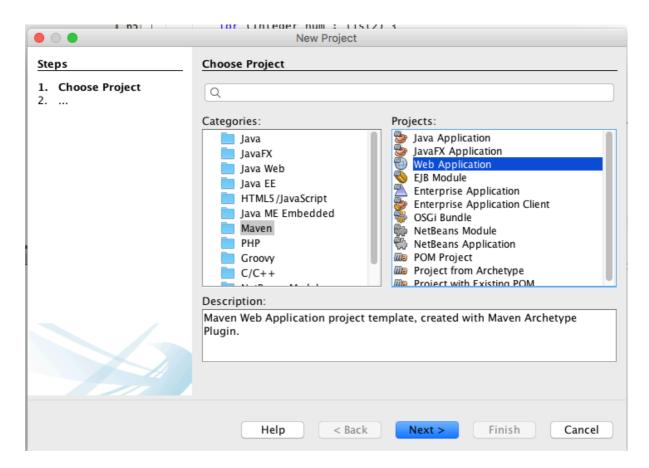
## Jersey Web API Development (REST)

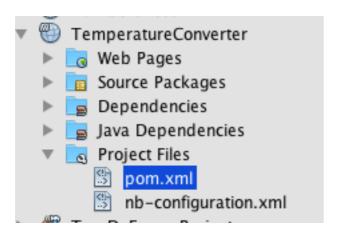
#### **Table of Contents**

1	Create New Project	1
2	Add Jersey Dependency	2
3	Add a new Java Class in Source Package	2
4	Create WEB-INF Folder and edit auto generated web.xml file	2
5	Servlet Specification (web.xml) file	5
6	Adding Plugin Servlet Specification pom.xml	6
7	Run Project	7
8	Add http method (GET.POST, DELETE OR MORE) to your Java file created in step 3.	9

