

A Simple Web Service

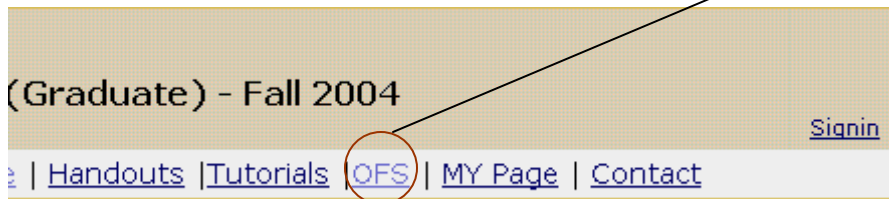
The following topics are covered in this tutorial

- Your Account on www.zolic.com
- Using OFS (Online File System)
- Creating SimpleWebService.asmx file
- Consuming Web Services

Your Account on www.zolic.com

Click on the OFS Link on your class website
(<http://myweb.brooklyn.liu.edu/gnarra/dotnet>)

Online File System Link



It opens up a window where you could access your file system

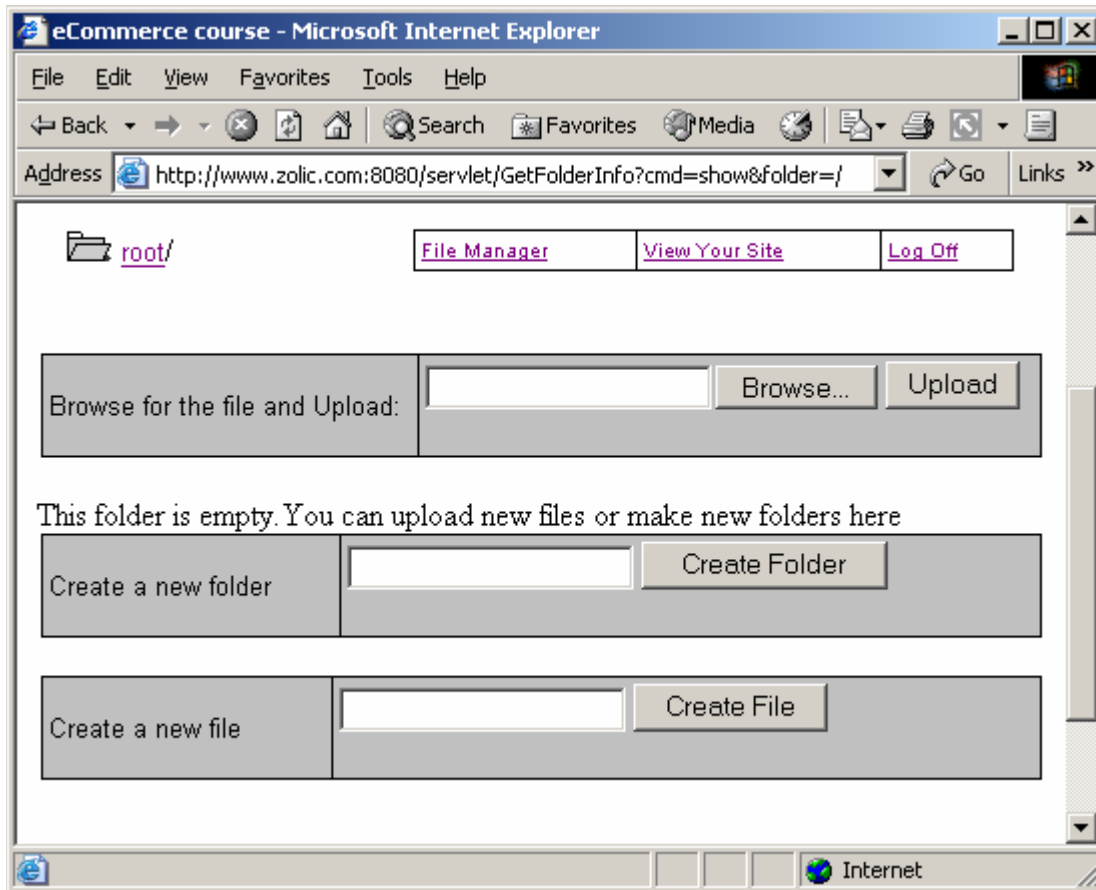
Online File System
File Manager

User name is same as
SIS username
(Example: John.Smith)

Please Login	
User Name	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Login"/>	

Initial password is
webservice

Once you logon, you will be able to create new files and folders. Also you will be able to upload and download files from the OFS.

