

A decorative graphic on the right side of the page consists of three overlapping circles of varying sizes, each with a dark blue center and a lighter blue outer ring. Two thin blue lines intersect at the top left, forming a large 'V' shape that frames the circles.

# Creating Web Services in Java using Eclipse IDE with Axis2 Runtime and GlassFish Server

A cheat sheet for creating Web Services

This document will provide a user the capability to create a sample web service in Java using the following technologies

- 1> Eclipse IDE with Axis2 Runtime
- 2> Oracle GlassFish Server

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**7/25/2013**

# Creating a Web Service in Java

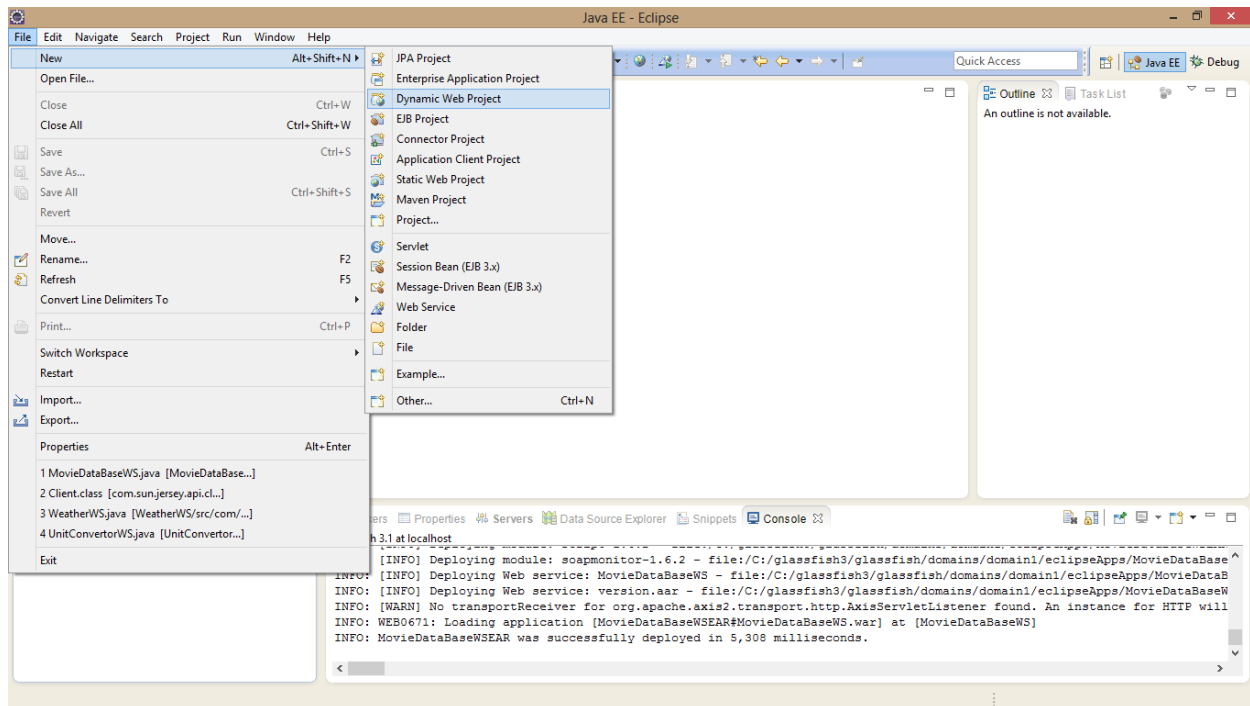
## Prerequisites:

Before starting with the tutorial, we should make sure we have the following components already installed and their runtimes configured:

- ✚ Oracle Glass Fish Server 3.1 (Can be downloaded from here - [Link](#) )
- ✚ Axis2 Runtime (Can be downloaded from here - [Link](#) )
- ✚ Eclipse IDE (Java EE - Kepler preferred. Can be downloaded from here - [Link](#) )

