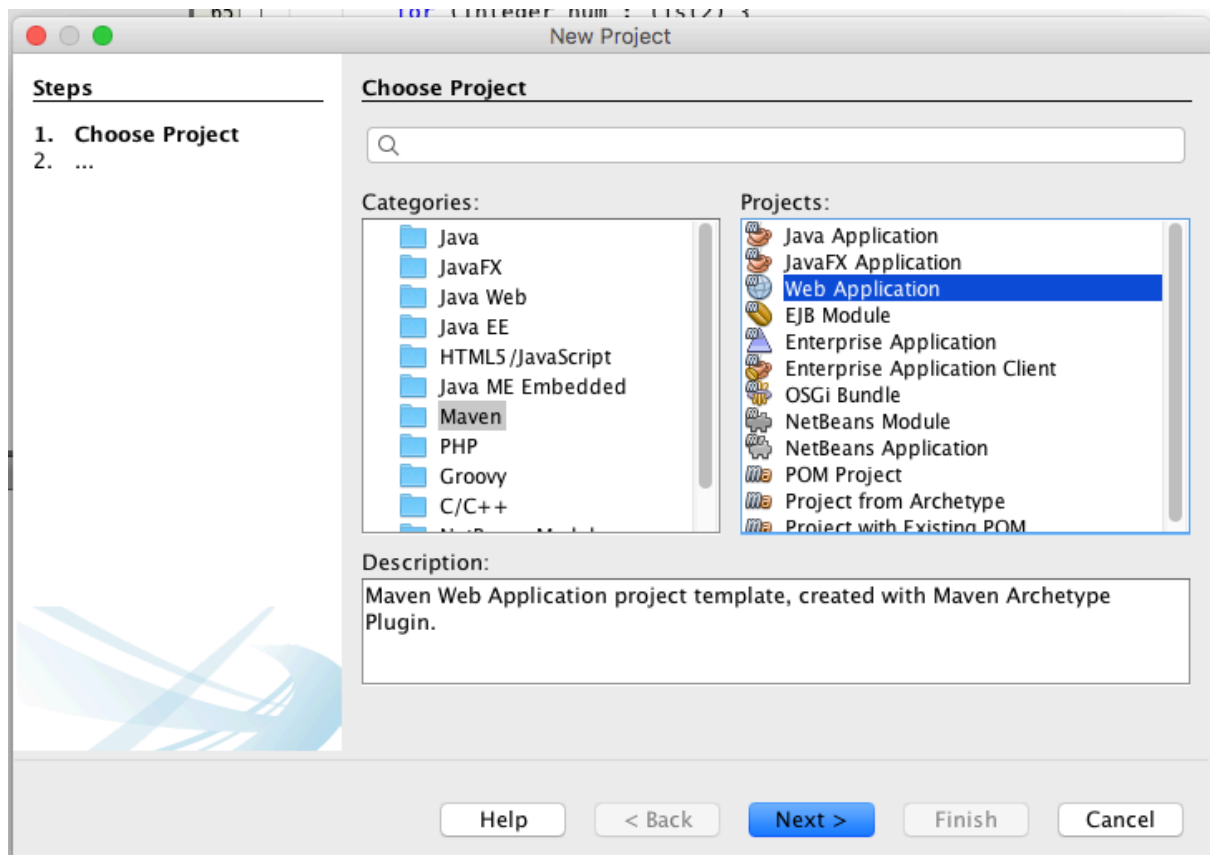


# Jersey Web API Development (REST)

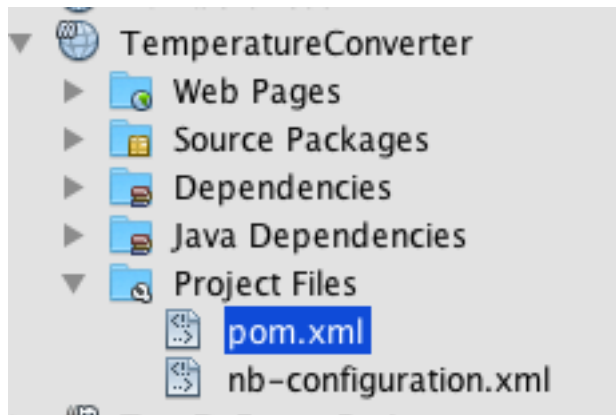
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## 1 Create New Project



