CS5551-ADVANCED SOFTWARE ENGINEERING

Dr. YUGYUNG LEE

ASSIGNMENT #6

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TASK: Create a proxy to consume atleast two REST Services.

STEPS INVOLVED:

- 1. Create a Dynamic Web Application in Eclipse.
- 2. Convert the project into Maven project and Using Java EE Tools option and generate Deployment Descriptor.
- 3. Add Jersey dependencies to the Maven project in pom.xml file.
- 4. Create Java Class files for Two services: Pounds to Kilogram conversion and another for Calculating Area of Square or Rectangle depending on parameters supplied by the user in the URL.
- 5. Create JUnit test cases for the two services and run them.
- 6. Run the project by right clicking on the Project name -> Run as -> Run on Server.

SCREENSHOTS:

Conversion of Pounds to Kilograms:



TEST CASE:

```
Markers □ Properties # Servers □ Data Source Explorer □ Snippets □ Console □ □ Unit

<terminated> PoundsTest [JUnit] C:\Program Files\Java\jre1.8.0_65\bin\javaw.exe (Mar 2, 2016, 9:58:40 PM)

@Test calculateKilograms(): <Kilograms>82.0</Kilograms> = <Kilograms>82.0</Kilograms>
```



Calculating Area of Rectangle:



This XML file does not appear to have any style information associated with it. The document tree is shown below.

<Rectangle>18</Rectangle>

Calculating Area of Square:



This XML file does not appear to have any style information associated with it. The document tree is shown below.

<Square>36</Square>

TEST CASE:

