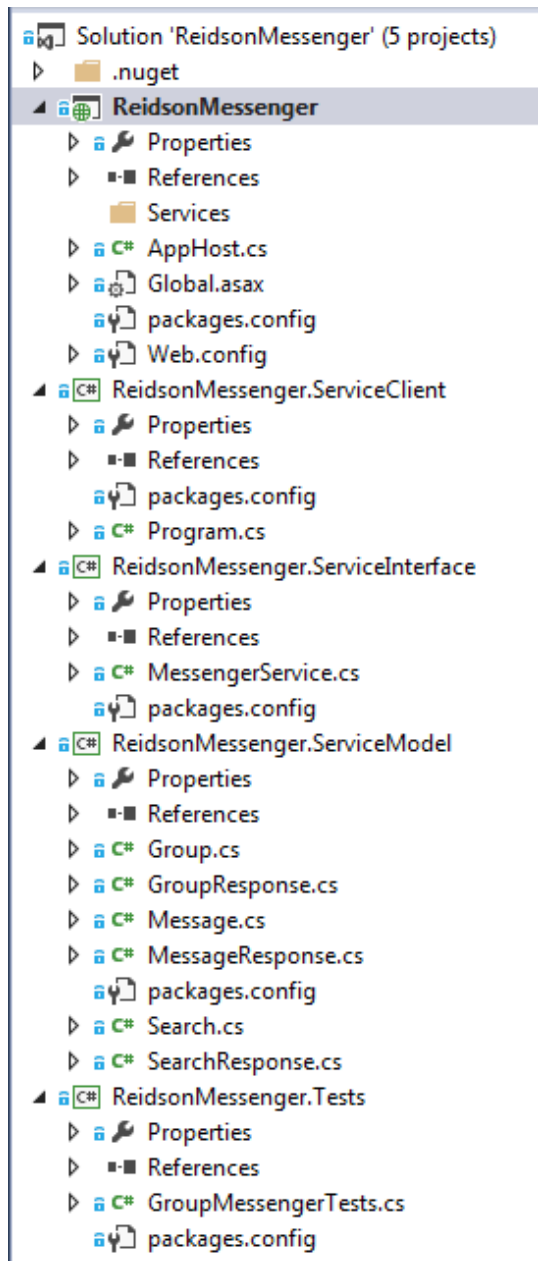
└─ ReidsonMessenger.Tests

└─ Properties

└─ References

└─ GroupMessengerTests.cs

└─ packages.config



```
file:///C:/projects/service-stack-book/src/Chapter 2/Recipe3/te
Listening on http://localhost:2202/
Push any key to stop.
```

LegacyHelloWorldRequest

http://localhost:24226/hello?user_friendly_name_1=Reader POST URL params Headers (1)

form-data x-www-form-urlencoded raw

Key Value Text

Send Save Preview Add to collection Reset

Body Cookies (3) Headers (12) STATUS 200 OK TIME 16 ms

Pretty Raw Preview

Hello, Reader

http://localhost:20820/places GET URL params Headers (1)

Send Preview Add to collection Reset

Body Cookies (10) Headers (9) STATUS 200 OK TIME 81 ms

Pretty Raw Preview JSON XML

```
1 {
2   "Places": [
3     {
4       "0_Name": "CANBERRA",
5       "1_Description": "Capital city of Australia"
6     },
7     {
8       "0_Name": "TORONTO",
9       "1_Description": "Provincial capital of Ontario"
10    },
11    {
12      "0_Name": "AUCKLAND",
13      "1_CountryName": "NEW ZEALAND",
14      "2_Description": "A city in the north island"
15    }
16  ]
17 }
```

Normal Basic Auth Digest Auth OAuth 1.0 No environment 0

SessionInfoRequest

http://localhost:37028/admin/users GET URL params Headers (1)

Send Save Preview Add to collection Reset

Body Cookies (4) Headers (12) STATUS 200 OK TIME 205 ms

Pretty Raw Preview

```
{
  "UserAuths": [
    {
      "Id": 1,
      "UserName": "darrenreid",
      "Email": "darren.reid@reidsonindustries.net",
      "FirstName": "Darren",
      "LastName": "Reid",
      "DisplayName": "Darren",
      "Roles": [
        "Admin"
      ],
      "Permissions": [],
      "CreateDate": "/Date(1400586018645-0000)/",
      "ModifiedDate": "/Date(1400586018645-0000)/",
      "InvalidLoginAttempts": 0
    },
    {
      "Id": 2,
      "UserName": "kylehodgson",
      "Email": "kyle.hodgson@reidsonindustries.net",
      "FirstName": "Kyle",
      "LastName": "Hodgson",
      "Roles": [
        "Admin"
      ],
      "Permissions": [],
      "CreateDate": "/Date(1400586018645-0000)/",
      "ModifiedDate": "/Date(1400586018645-0000)/",
      "InvalidLoginAttempts": 0
    }
  ]
}
```

Normal Basic Auth Digest Auth OAuth 1.0 No environment 0

http://localhost:37028/admin/users GET URL params Headers (1)

Send Preview Add to collection Reset

Body Cookies (3) Headers (12) STATUS 401 Unauthorized TIME 32 ms

Pretty Raw Preview

Normal Basic Auth Digest Auth OAuth 1.0 No environment 0

http://localhost:37028/auth/credentials?format=json POST URL params Headers (0)

form-data x-www-form-urlencoded raw

UserName guest Text

Password guest Text

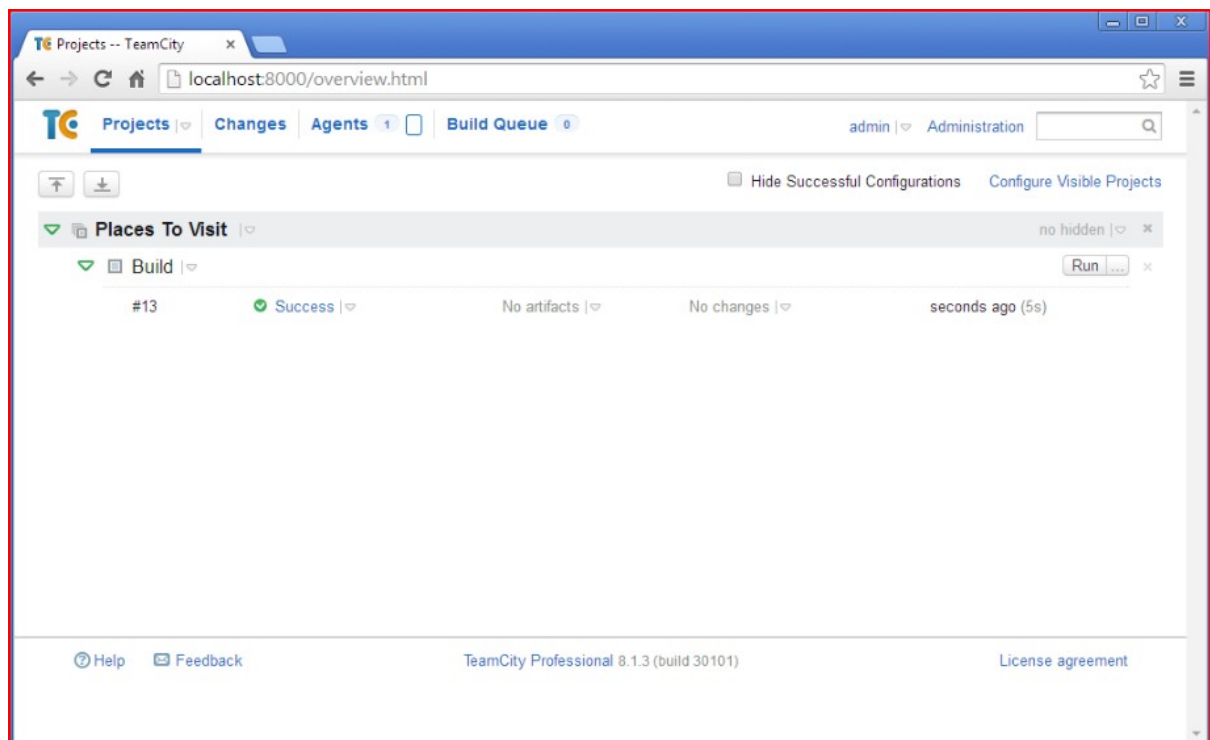
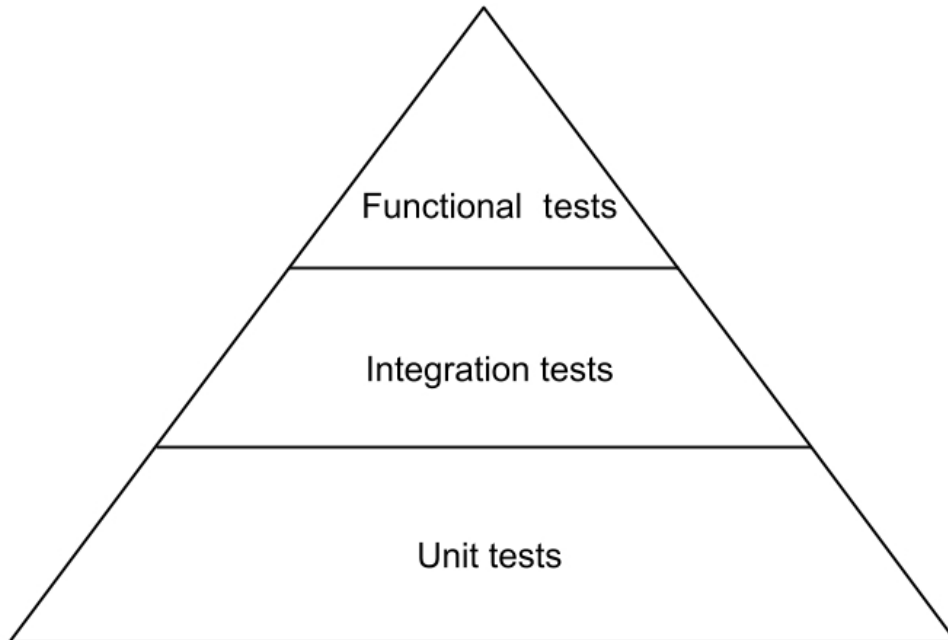
Key Value Text