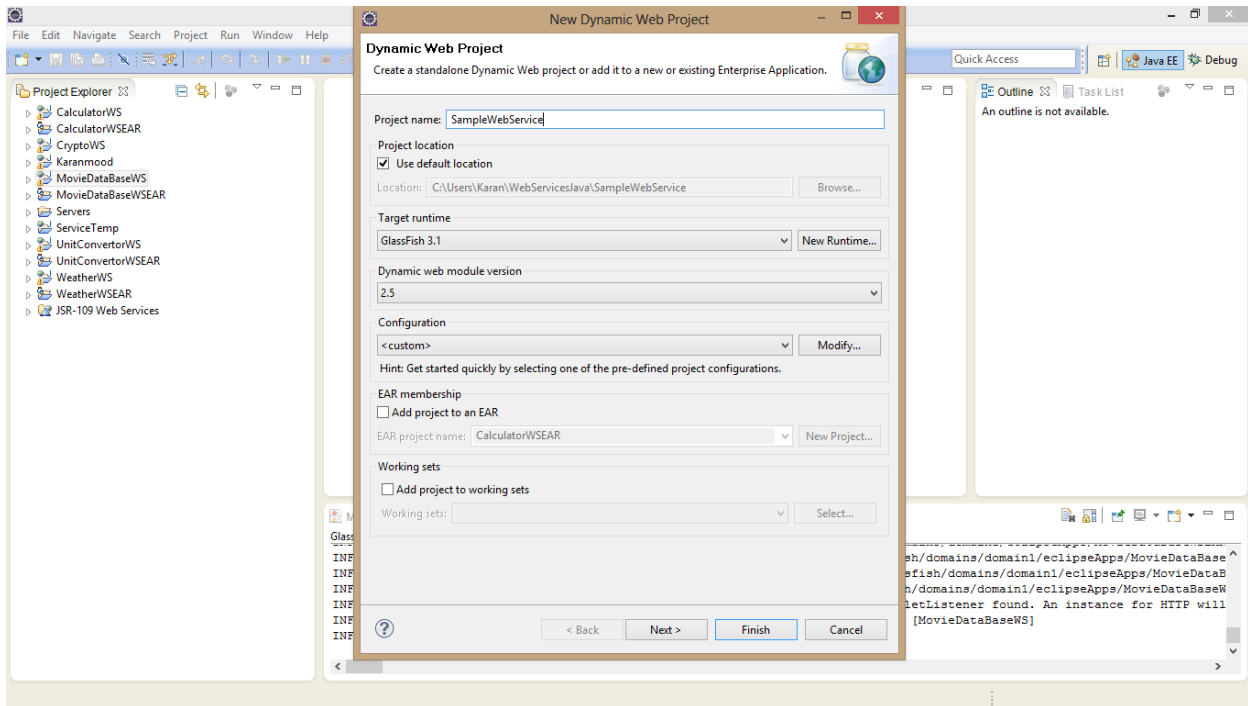
## Creating a Web Service Project

- Open Eclipse
- Click on New
- Select Dynamic Web Project

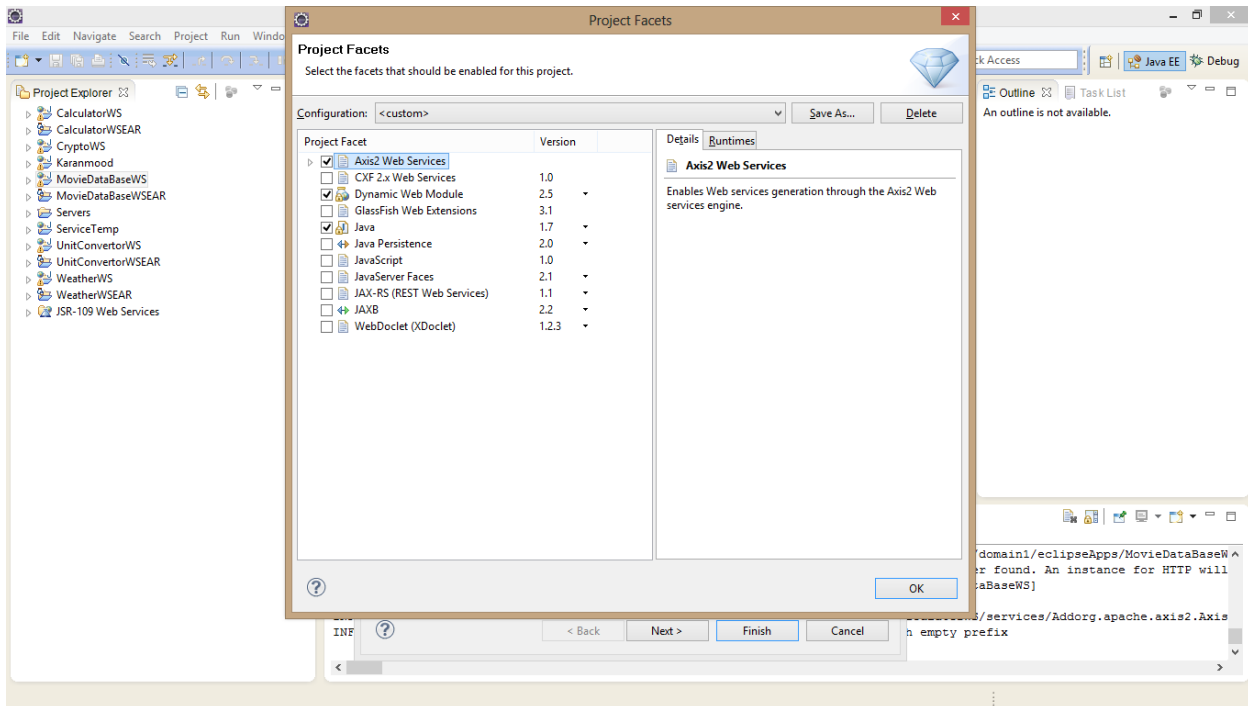


- Enter Sample Project name

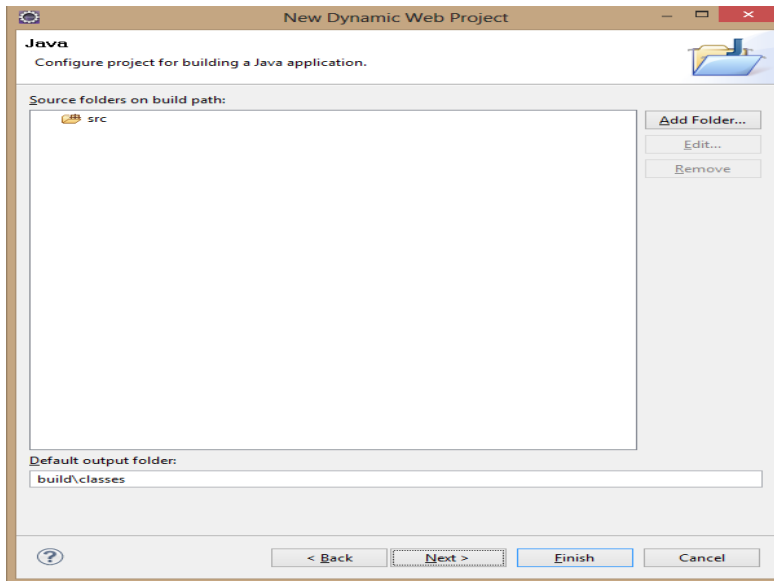
- Fill the rest of the field according to the images below



