COMP3402 T6 submission

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1. Step 1: Server side implementation
    1. Generate all portable artifacts needed for web service deployment and invocation
        1. wsgen -classpath . -keep helloservice.Hello
            1. Results:

```
wei:helloservice chengwei$ ls
Hello$DivideNumbersException.class
Hello.class
Hello.java
HelloClient.class
HelloService$DivideNumbersException.class
HelloService.class
HelloService.java
jaxws
```
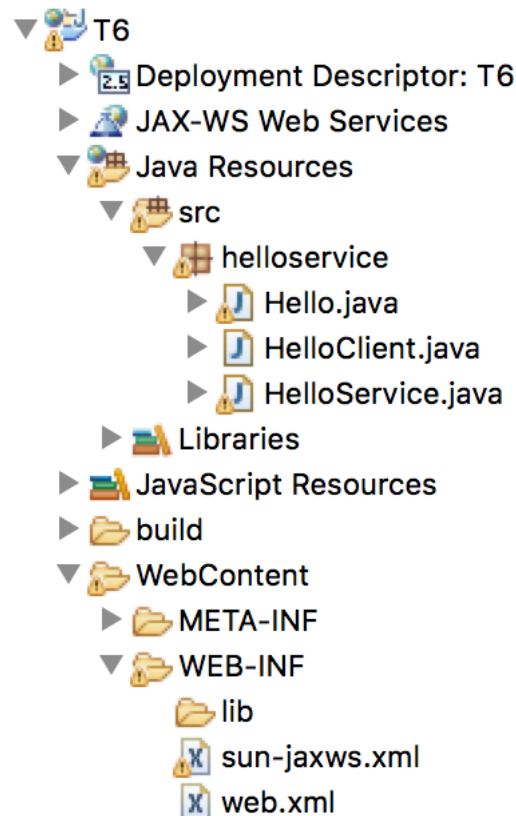
        2. A new file called jaxws is created
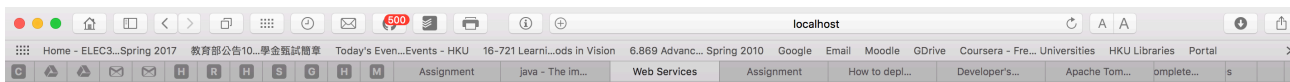2. Step 2: Download and install JAX-WS runtime for Tomcat
3. Step 3: Deploy the web service inTomcat
    1. **** Notice that I choose the second method as suggested in tutorial slides (Deploy as a single WAR file)**
    2. The project structure on Java EE Eclipse IDE

4. Step 4: Run the Tomcat application & access the web service:

Web Services

Endpoint	Information
Service Name: {http://helloservice/}HelloService Port Name: {http://helloservice/}HelloPort	Address: http://localhost:8080/hellows/hello WSDL: http://localhost:8080/hellows/hello?wsdl Implementation class: helloservice.Hello

5. Step 5: (Client side) Run wsimport tool to generate the client side artifacts
    1. Command: wsimport -keep http://localhost:8080/hellows/hello?wsdl
    2. Client side artifacts generated

6. Step 6: Running the client side application
    1. Access the web service successfully

** The following files are attached for your reference
1. Hello.java
2. HelloService.java
3. Client.java
4. helloservice.war (The Web Archive File)