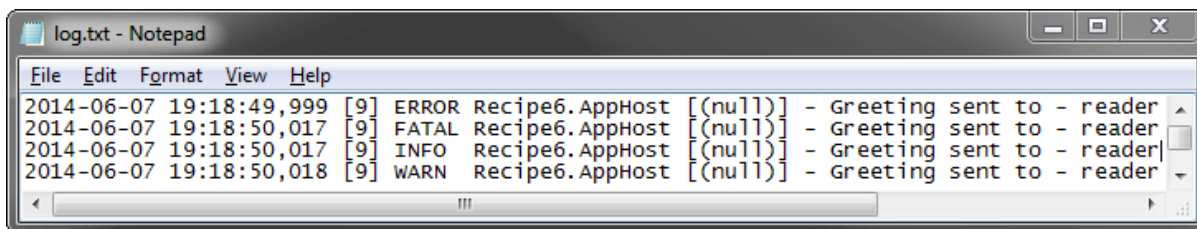
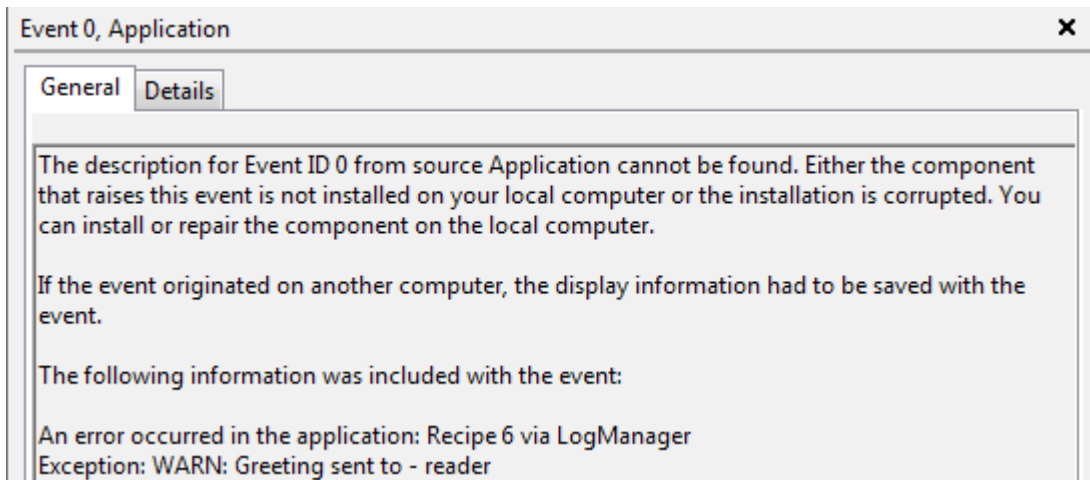
Send Preview Add to collection Reset

```
localhost:2202/images/hello?format=json
[
  "http://farm8.staticflickr.com/7519/15164927664_7dda454a0c.jpg",
  "http://farm9.staticflickr.com/8420/15600045630_a6414ba15b.jpg",
  "http://farm8.staticflickr.com/7566/15165404193_7efbcd2ea4.jpg",
  "http://farm6.staticflickr.com/5614/15784463645_307e46c029.jpg",
  "http://farm9.staticflickr.com/8540/15164873133_8a5b9c0314.jpg",
  "http://farm6.staticflickr.com/5610/15164335404_d4e23ccf76.jpg",
  "http://farm8.staticflickr.com/7583/15785747072_b35fe54599.jpg",
  "http://farm8.staticflickr.com/7563/15599336900_166aab82dd.jpg",
  "http://farm9.staticflickr.com/8679/15782133451_d2f1f82c60.jpg",
  "http://farm6.staticflickr.com/5604/15598200149_9c60a1ac99.jpg",
  "http://farm8.staticflickr.com/7518/15760270756_097c6d1fe0.jpg",
  "http://farm9.staticflickr.com/8536/15598061099_bbc74da23c.jpg",
  "http://farm8.staticflickr.com/7540/15164453103_0c3d63955a.jpg",
  "http://farm8.staticflickr.com/7505/15760229106_8193642233.jpg",
  "http://farm8.staticflickr.com/7467/15598728397_4232cf564b.jpg",
  "http://farm6.staticflickr.com/5603/15598321118_bd0ffbfa4.jpg",
  "http://farm8.staticflickr.com/7557/15598378878_5581781111.jpg"
]
```

Chapter 3

Testing pyramid





Response Status

Error Code Name is too short

Message Name is too short

Stack Trace

```
[GreetingRequest: 8/06/2014 6:37:56 AM]: [REQUEST: {Name:z}]
ServiceStack.HttpError: Name is too short at
Greetings.ServiceInterface.GreetingService.Get(GreetingRequest
request) in c:\projects\service-stack-book\src\Chapter 3\Recipe
6\Greetings.ServiceInterface\GreetingService.cs:line 14 at
lambda_method(Closure , Object , Object ) at
ServiceStack.Host.ServiceRunner`1.Execute(IRequest request,
Object instance, TRequest requestDto)
```



Sun 8/06/2014 4:38 PM

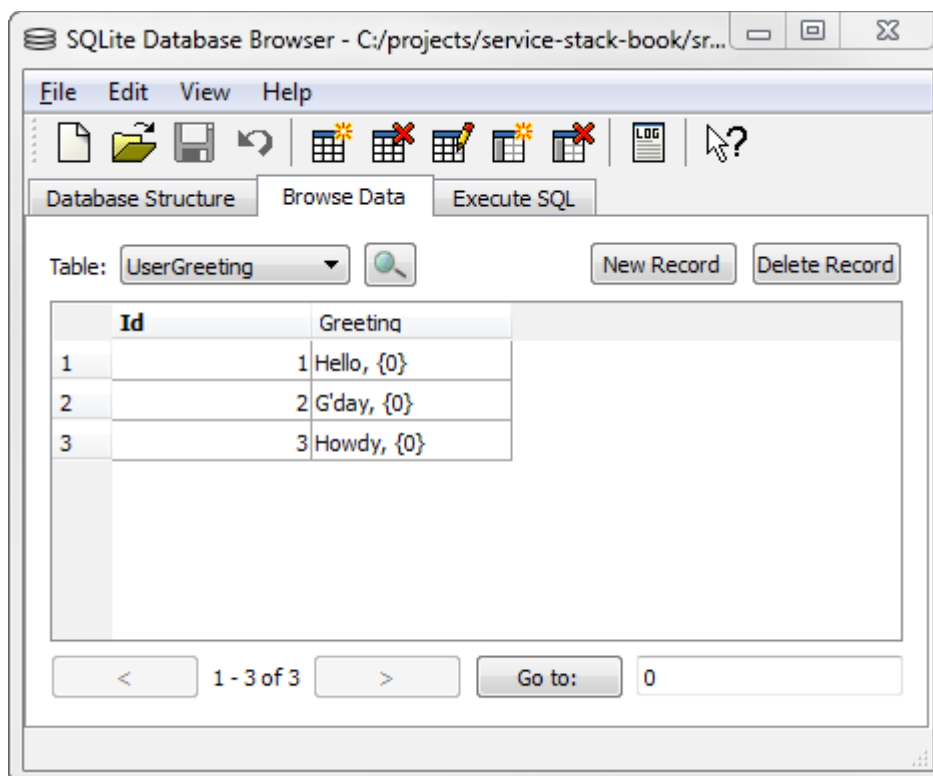
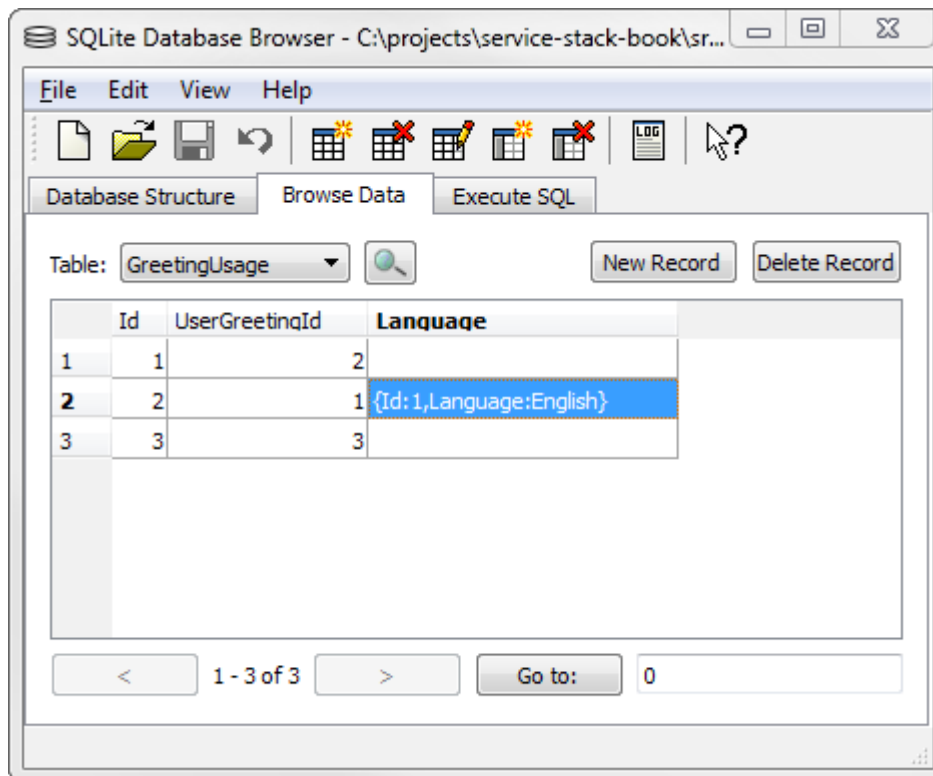
system@example.com