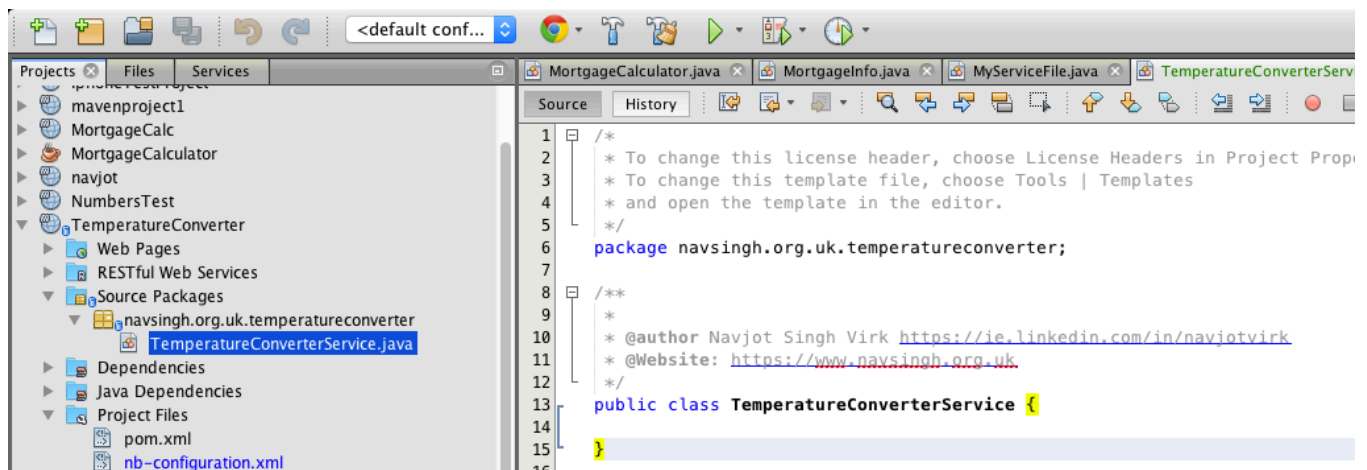
## 2 Add Jersey Dependency



**Code:**

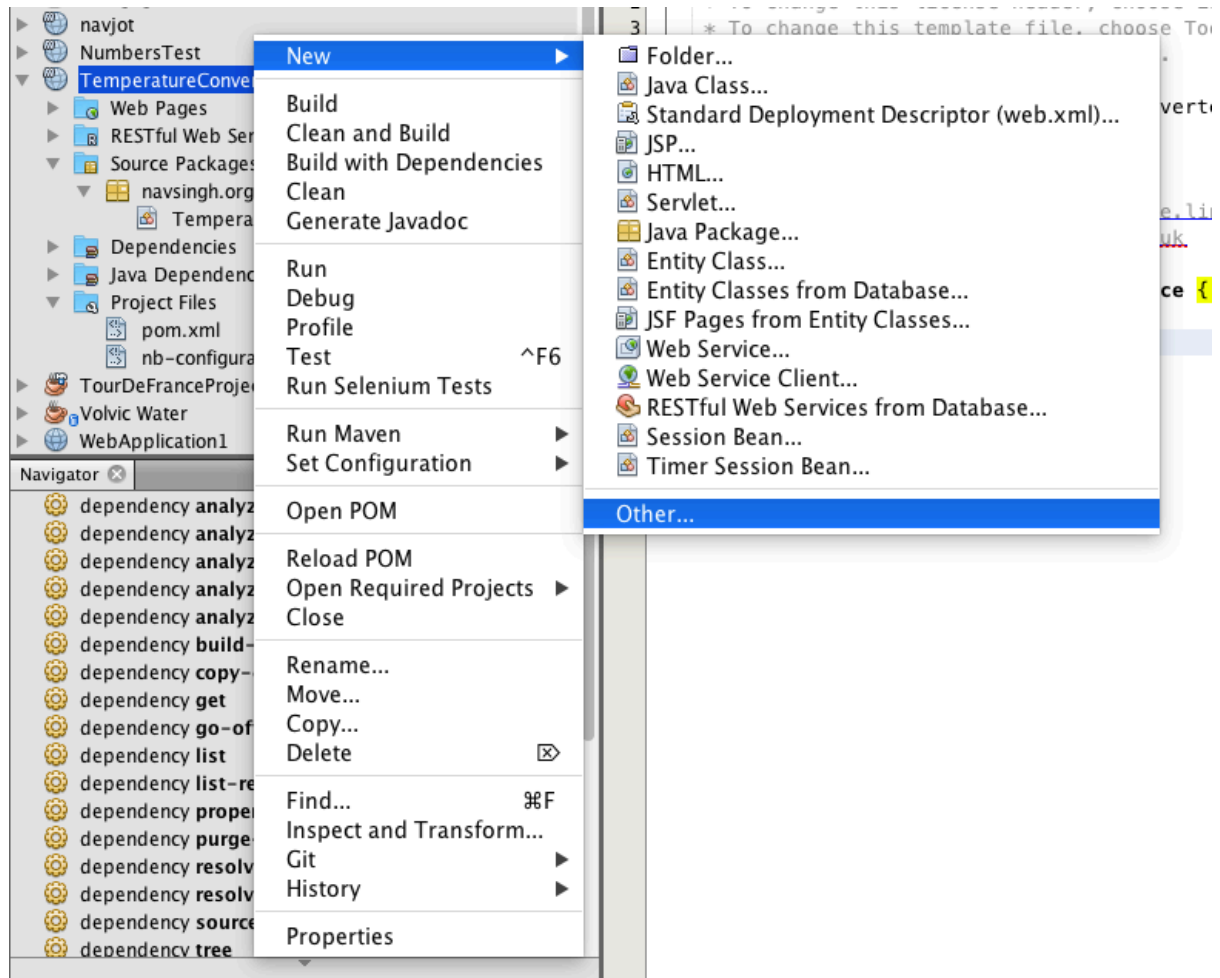
```
<dependency>
    <groupId>org.glassfish.jersey.containers</groupId>
    <artifactId>jersey-container-servlet</artifactId>
    <version>2.0</version>
</dependency>
```