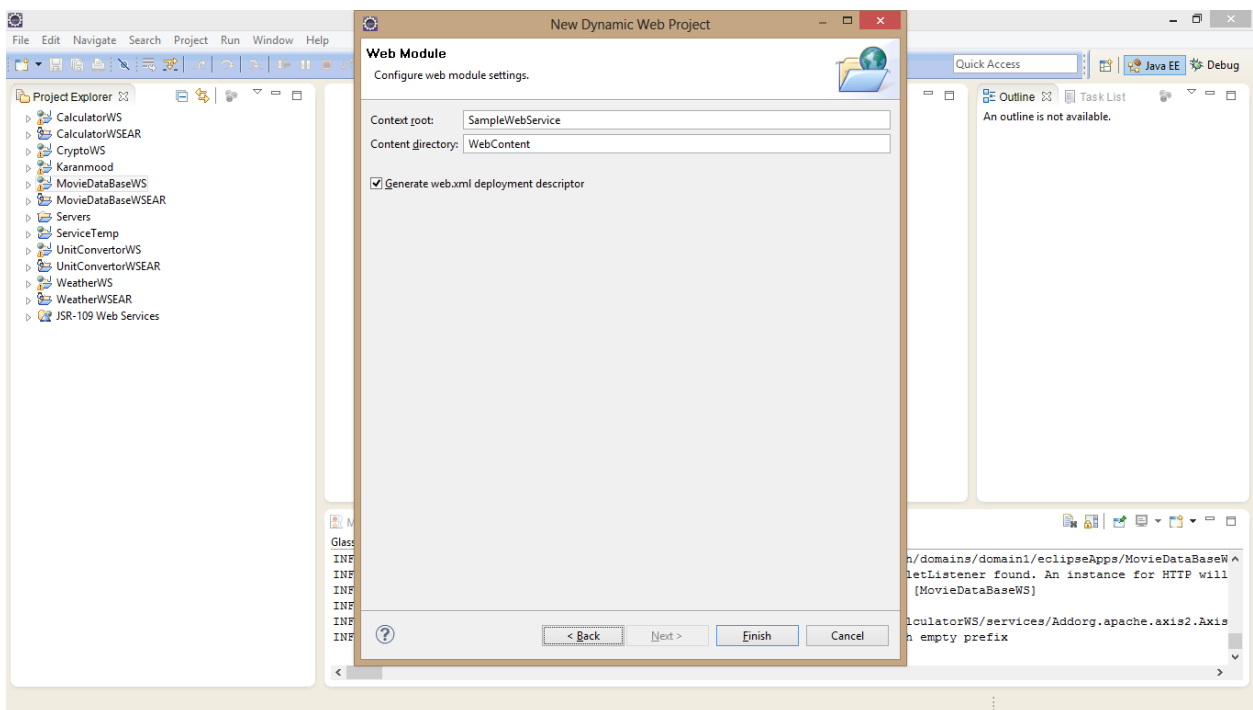
- Click on Modify...
- Then check the checkbox for Axis2 Web Services