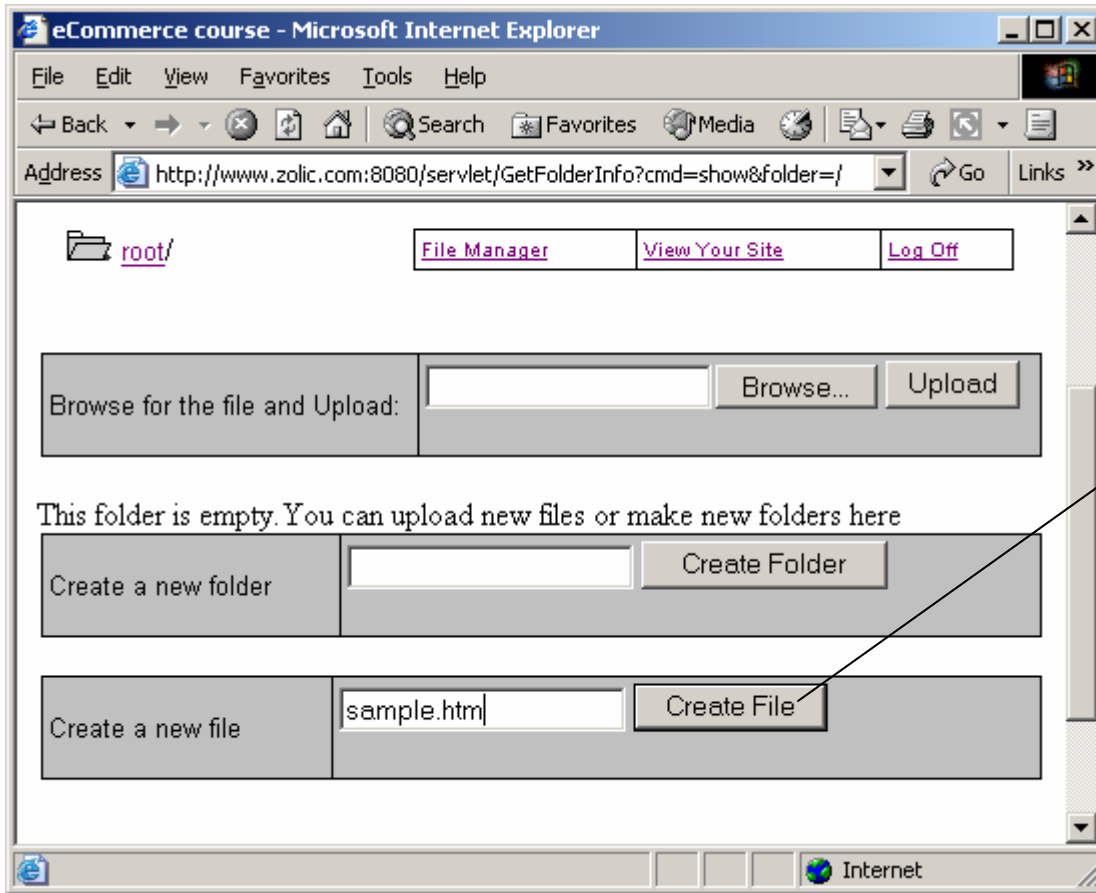


Using the OFS(Online File System)

You could create and edit files of type .txt, .asp, .aspx, .asmx, .jsp, .htm right in OFS. Other files like for example images (jpg, gif, png) could be uploaded using the upload feature.


Lets say I wan to create a html file on OFS, These are the steps.