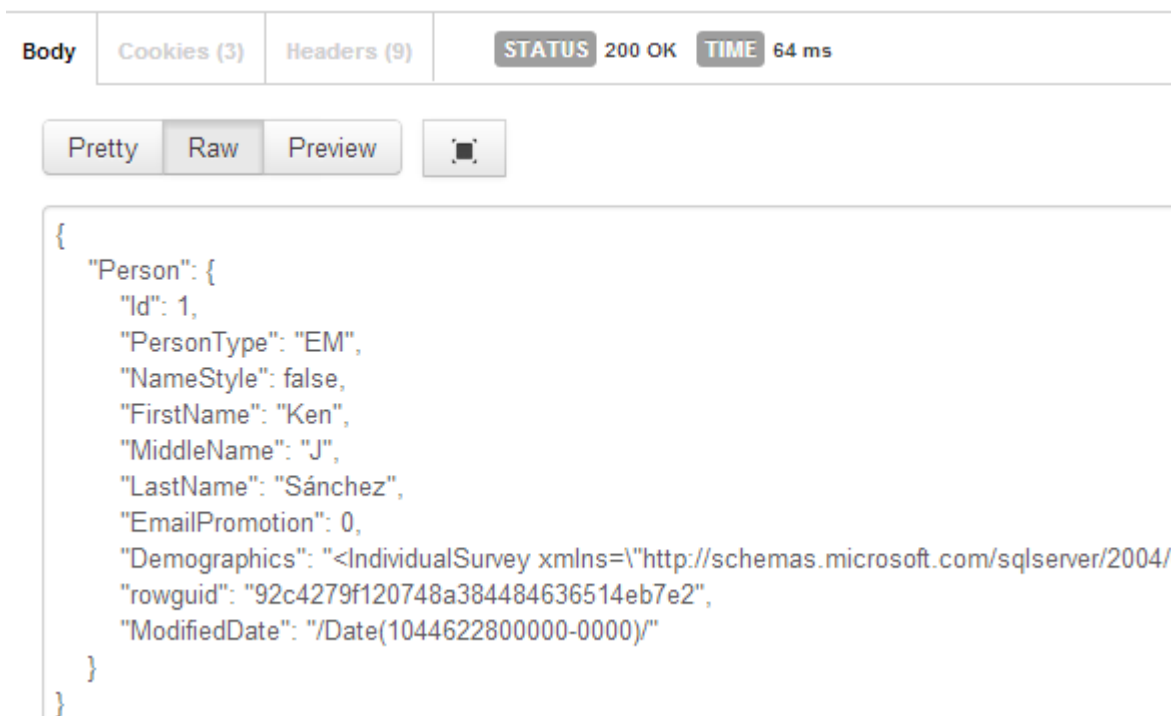
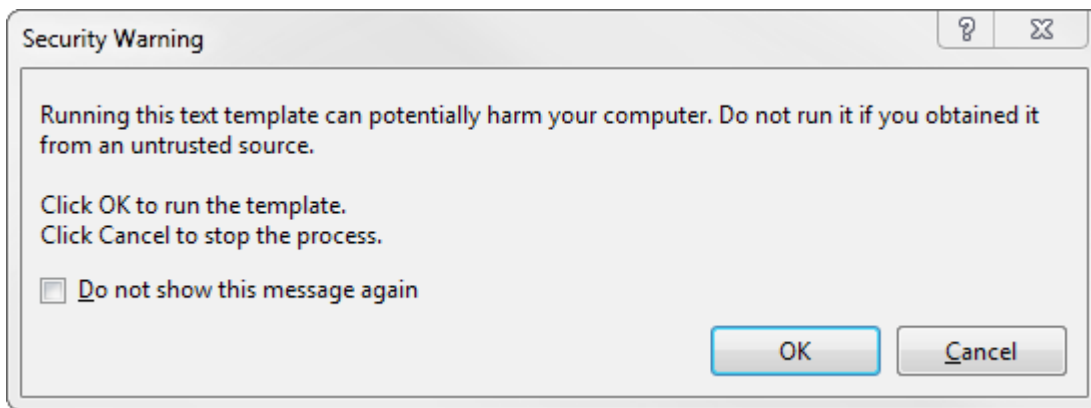
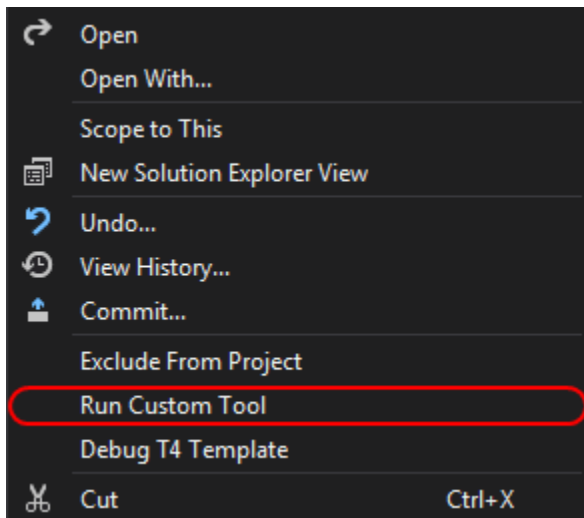
Error: ServiceBase<TRequest>::Service Exception

To reader@example.com

```
Error: ServiceBase<TRequest>::Service Exception
at Greetings.ServiceInterface.GreetingService.Get(GreetingRequest request) in c:\projects\service-stack-book\src\Chapter 3\Recipe 6\Greetings.ServiceInterface\GreetingService.cs:line 14
at lambda_method(Closure , Object , Object )
at ServiceStack.Host.ServiceRunner`1.Execute(IRequest request, Object instance, TRequest requestDto)
```

Chapter 4





Normal

Basic Auth

Digest Auth


OAuth 1.0


 No environment 

  0

http://localhost:17894/employees/8/managers

GET 

 URL params

 Headers (1)

Send

Preview

Add to collection

Reset

Body

Cookies (3)

Headers (9)

STATUS 200 OK TIME 211 ms

Pretty

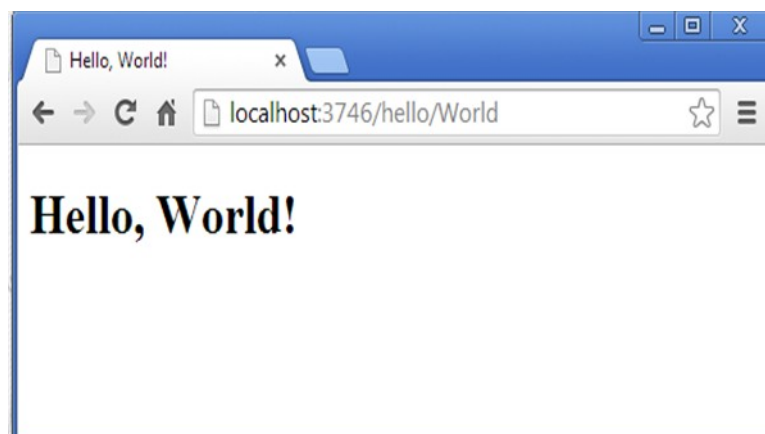
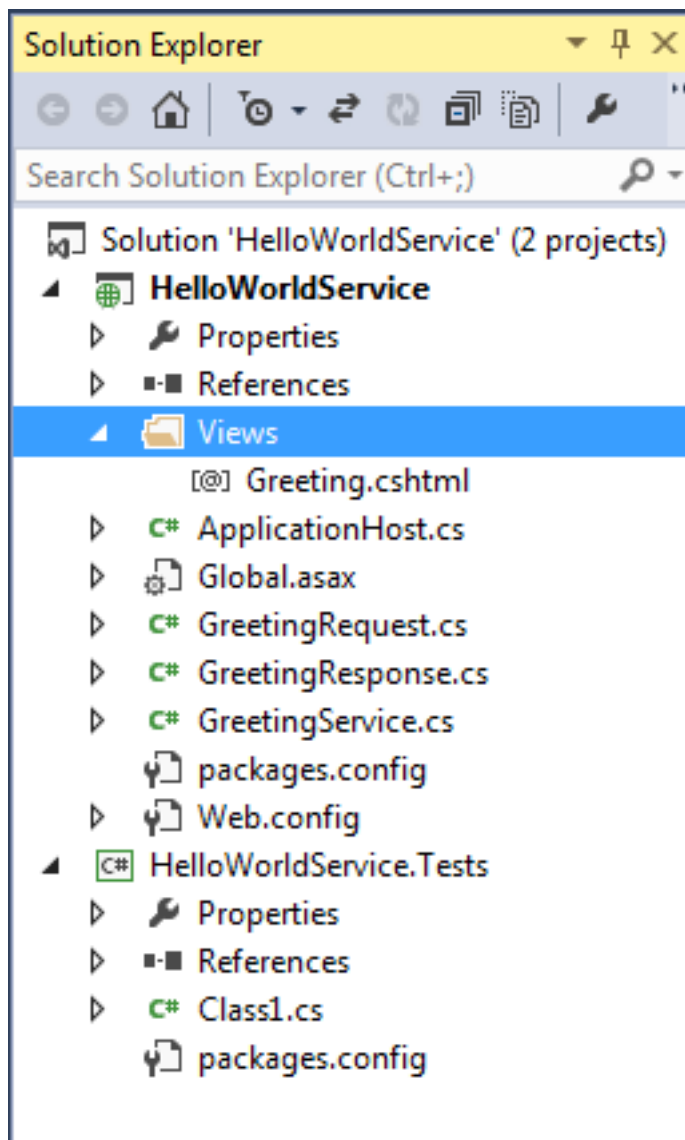
Raw