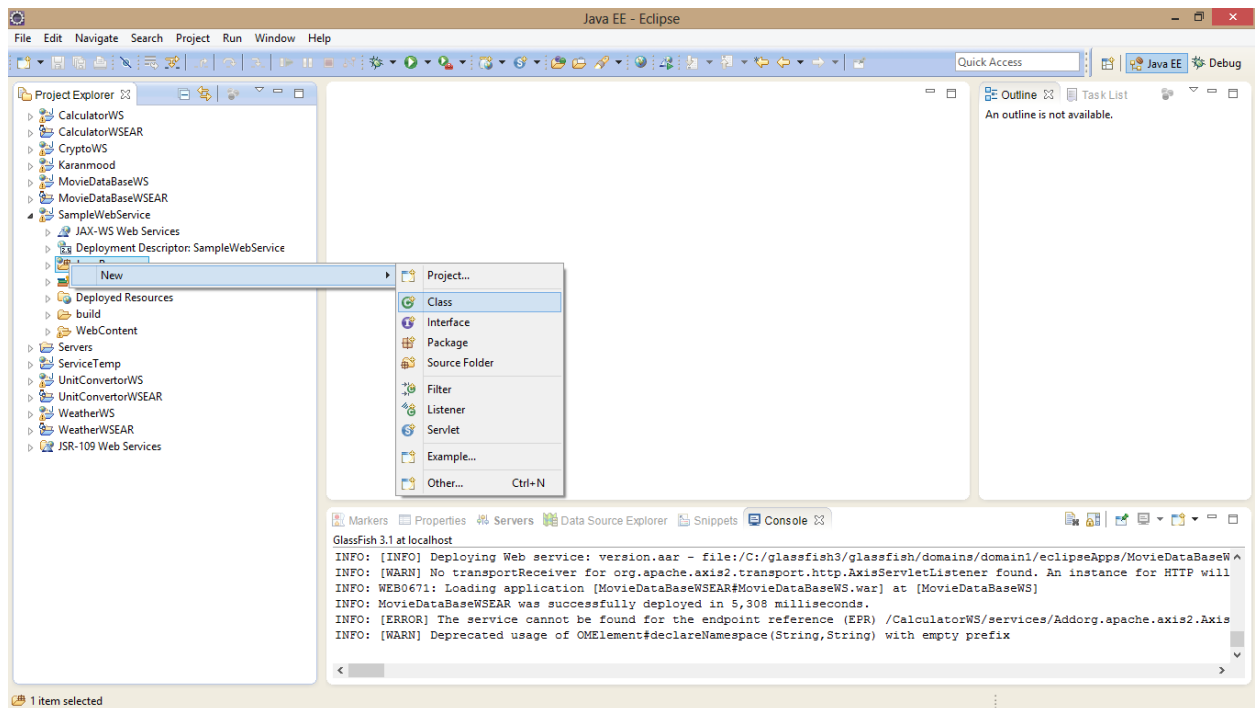
➤ Click on next



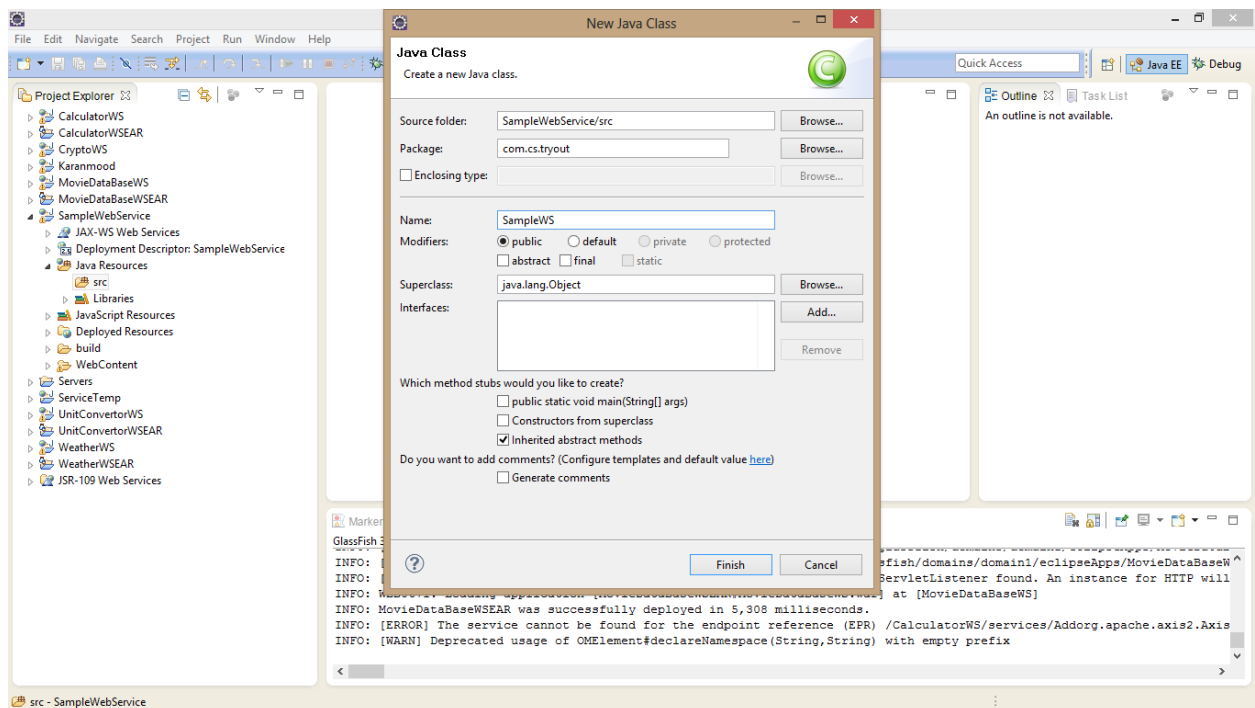
➤ Click on Finish



- So the Project is created
- Now go to the Project Tree Structure on the side
- Right click on Java Resources and Add a Class



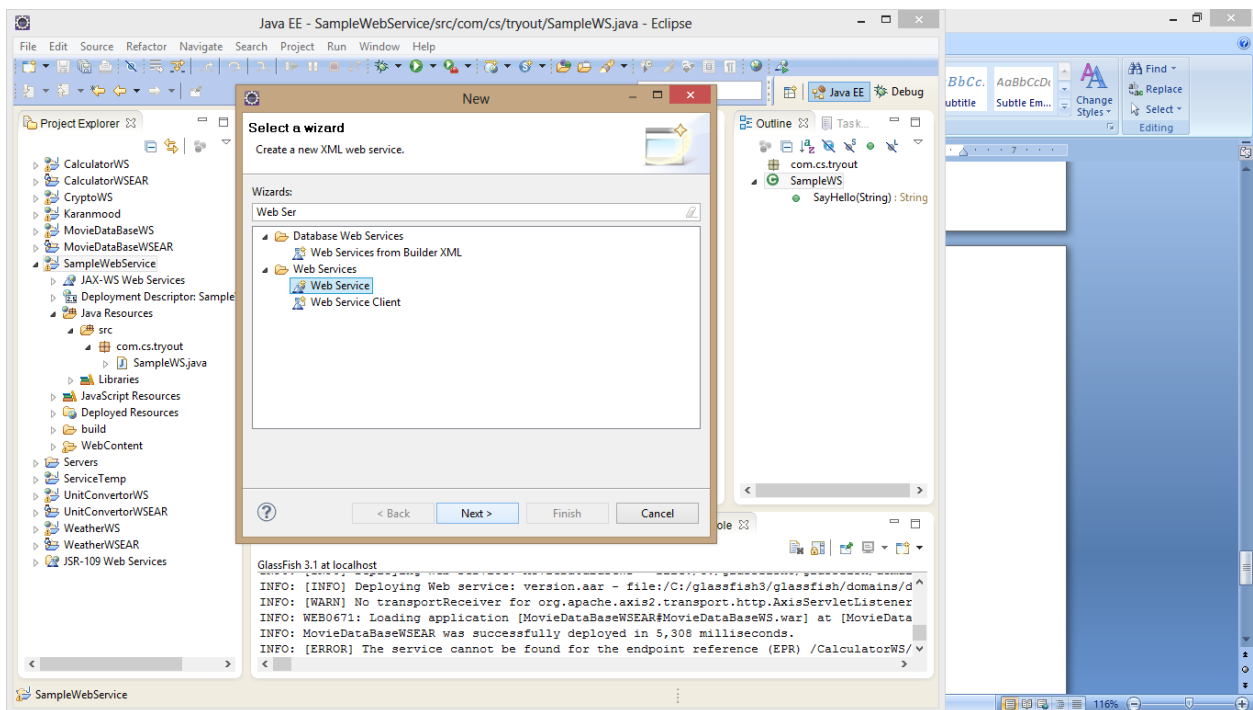
- Give the Class any package name (Ex: Com.cs.tryout)
- Give the Class anyName (Ex: SampleWS)