Type in the name of the file to be created(including extension) as shown below



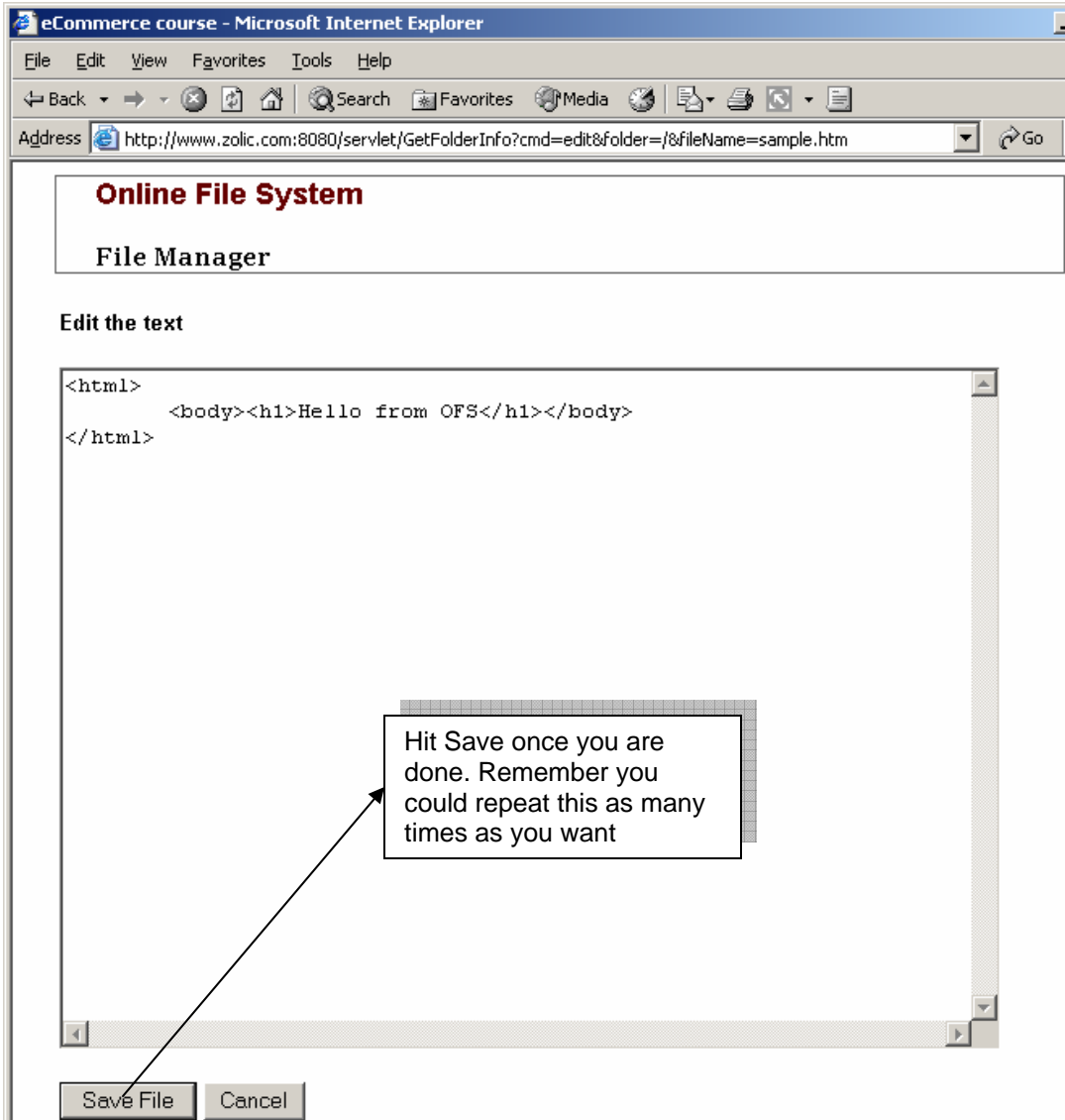
Click on Create file

Once the file is created , you can click on Edit next to it

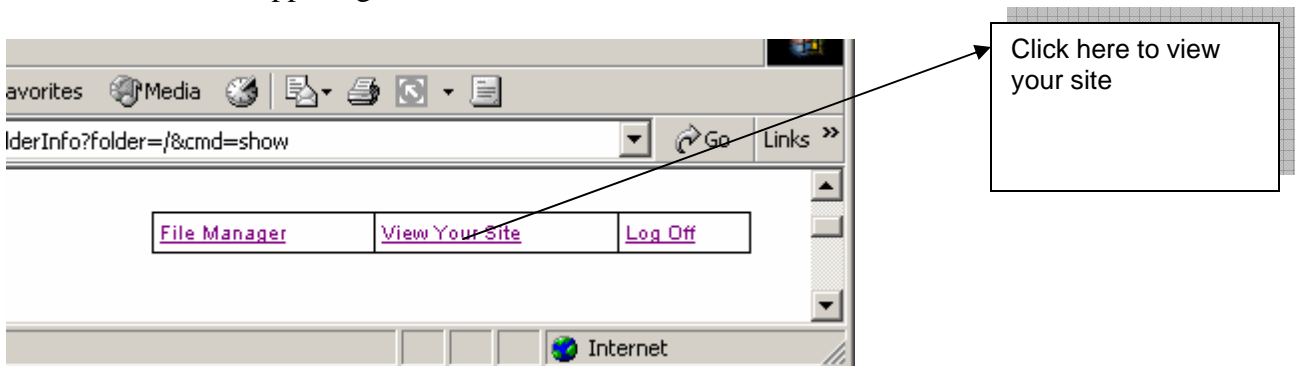
Select	Name	Last Modified	Size	Edit
<input type="checkbox"/>	 sample.htm	Oct 30, 2004	1 K	Edit