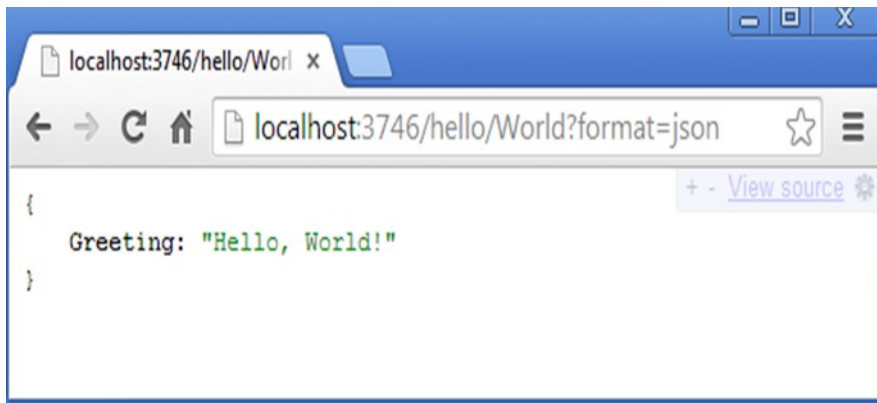
Preview



```
{
  "EmployeeWithManagers": [
    {
      "Id": 8,
      "RecursionLevel": 0,
      "FirstName": "Diane",
      "LastName": "Margheim",
      "OrganizationNode": "/1/1/4/1/",
      "ManagerFirstName": "Dylan",
      "ManagerLastName": "Miller"
    }
  ],
}
```

Chapter 5





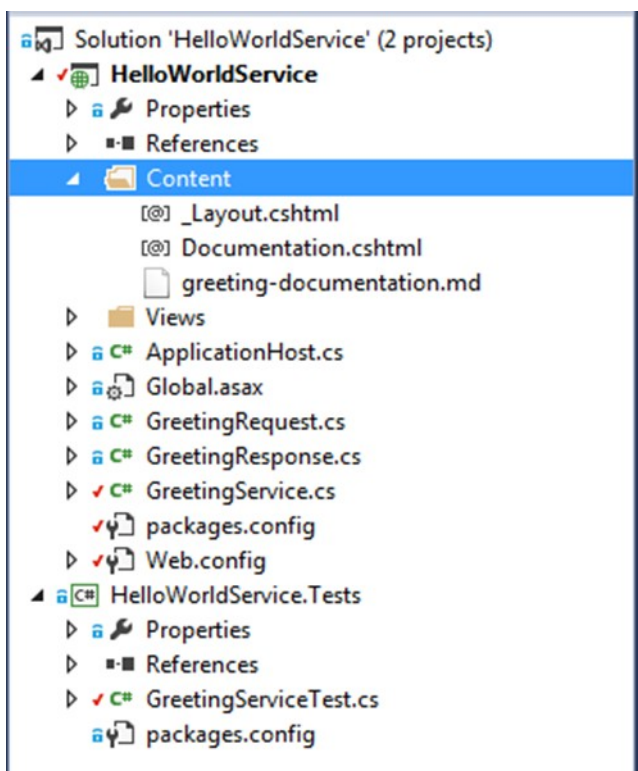
This will be an H1

Markdown is very useful stuff!

This will be an H2

You can easily format text and organize documents with it. Using the GitHub extensions, you can easily display source code like this:

```
var a = "Hello World!";  
console.log(a);
```



The screenshot shows a web browser window with the title "Service Documentation". The address bar displays "localhost:3746/Content/Documentation". The main content area features a large heading "Service Documentation" followed by a sub-heading "Reidson Industries Greeting Service". Below this, a paragraph states: "Reidson Industries is pleased to announce version 1.0 of its greeting service." A section titled "Introduction" contains a bulleted list of instructions for using the service. An example JSON URL is provided, and the resulting JSON output is shown at the bottom.

Service Documentation

Reidson Industries Greeting Service

Reidson Industries is pleased to announce version 1.0 of its greeting service.

Introduction

- Using the Reidson Industries Greeting service is simple. First, you must decide who you would like to greet. We'll call this the greeting recipient.
- Next, create a URL that first contains the route to the service, /hello, followed by the name of the recipient: /hello/{recipient}
- By default the greeting service renders the greeting using the greeting viewer. If you'd prefer JSON, simply add the appropriate request header or ?format=json to the URL.

An [example JSON URL](#) is below.

```
http://servername/hello/example-recipient?format=json
```









The result of calling such a service would be the JSON including the Greeting.

```
{"Greeting": "Hello, example-recipient!"}
```

The screenshot shows the "Properties" window in Visual Studio for the file "greeting-documentation.md". The window is divided into "Advanced" and "Misc" sections. The "Advanced" section includes fields for "Browse to URL", "Build Action" (set to "Content"), "Copy to Output Dir" (set to "Do not copy"), "Custom Tool", and "Custom Tool Name". The "Misc" section includes "File Name" (set to "greeting-documentation") and "Full Path" (set to "C:\projects\service-stack").

Advanced	
Browse to URL	
Build Action	Content
Copy to Output Dir	Do not copy
Custom Tool	
Custom Tool Name	

Misc	
File Name	greeting-documentation
Full Path	C:\projects\service-stack

.NET Framework 4.5	Sort by: Default	 
	ServiceStack ASP.NET Empty	Visual C#
	ServiceStack ASP.NET MVC5	Visual C#
	ServiceStack ASP.NET with AngularJS	Visual C#
	ServiceStack ASP.NET with Bootstrap	Visual C#
	ServiceStack ASP.NET with Razor	Visual C#
	ServiceStack Self Host Empty	Visual C#

Hello World Service

<input type="text" value="First Name"/>	Email: <input type="text"/>
<input type="text" value="Last Name"/>	Password: <input type="text"/>
<input type="text" value="Email"/>	<input type="button" value="Sign In"/>
<input type="text" value="Password"/>	
<input type="button" value="Register"/>	

Email:

test@test.com

Password:

.....

Invalid Username or Password

Sign In

Hello World Se

Test

McTest

test@test

'Email' is not a valid email address.

.....

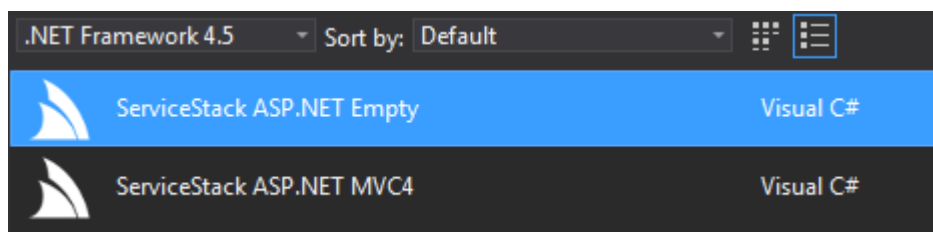
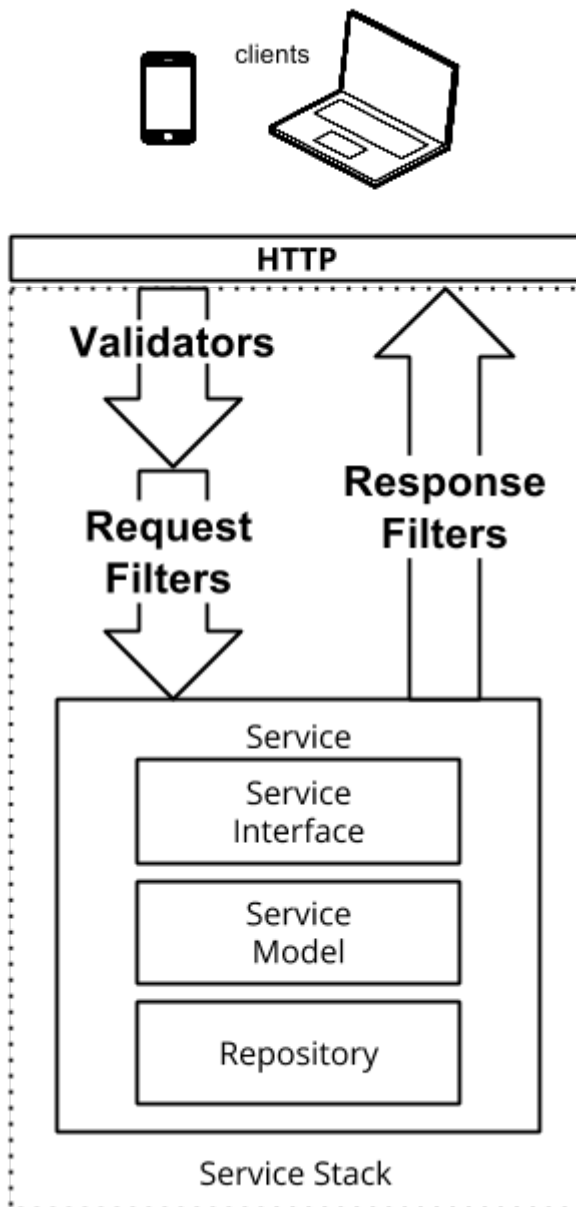
Register

Hello World Service

world

Hello, world!

Chapter 6



Hello-Request-Processed-DateTime → 17:2:52 PM +10:00

Server → Microsoft-IIS/8.0

Vary → Accept








X-AspNet-Version → 4.0.30319

Hello-Request-Message-Processed → Hello, test!