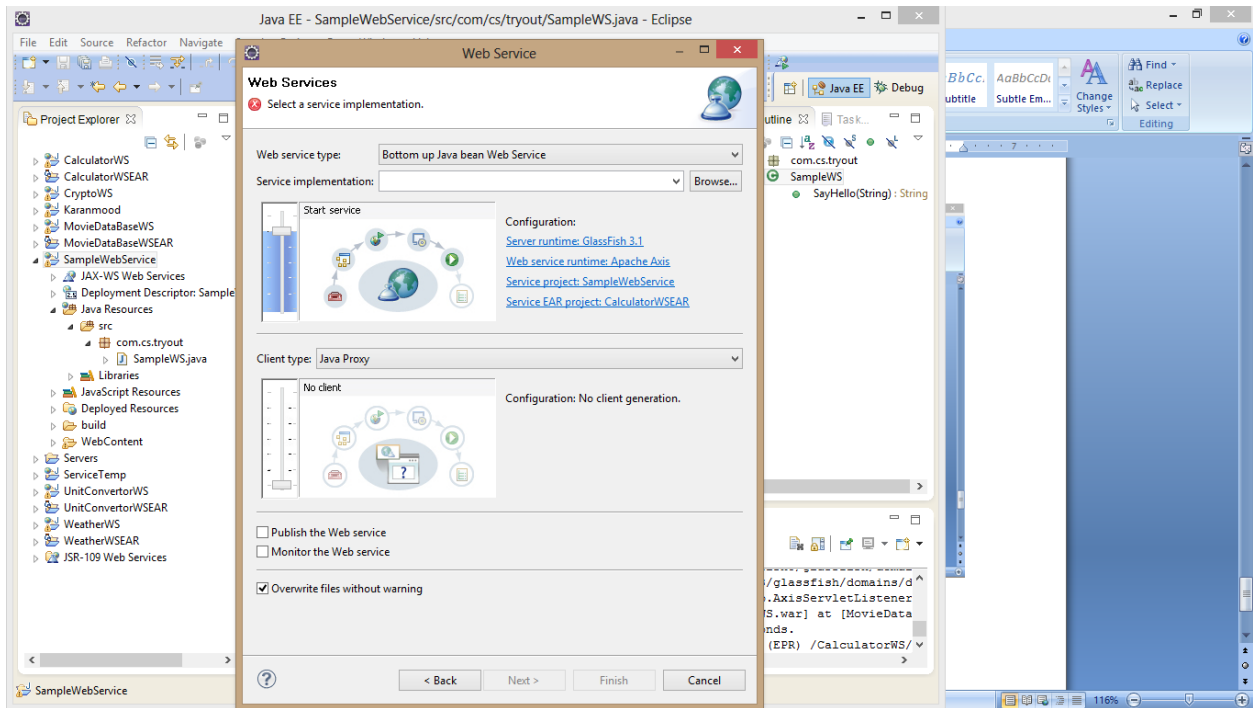
- Click Finish
- Add this code to the class created :

```
public String SayHello(String name )  
{  
    return "Hello "+name;  
}
```

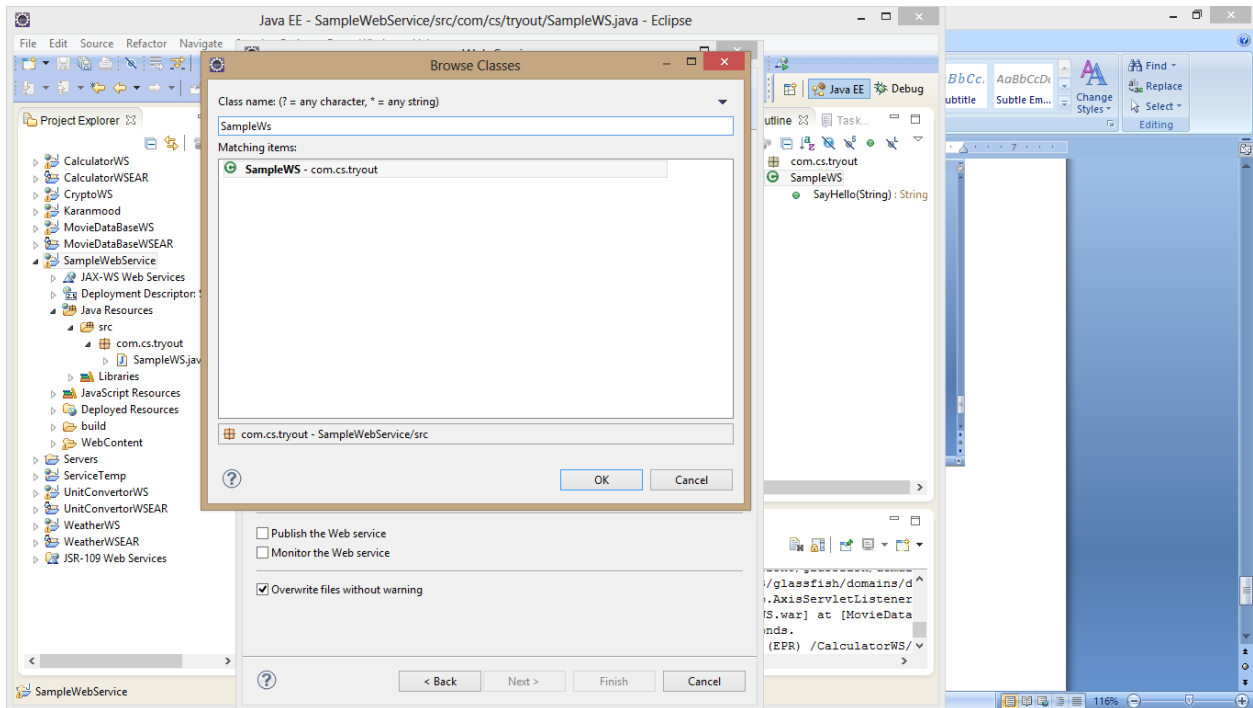
- Save the class.
- Right click on project
- Click on New.
- Click on Other
- Search for Web Service
- Click next