### 1 Create New Project



### 2 Add Jersey Dependency



#### Code:

### 3 Add a new Java Class in Source Package

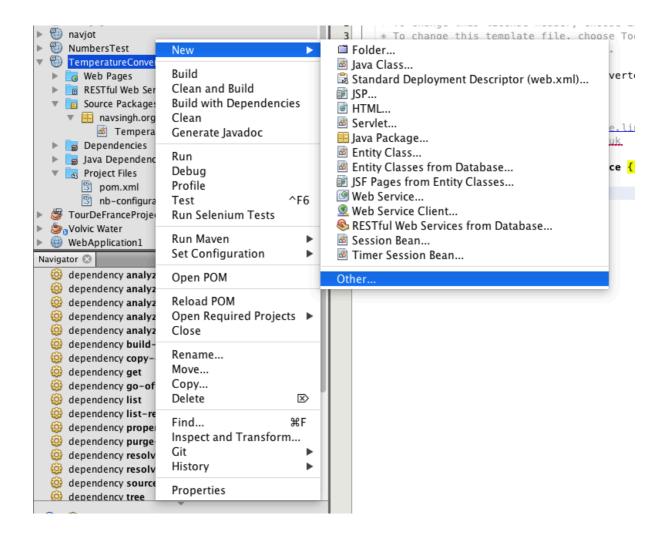
```
🚰 🚰 🤚 🀚 🍘 <default conf... 🐧 🚺 🕆 📆 🕽 🔻 🕦 🔻
                                              💰 MortgageCalculator.java 🗵 💰 MortgageInfo.java 🗵 💰 MyServiceFile.java 🗵 🙆 TemperatureConverterServ
                                                      History 👺 📴 🔻 🔻 💆 🔁 🖺 🖟 😓 🖆 🖆 🔘
 mavenproject1
▶ 🗑 MortgageCalc
 MortgageCalculator
                                                    * To change this license header, choose License Headers in Project Prop
 navjot 
                                                    * To change this template file, choose Tools | Templates
 NumbersTest
                                                    * and open the template in the editor.
 \Theta_0TemperatureConverter
    Web Pages
                                                    package navsingh.org.uk.temperatureconverter;
                                               6
  ▶ 🔃 RESTful Web Services
                                               8
                                                 ₽ /**
  ▼ 📴 Source Packages
                                               9

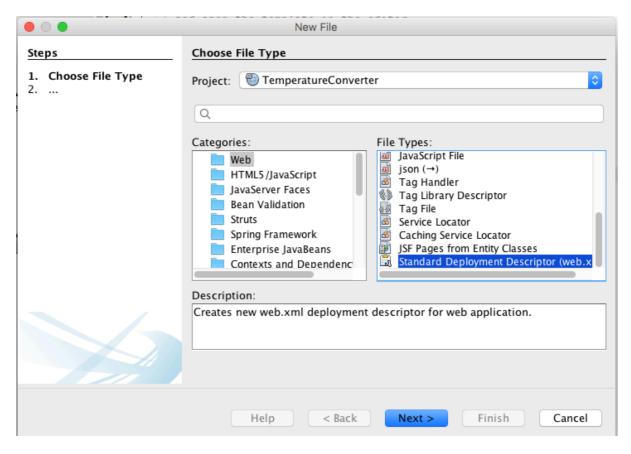
    Enavsingh.org.uk.temperatureconverter

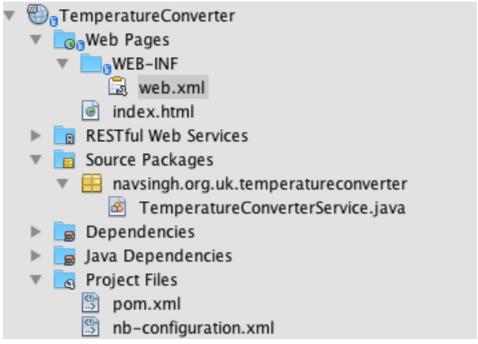
                                              10
                                                     * @author Navjot Singh Virk https://ie.linkedin.com/in/navjotvirk
        TemperatureConverterService.java
                                              11
                                                    * @Website: https://www.navsingh.org.uk
  Dependencies
                                              12
  Java Dependencies
                                              13
                                                    public class TemperatureConverterService {
  Project Files
                                              14
      pom.xml
                                              15
      nb-configuration.xml
```

# 4 <u>Create WEB-INF Folder and edit auto generated</u> <u>web.xml file</u>

Select Project > New > Other







### 5 Servlet Specification (web.xml) file

```
<!-- Servelet Specification -->
  <servlet>
      <servlet-name>rest</servlet-name>
      <servlet-class>org.glassfish.jersey.servlet.ServletContainer</servlet-class>
          <param-name>jersey.config.server.provider.packages</param-name>
          <param-value>navsingh.org.uk.temperatureconverter</param-value>
  </servlet>
  <servlet-mapping>
      <servlet-name>rest</servlet-name>
      <url-pattern>/api/*</url-pattern>
  </servlet-mapping>
  <!--->
Code:
 <!-- Servelet Specification -->
 <servlet>
    <servlet-name>rest</servlet-name>
    <servlet-class>org.glassfish.jersey.servlet.ServletContainer</servlet-class>
    <init-param>
      <param-name>jersey.config.server.provider.packages</param-name>
      <param-value>navsingh.org.uk.temperatureconverter</param-value>
    </init-param>
 </servlet>
 <servlet-mapping>
    <servlet-name>rest</servlet-name>
    <url-pattern>/api/*</url-pattern>
  </servlet-mapping>
  <!-- -->
```

Now, your web.xml should look somewhat like this:

```
<?xml version="1.0" encoding="UTF-8"?>
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/we
          version="3.1">
      <session-config>
         <session-timeout>
             30
         </session-timeout>
      </session-config>
      <!-- Servelet Specification -->
      <servlet>
          <servlet-name>rest</servlet-name>
         <servlet-class>org.glassfish.jersey.servlet.ServletContainer</servlet-class>
             <param-name>jersey.config.server.provider.packages</param-name>
             <param-value>navsingh.org.uk.temperatureconverter</param-value>
          </init-param>
      </servlet>
      <servlet-mapping>
         <servlet-name>rest</servlet-name>
         <url-pattern>/api/*</url-pattern>
      </servlet-mapping>
  </web-app>
```