Hello-Request-Processed-DateTime → 17:2:52 PM +10:00

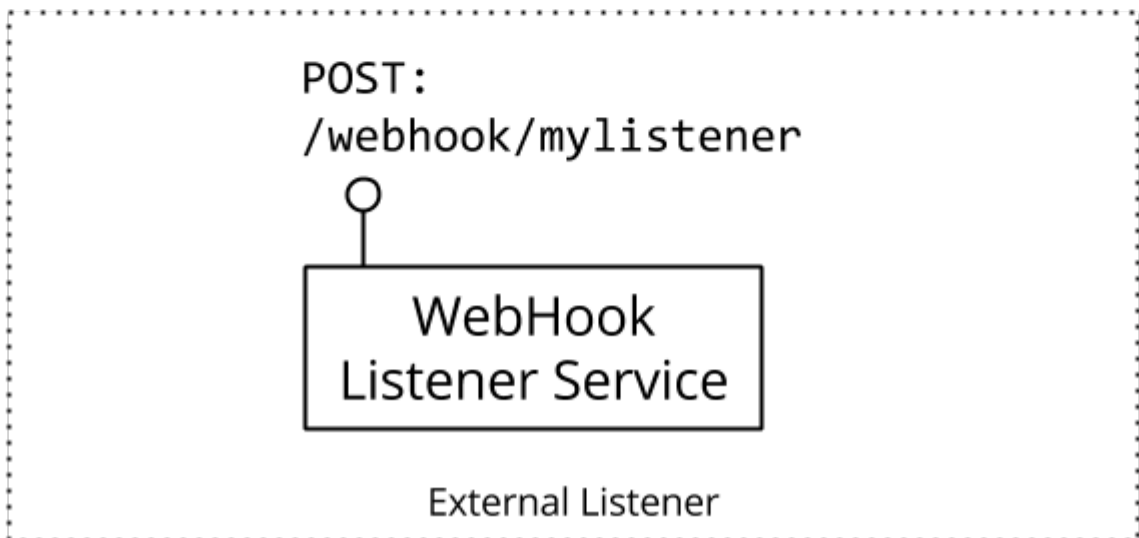
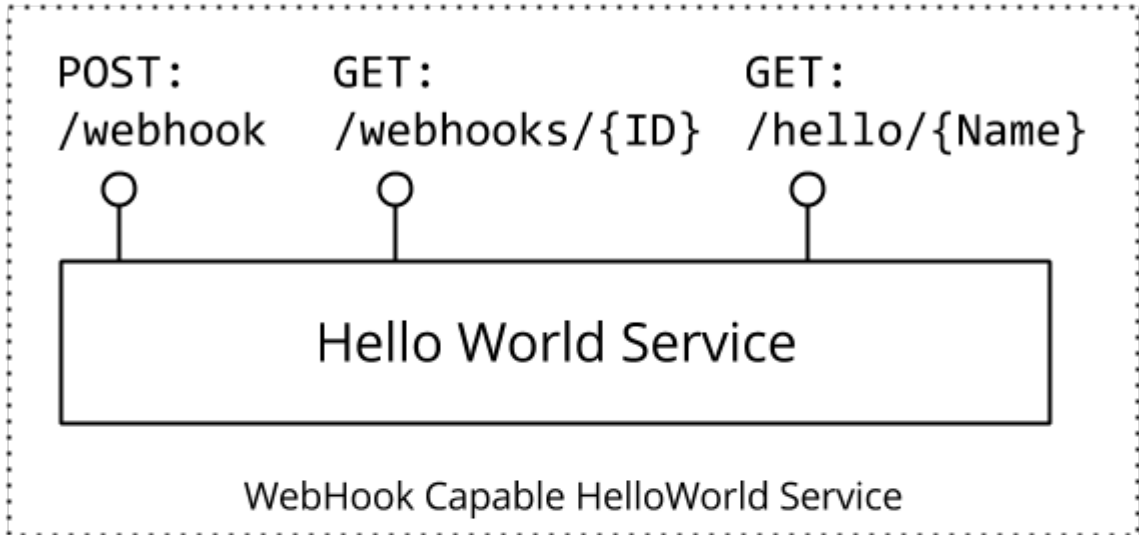
Server → Microsoft-IIS/8.0

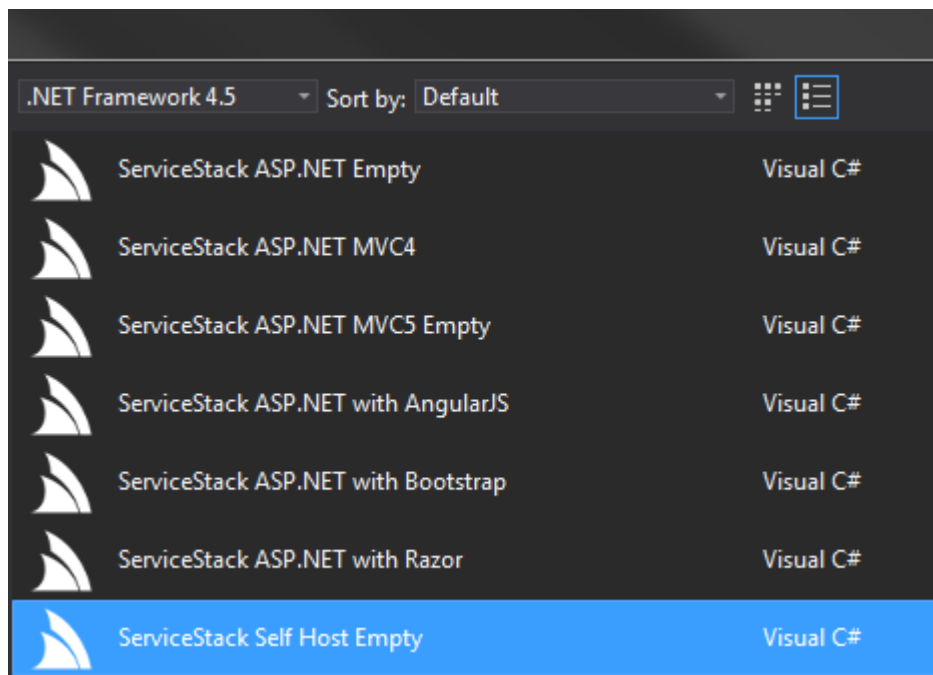
Vary → Accept

	ServiceStack ASP.NET Empty	Visual C#
	ServiceStack ASP.NET MVC4	Visual C#
	ServiceStack ASP.NET MVC5 Empty	Visual C#
	ServiceStack ASP.NET with AngularJS	Visual C#
	ServiceStack ASP.NET with Bootstrap	Visual C#
	ServiceStack ASP.NET with Razor	Visual C#
	ServiceStack Self Host Empty	Visual C#

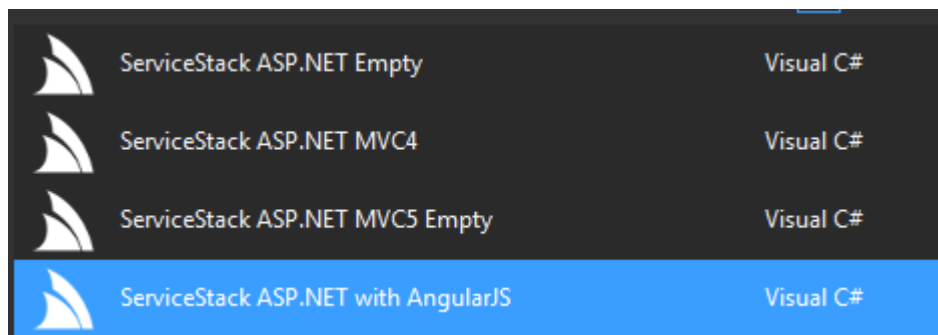


Client











```
ServiceStack SelfHost listening at http://localhost:8088
```





Normal Basic Auth Digest Auth OAuth 1.0  No environment ▼

http://localhost:53204/json/reply/Register

form-data	x-www-form-urlencoded	raw
UserName	Test	Text ▼ 
FirstName	Joe	Text ▼ 
LastName	Smith	Text ▼ 
DisplayName	Testing	Text ▼ 
Email	test@test.com	Text ▼ 
Password	<u>TestTest123</u>	Text ▼ 
Key	Value	Text ▼





Normal Basic Auth Digest Auth OAuth 1.0  No environment ▼

http://localhost:53204/auth/credentials

form-data	x-www-form-urlencoded	raw
UserName	Test	
Password	TestTest123	
Key	Value	

Normal | Basic Auth | Digest Auth | OAuth 1.0 |  No environment ▾

http://localhost:53204/webhook

form-data	x-www-form-urlencoded	raw
url	p://localhost:8088/webhook/mylistener	Text ▾ 
name	Hello webhook	Text ▾ 
incomingVerb	POST	Text ▾ 
incomingRequestType	Hello	Text ▾ 
Key	Value	Text ▾

Send | Preview | Add to collection

Body | Cookies (8) | Headers (12) | **STATUS** 200 OK

Cache-Control → private
Content-Length → 25
Content-Type → application/json; charset=utf-8
Date → Fri, 22 Aug 2014 00:47:46 GMT
RateLimit → 5
Remaining → 4
Reset → 1408668476

Body | Cookies (8) | Headers (9) | **STATUS** 429 Too Many Requests

Chapter 7

Handler for Request not found:

```
Request.HttpMethod: GET  
Request.PathInfo: /login  
Request.QueryString: redirect=http%3a%2f%2flocalhost%3a52690%2fhello%2ftest  
Request.RawUrl: /login?redirect=http%3a%2f%2flocalhost%3a52690%2fhello%2ftest
```

Register

http://localhost:52690/register|

POST

URL params

Headers (1)

form-data

x-www-form-urlencoded

raw

UserName

TestUser

Text



FirstName

Joe

Text



LastName

Blogs

Text



DisplayName

Joe

Text



Email

joe@test.com

Text



Password

testtest

Text



Key

Value

Text

Send

Save

Preview

Add to collection

Reset

http://localhost:52690/auth/credentials

POST

URL params

Headers (1)

form-data

x-www-form-urlencoded

raw

UserName

TestUser

Text



Password

testtest

Text



Key

Value

Text

Send

Preview

Add to collection

Reset

Body

Cookies (11)

Headers (9)

STATUS 200 OK

TIME 158 ms

Pretty

Raw

Preview



JSON

XML

```
1 {
2   "SessionId": "BPJPowKKMh4o3t8H90u8",
3   "UserName": "TestUser",
4   "ResponseStatus": {}
5 }
```

Twitter Apps

You don't currently have any Twitter Apps.

Create New App

Website *

http://localdev.reidsonindustries.net:54511/

Your application's publicly accessible home page, where users can go to download, make source attribution for tweets created by your application and will be shown in user-facing areas. (If you don't have a URL yet, just put a placeholder here but remember to change it later.)

Callback URL

http://localdev.reidsonindustries.net:54511/auth/twitter

Where should we return after successfully authenticating? OAuth 1.0a applications should use this field. To restrict your application from using callbacks, leave this field blank.

Reidson Industries

Details

Settings

API Keys

Permissions

Application settings

Keep the "API secret" a secret. This key should never be human-readable in your application.

API key 89ACol4UtKgZgmfFwFXOyXOIb

API secret

Access level

Read-only (modify app permissions)



Home

 Sign in with Twitter

Hello World Service


Type your name

Google Developers Console


Projects

Create Project

New Project

PROJECT NAME 

My Project

PROJECT ID 

noble-freehold-703



Create

Cancel

OAuth

OAuth 2.0 allows users to share specific data with you (for example, contact lists) while keeping their usernames, passwords, and other information private.