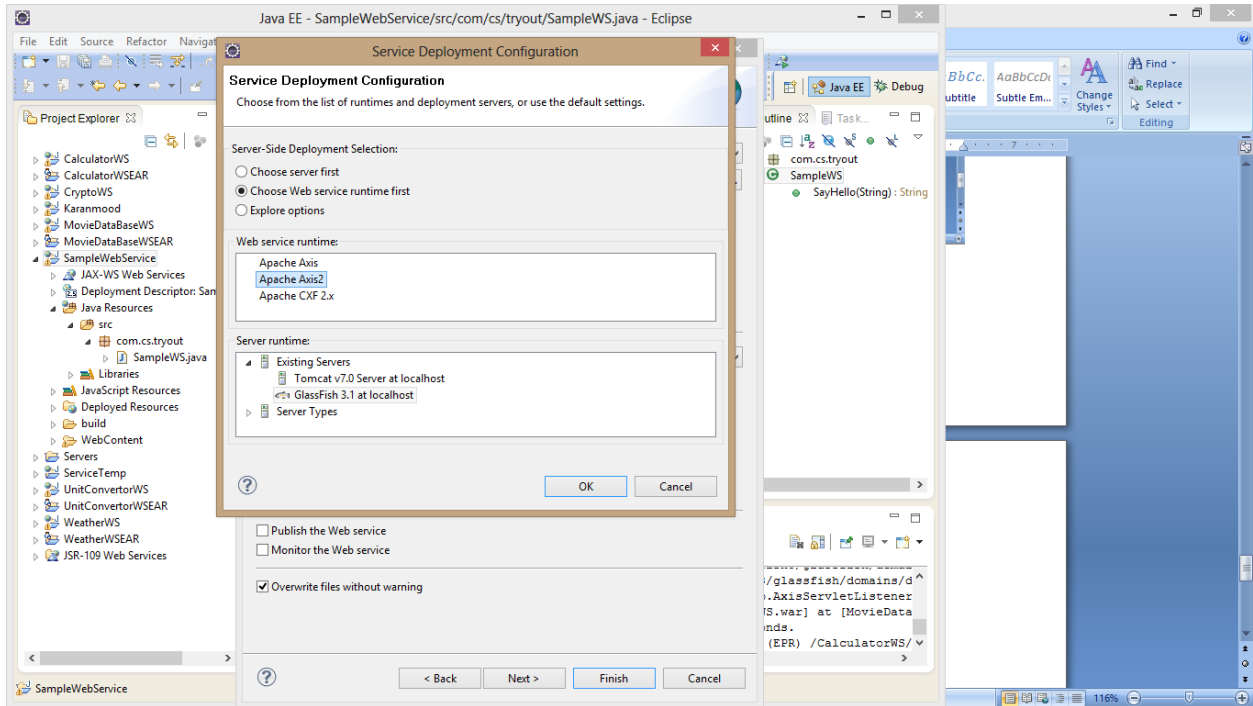
➤ Click on Browse



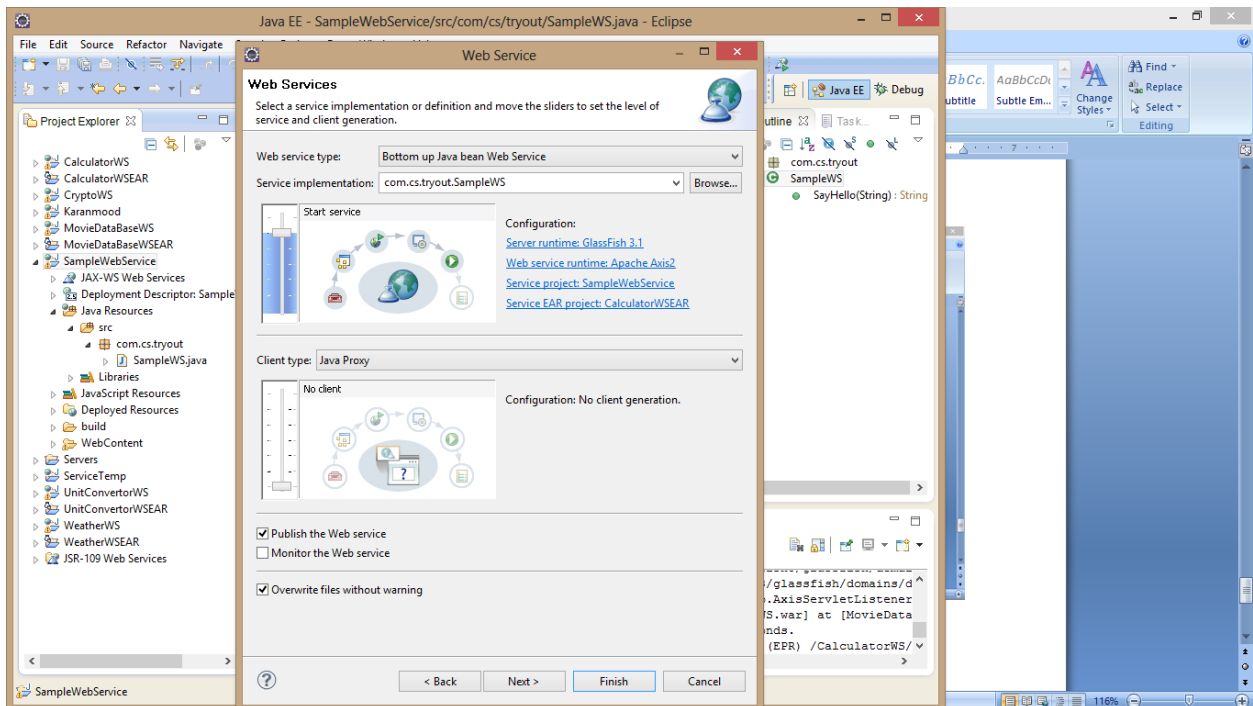
➤ Search for you Classname



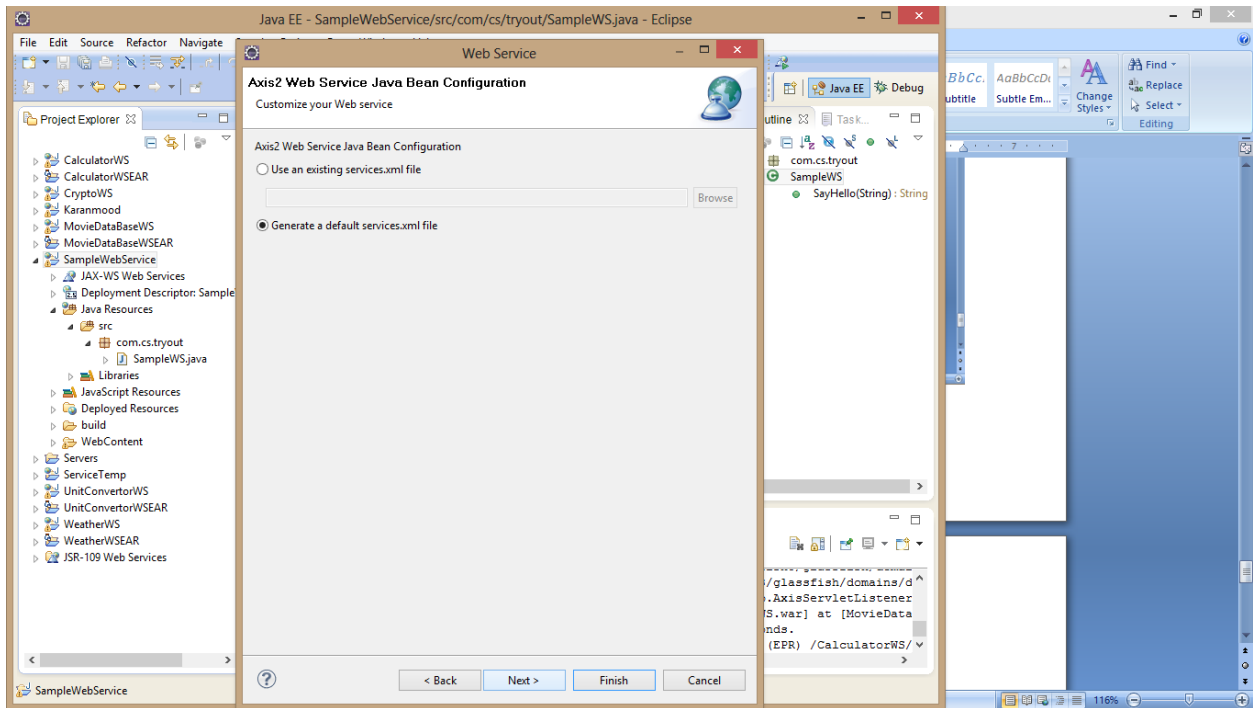