### 6 Adding Plugin Servlet Specification pom.xml

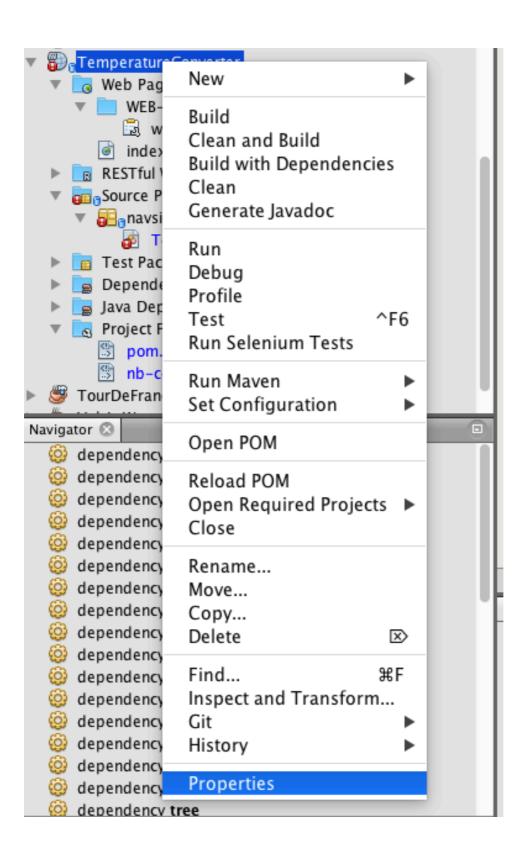
```
81
                   <!-- Adding Plugin Servlet Specification pom.xml
 82
                   <plugin>
 83
                       <groupId>org.eclipse.jetty</groupId>
 84
                       <artifactId>jetty-maven-plugin</artifactId>
                       <version>9.2.4.v20141103
 86
                       <configuration>
 87
                           <httpConnector>
 88
                               <!-- make jetty listen on 127.0.0.1 for better security -->
 89
                               <!--host>127.0.0.1</host-->
                           </httpConnector>
 91
                           <scanIntervalSeconds>3</scanIntervalSeconds>
 92
                           <webAppConfig>
 93
                               <!-- defaultsDescriptor>src/test/resources/jetty-maven-plugin-webdefault.xml
 94
                           </webAppConfig>
 95
                       </configuration>
 96
                   </plugin>
 97
Code:
```

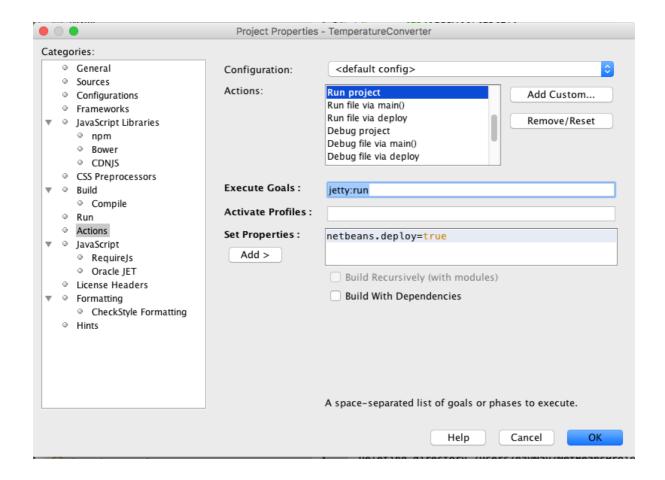
<!-- Adding Plugin Servlet Specification pom.xml -->
<plugin>
 <groupId>org.eclipse.jetty</groupId>
 <artifactId>jetty-maven-plugin</artifactId>
 <version>9.2.4.v20141103</version>
 <configuration>

<httpConnector>

### 7 Run Project

Before Running the project follow the 2 screenshots below and once done run the project.





# 8 Add http method (GET,POST, DELETE OR MORE) to your Java file created in step 3.

The End