[Learn more](#)

Create new Client ID

Client ID for web application

CLIENT ID	97657306884-9jf641h5sp4ttbe1nagbif3pcfgua753.apps.googleusercontent.com
EMAIL ADDRESS	97657306884-9jf641h5sp4ttbe1nagbif3pcfgua753@developer.gserviceaccount.com
CLIENT SECRET	
REDIRECT URIS	http://localhost:26634/auth/GoogleOAuth
JAVASCRIPT ORIGINS	http://localhost:26634/

Edit settings

Reset secret

Download JSON

Delete

Consent screen

The consent screen will be shown to users whenever you request acc

Note: This screen will be shown for all of your applications registered

EMAIL ADDRESS

Choose your email

PRODUCT NAME

Product Name



Home



Sign in with Google

Hello World Service

+ Add a New App

Add a New App

Select a platform to get started



iOS



Android



Facebook Canvas



Website

Create a New App

Get started integrating Facebook into your app or website

Display Name

ReidsonIndustries

Namespace

A unique identifier for your app (optional)

NO Is this a test version of another app? [Learn More.](#)

Category

Choose a Category

✓ Choose a Category

Apps for Pages

Books

the Facebook Platform Policies

Cancel

Create App

Dashboard



ReidsonIndustries

This app is in development mode [?]

App ID

347021278807869

App Secret

••••••••

Show

Select Platform



Facebook Canvas



Website



iOS



Android



Windows App



Page Tab



Xbox



PlayStation

Client Token

9070c170382b77953a03c675535707dc

Reset

YES

Client OAuth Login

Enables the OAuth client login flow

NO

Embedded browser OAuth Login

Browser control for OAuth client login

NO

App Secret Proof for Server API calls

App must submit a proof of app secret

NO

Require 2-factor reauthorization

For changing application settings

Valid OAuth redirect URIs

http://localhost:24080/auth/facebook x |

ServiceStack with AngularJS



Home

 Log in with Facebook

Hello World Service

Type your name

ServiceStack with AngularJS



Profile Image Service

Link your Social Media accounts

[Sign in with Twitter](#)

[Sign in with Facebook](#)

[Sign in with Google](#)



Home



Logout

Profile Image Service

Link your Social Media accounts



Make Default Profile Image



Make Default Profile Image



Authentication

Group by: No Grouping

Name	Status	Response Type
Anonymous Authentication	Enabled	
ASP.NET Impersonation	Disabled	
Forms Authentication	Disabled	HTTP 302 Login/Redirect

Before You Begin
 Installation Type
 Server Selection
Server Roles
 Features
 Confirmation
 Results

Select one or more roles to install on the selected server.

Roles

- Web Server (Installed)
 - Common HTTP Features (Installed)
 - Health and Diagnostics (Installed)
 - Performance (Installed)
 - Security (Installed)
 - Request Filtering (Installed)
 - Basic Authentication
 - Centralized SSL Certificate Support
 - Client Certificate Mapping Authentication
 - Digest Authentication
 - IIS Client Certificate Mapping Authentication
 - IP and Domain Restrictions
 - URL Authorization
 - Windows Authentication



Authentication

Group by: No Grouping

Name	Status	Response Type
Anonymous Authentication	Enabled	
ASP.NET Impersonation	Disabled	
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authentication	Enabled	HTTP 401 Challenge

Authentication Required ✕

The server <http://windowsauth.layoric.org:80> requires a username and password.

User Name:

Password:



Hello World Service

Hello, AMAZONA-91DHC9B\TestUser!

Steam Web API Documentation

Valve provides these APIs so website developers can use data from Steam in new and interesting ways. They allow developers to query Steam for information that they can present on their own sites. At the moment the only APIs we offer provide item data for Team Fortress 2, but this list will grow over time.



Home



Hello World Service



Home



Layoric

Logout

Hello World Service

Chapter 8

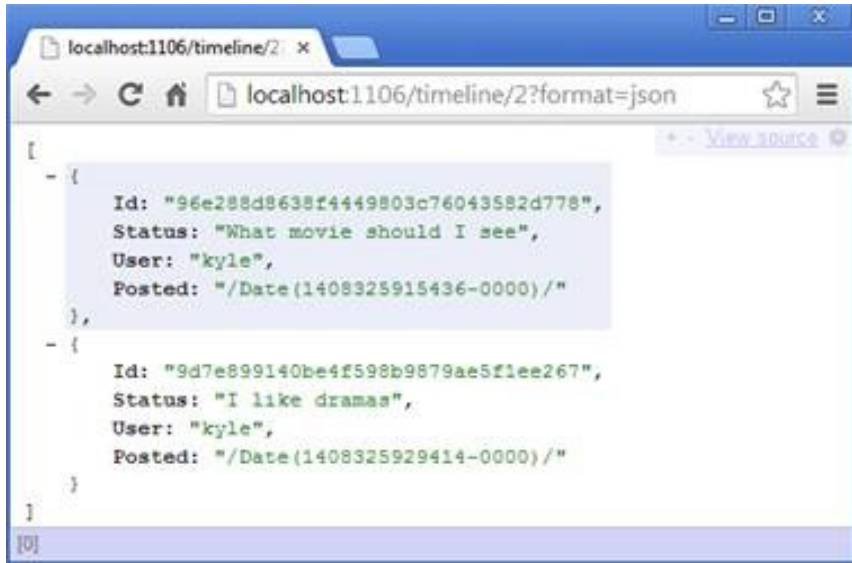
```
khodgson@KHODGSON-VH /c/projects/service-stack-book/src/Chapter 8/Recipe1/tested/redis-2.8.12 (c8r1)
$ ./redis-server.exe
[4508] 14 Aug 19:09:50.294 # Warning: no config file specified, using the default
t config. In order to specify a config file use c:\projects\service-stack-book\s
rc\Chapter 8\Recipe1\tested\redis-2.8.12\redis-server.exe /path/to/redis.conf

Redis 2.8.12 (00000000/0) 64 bit

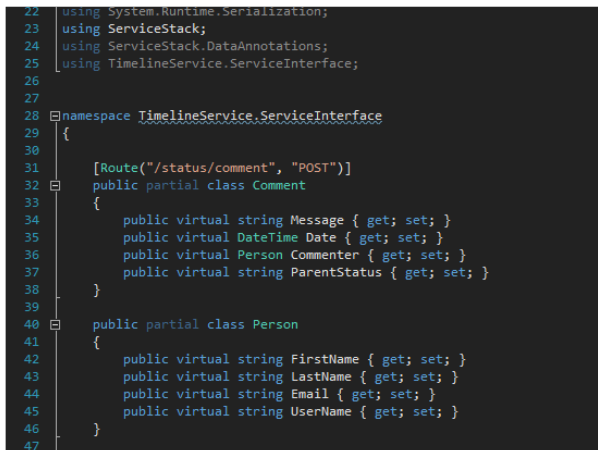
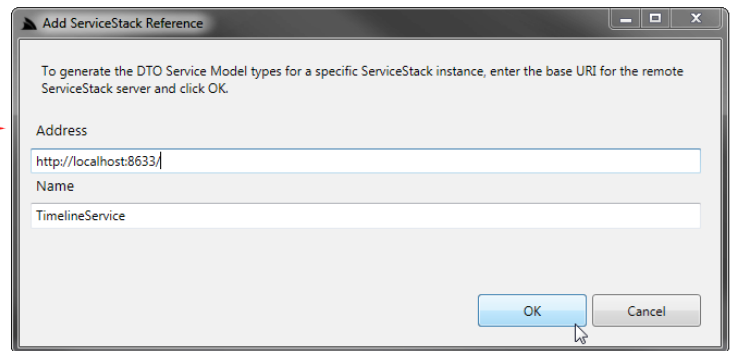
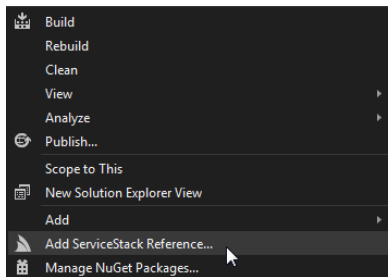
Running in stand alone mode
Port: 6379
PID: 4508

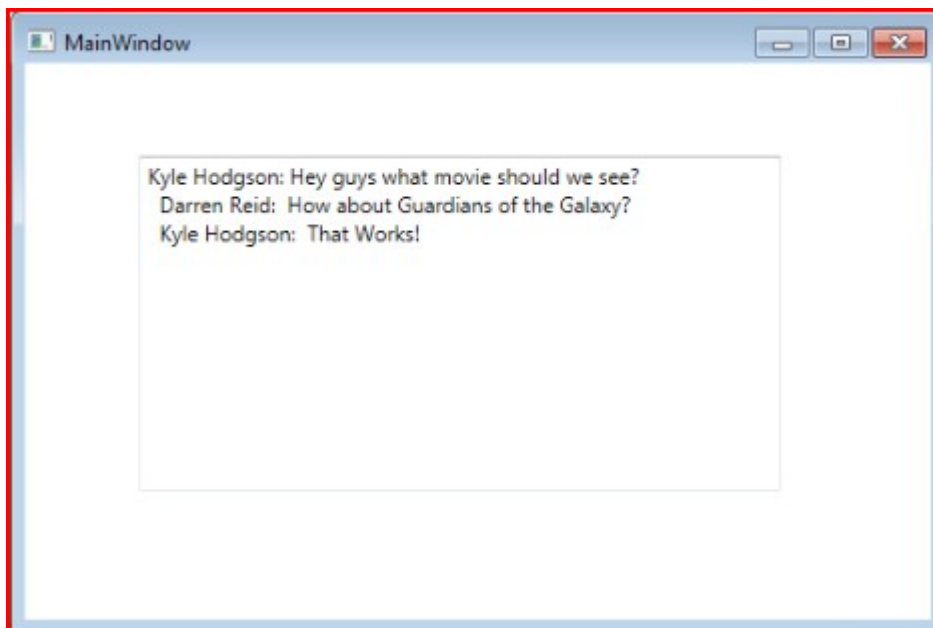
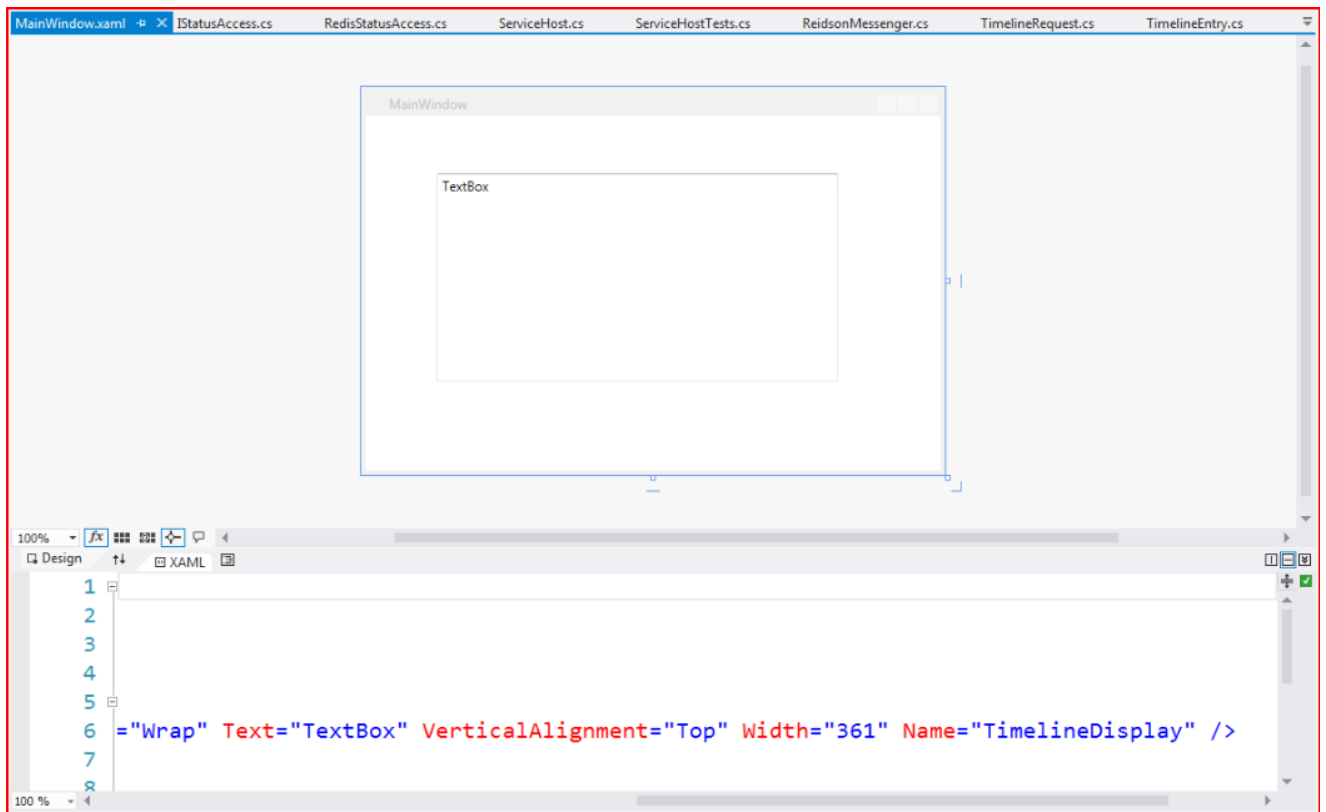
http://redis.io

[4508] 14 Aug 19:09:50.327 # Server started, Redis version 2.8.12
[4508] 14 Aug 19:09:50.337 * DB loaded from disk: 0.010 seconds
[4508] 14 Aug 19:09:50.337 * The server is now ready to accept connections on po
rt 6379
```