- Click on Ok
- Change the Webservice Runtime to Axis2 as supposed to the default Axis



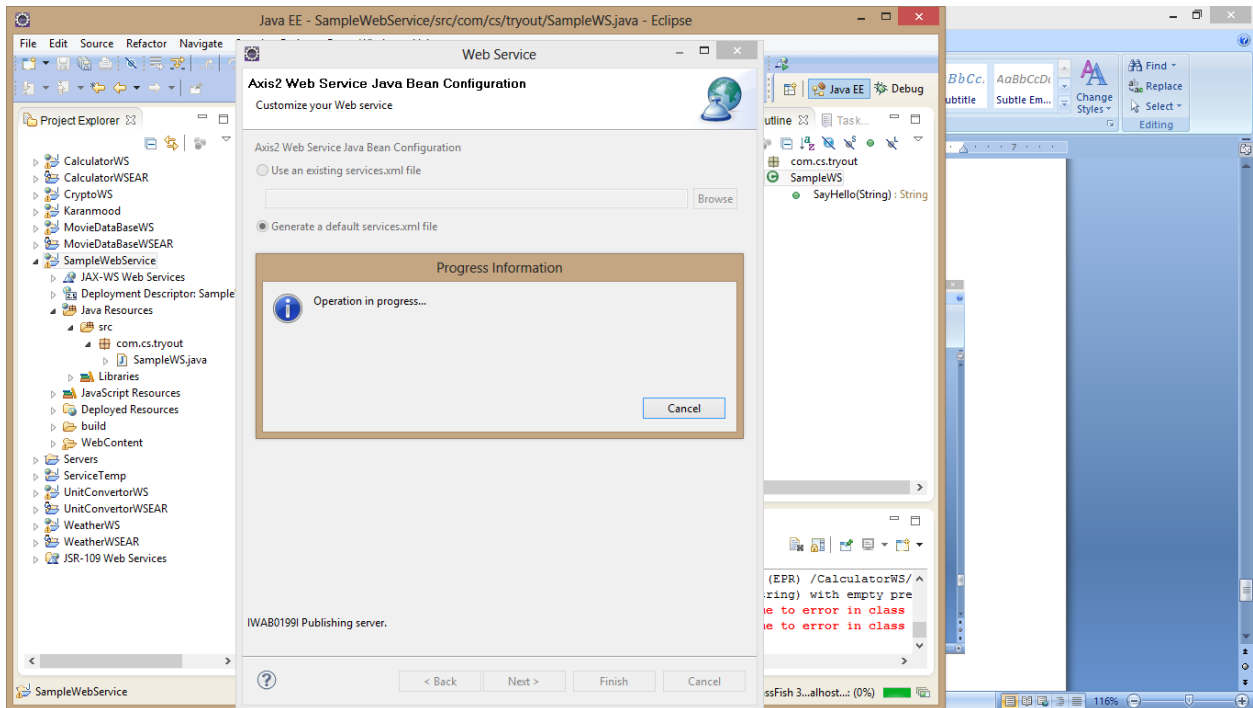
- Click Ok
- Click on the check box Publish