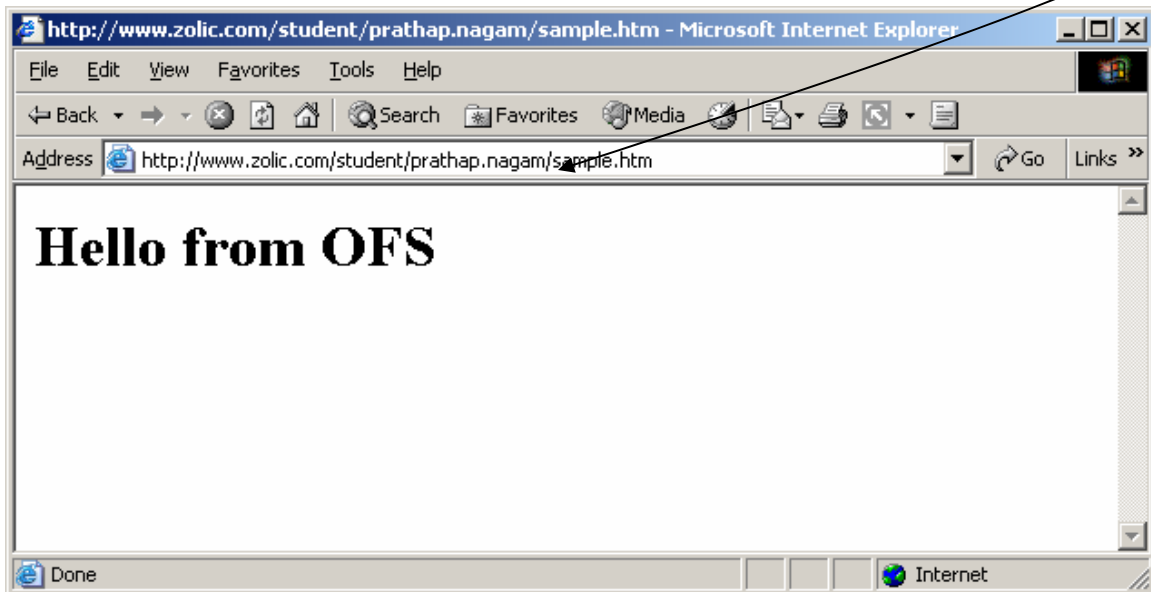
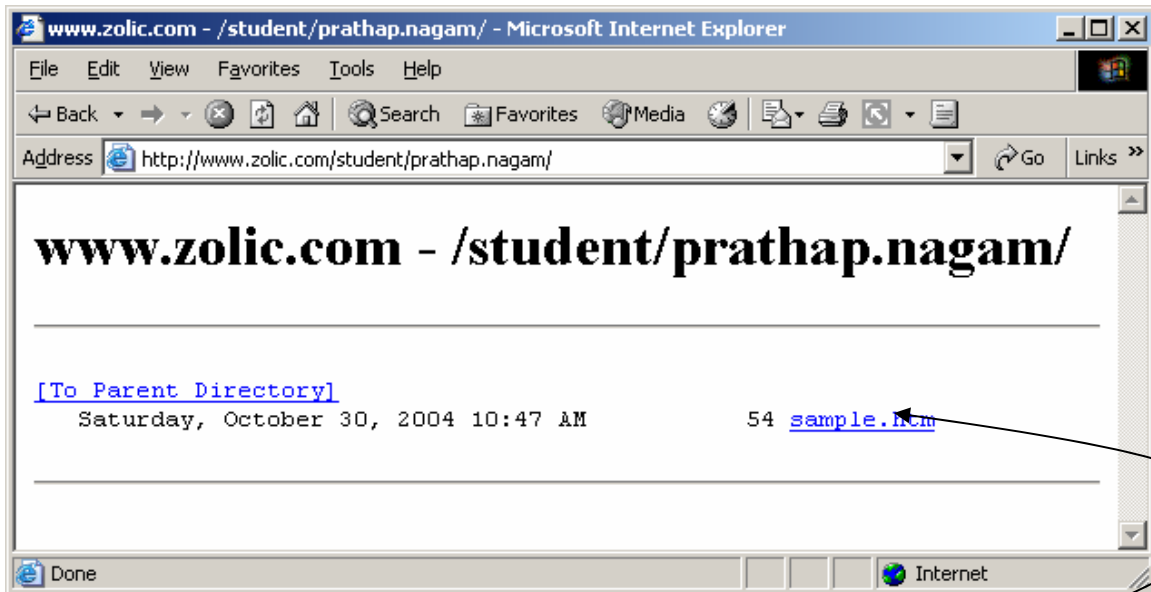
Click on Edit to edit the file