Chapter 9





your logo here

[Register](#) [Log in](#)

[Home](#) [About](#) [Contact](#)

Greeting Generator. Greetings and salutations, at your command.

© 2014 - My ASP.NET Application



localhost:13680/Home/Hello

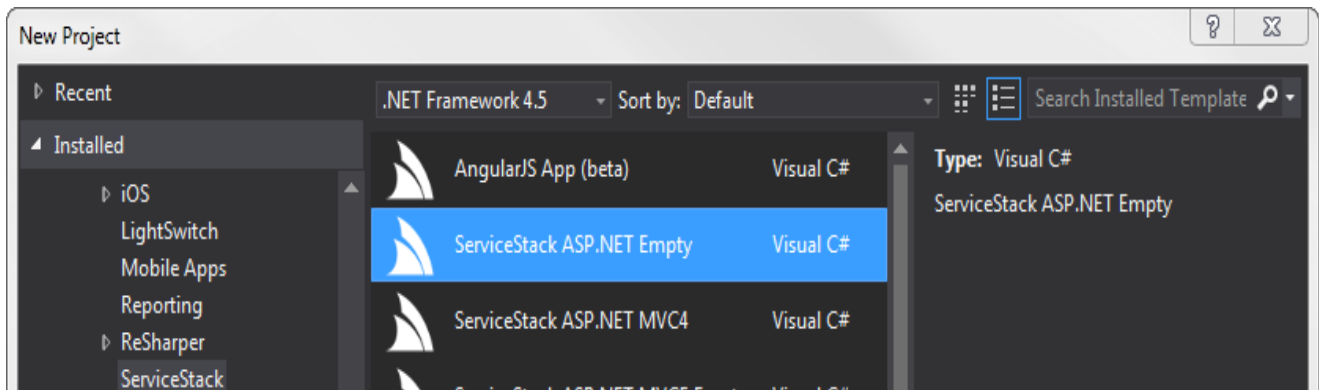


your logo here

[Register](#) [Log in](#)

[Home](#) [About](#) [Contact](#)

Hello, World!

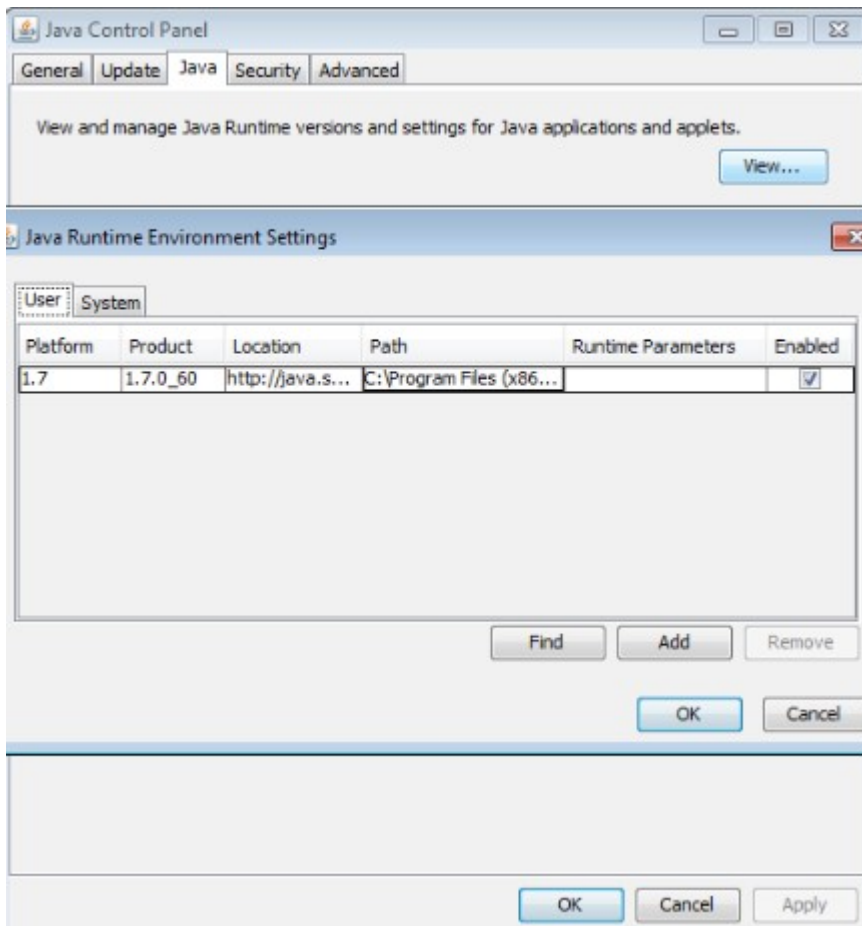


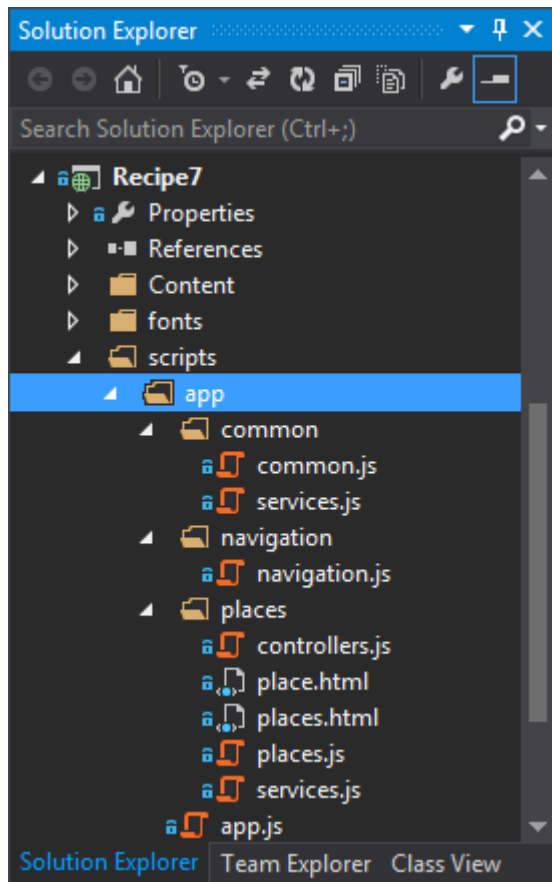
World1

Hello, World1! via SignalR
 Hello, World1! via ServiceStack response
 Hello, World2! via SignalR