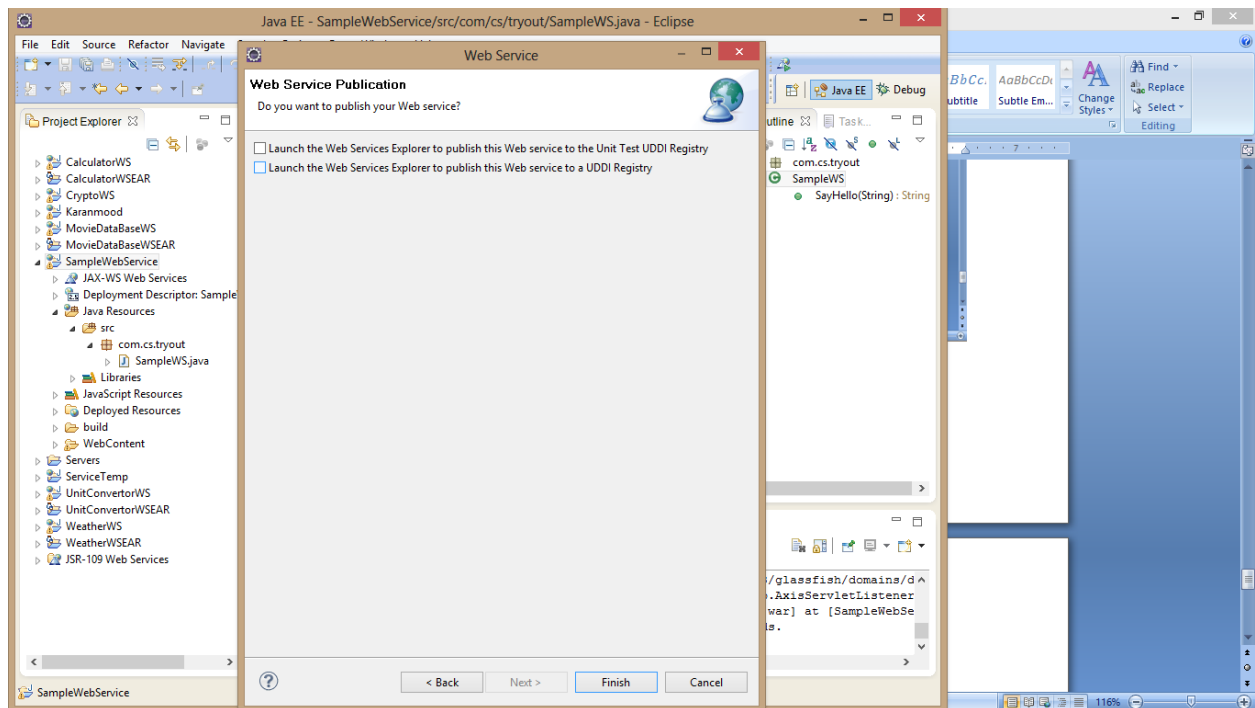
➤ Click on Next



➤ You will get this Screen



- Uncheck the Launch the web service and publish in UDDI

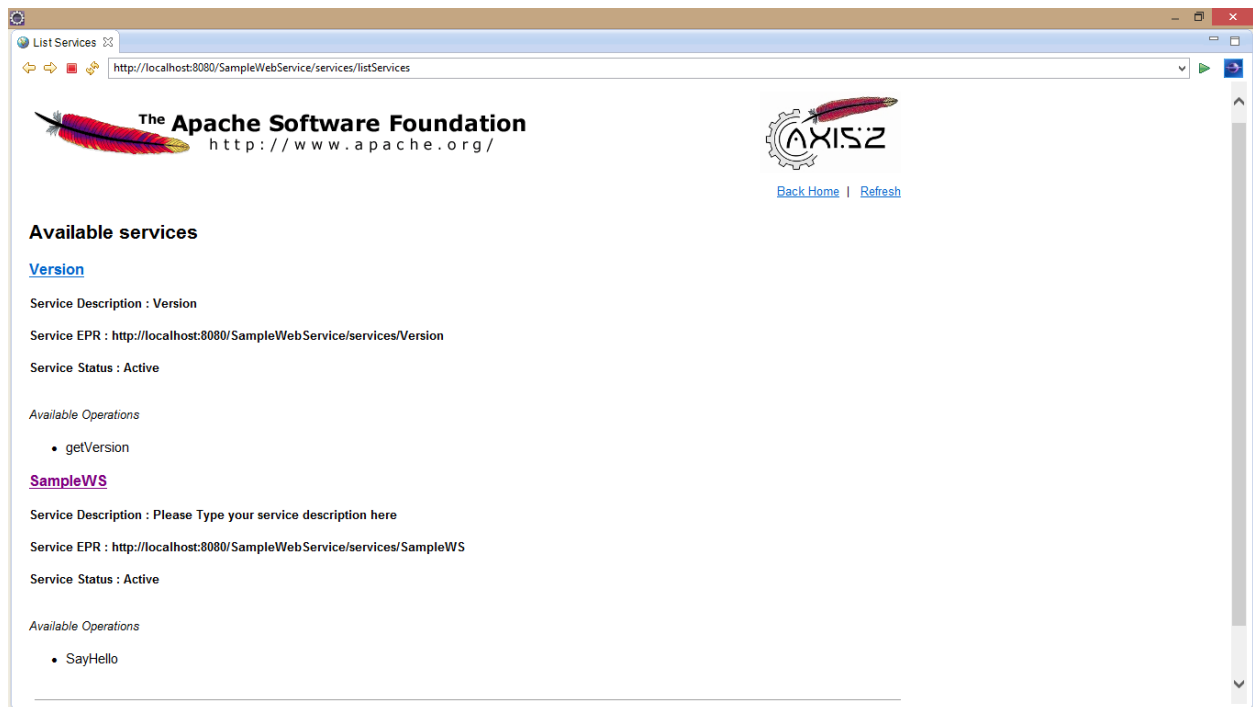


- Click Finish
- You have Created your first Web Service !!!!!

## To check Whether it worked

- Right click on Project
- Click on Run As
- Select Run on Server

If everything went fine, you should get the following page



It shows that you have successfully deployed your service onto the server . It also specifies the web service name and the listed operations under it.

Thank You ! and Have a nice day :-) !!!