This opens an Edit window where you could type your code and click on “Save” once it is done. The “Tab” key actually enters a tab in your program and does not focus on the “Save File” button. Remember, your session would be lost in 30 mins, So save your work as you are typing the code. A better way of doing this is to type the code in Notepad and copy and paste in the Edit Window.



Once you are done with editing, you could view the site by clicking on the “View Your Site” button on the upper right hand corner.





Creating SimpleWebService.asmx file

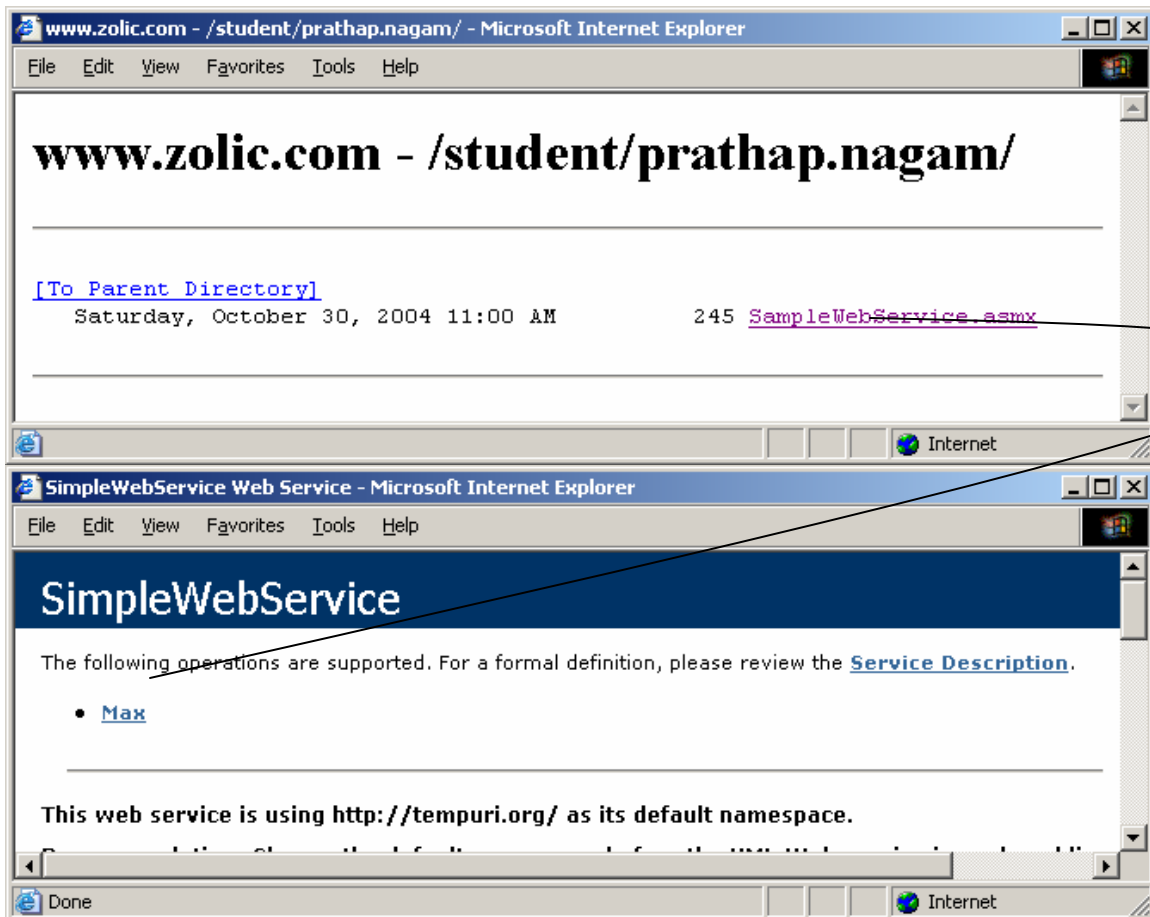
In OFS, create a file called, SimpleWebService.asmx. Edit the file and put the following code in it and save the file.

```
<%@WebService Language="C#" class="SimpleWebService"%>

using System;
using System.Web.Services;

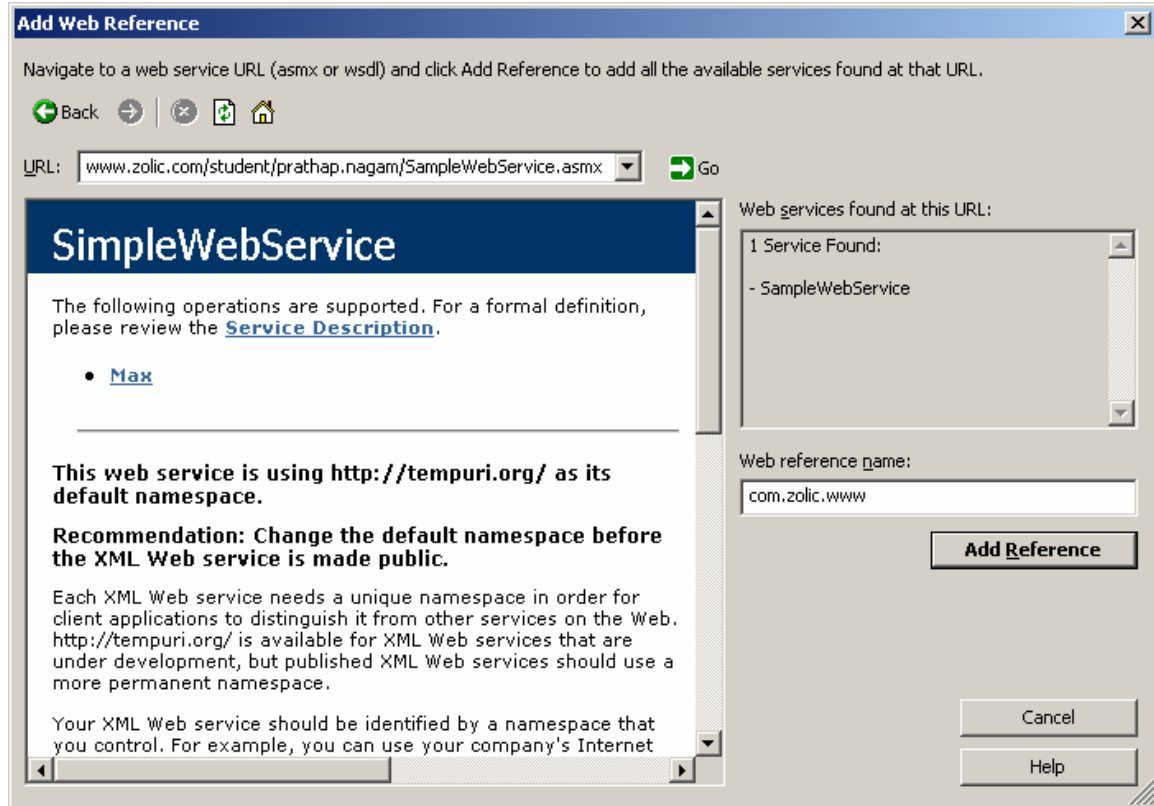
public class SimpleWebService: WebService
{
    [WebMethod]
    public int Max(int a,int b)
    {
        if(a>b)
            return a;
        else
            return b;
    }
}
```

Now click on “View your site” to see the webservice. You could test it here



Consuming Web Services

Create a console application “WebServiceConsumer1” in Visual Studio. Right click on Add References and click on Add Web Reference. Enter your URL for the web service on www.zolic.com and click on Go



Now click on AddReference.

Now you could reference the SimpleWebService class as usual.

Type the following code for Class1.cs

```
using System;

namespace WebServiceConsumer1
{
    using com.zolic.www;
    class Class1
    {
        [STAThread]
        static void Main(string[] args)
        {
            SimpleWebService sws=new SimpleWebService();
            Console.WriteLine(sws.Max(20,30));

            Console.Read();
        }
    }
}
```

Now you could compile and run your project. Visual Studio hides all the XML conversion that takes place between the server and the client.