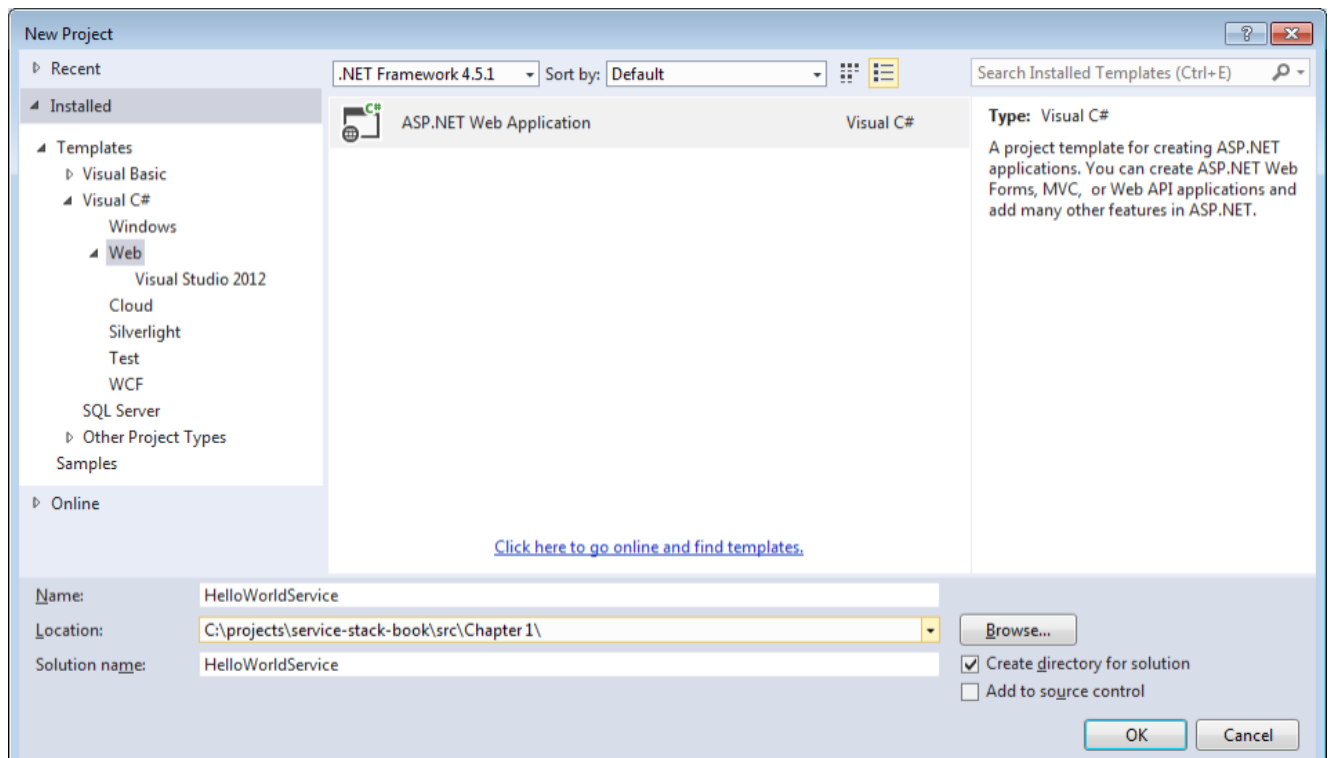
World2

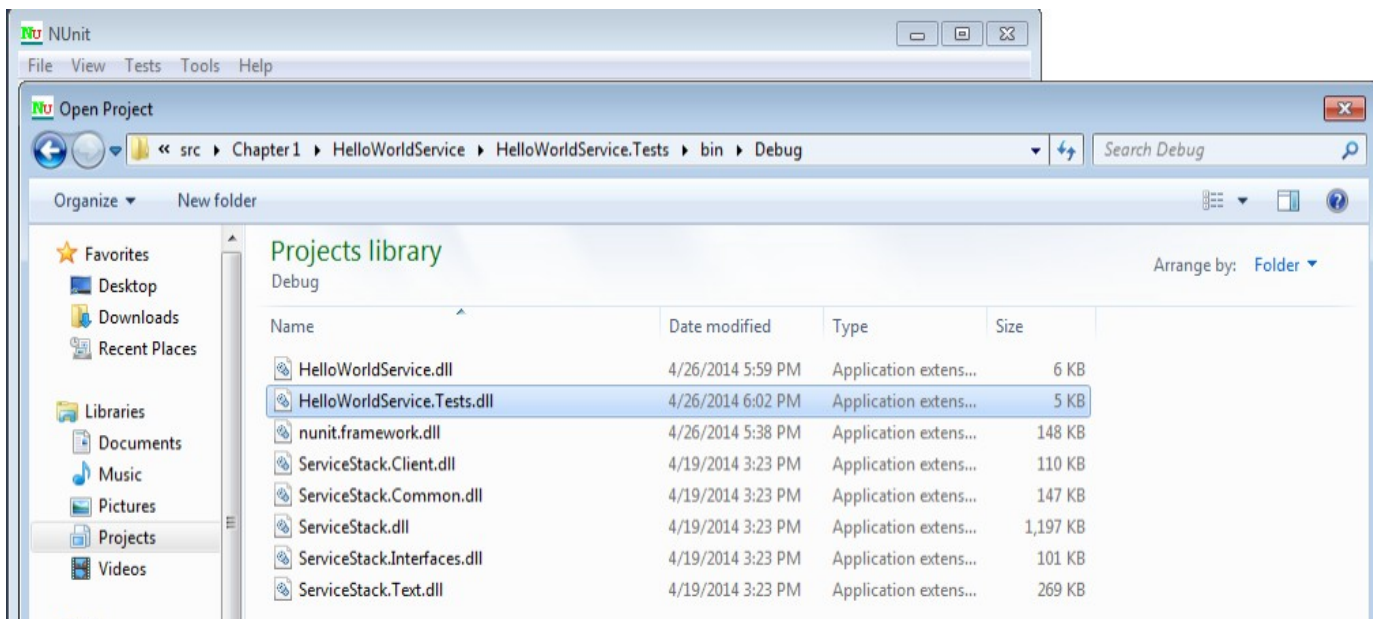
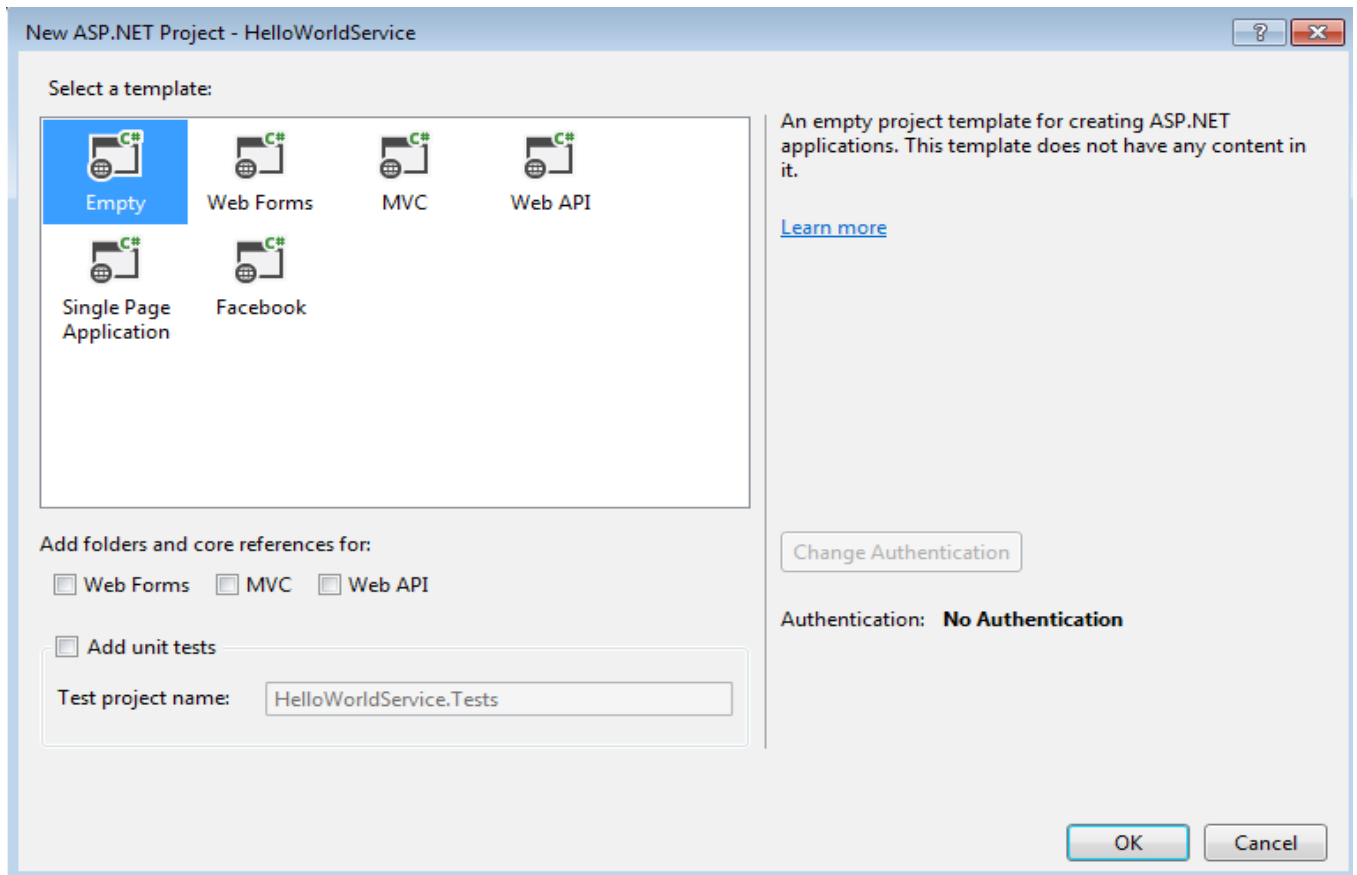
Hello, World1! via SignalR
 Hello, World2! via SignalR
 Hello, World2! via ServiceStack response





Appendix A





Appendix B