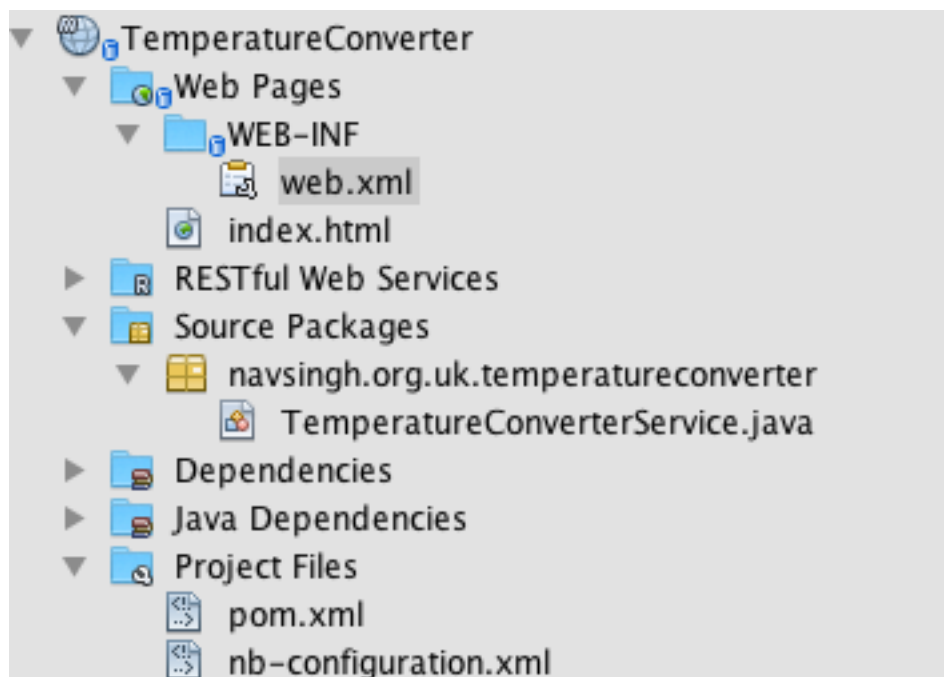
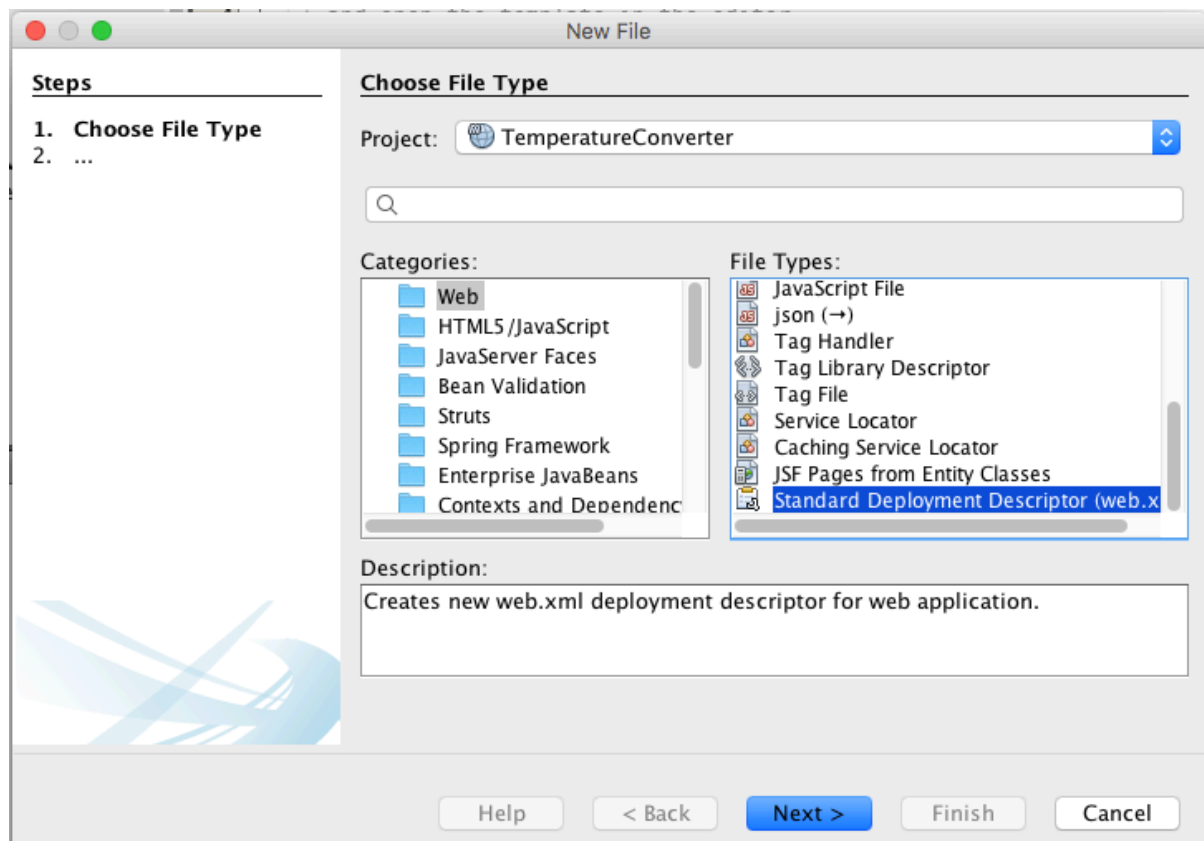
## 3 Add a new Java Class in Source Package



## 4 Create WEB-INF Folder and edit auto generated web.xml file

Select Project > New > Other





## 5 Servlet Specification (web.xml) file

```
<!-- Servlet 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>
<!-- -->
```

Code:

```
<!-- Servlet 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"?>

<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
  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>

  <!-- Servlet 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>
  <!-- -->

</web-app>

```

## 6 Adding Plugin Servlet Specification pom.xml

```

80
81 <!-- Adding Plugin Servlet Specification pom.xml -->
82 <plugin>
83   <groupId>org.eclipse.jetty</groupId>
84   <artifactId>jetty-maven-plugin</artifactId>
85   <version>9.2.4.v20141103</version>
86   <configuration>
87     <httpConnector>
88       <!-- make jetty listen on 127.0.0.1 for better security -->
89       <!--host>127.0.0.1</host-->
90     </httpConnector>
91     <scanIntervalSeconds>3</scanIntervalSeconds>
92     <webAppConfig>
93       <!-- defaultsDescriptor>src/test/resources/jetty-maven-plugin-webdefault.xml
94     </webAppConfig>
95   </configuration>
96 </plugin>
97 <!-- -->
98

```

Code:

```

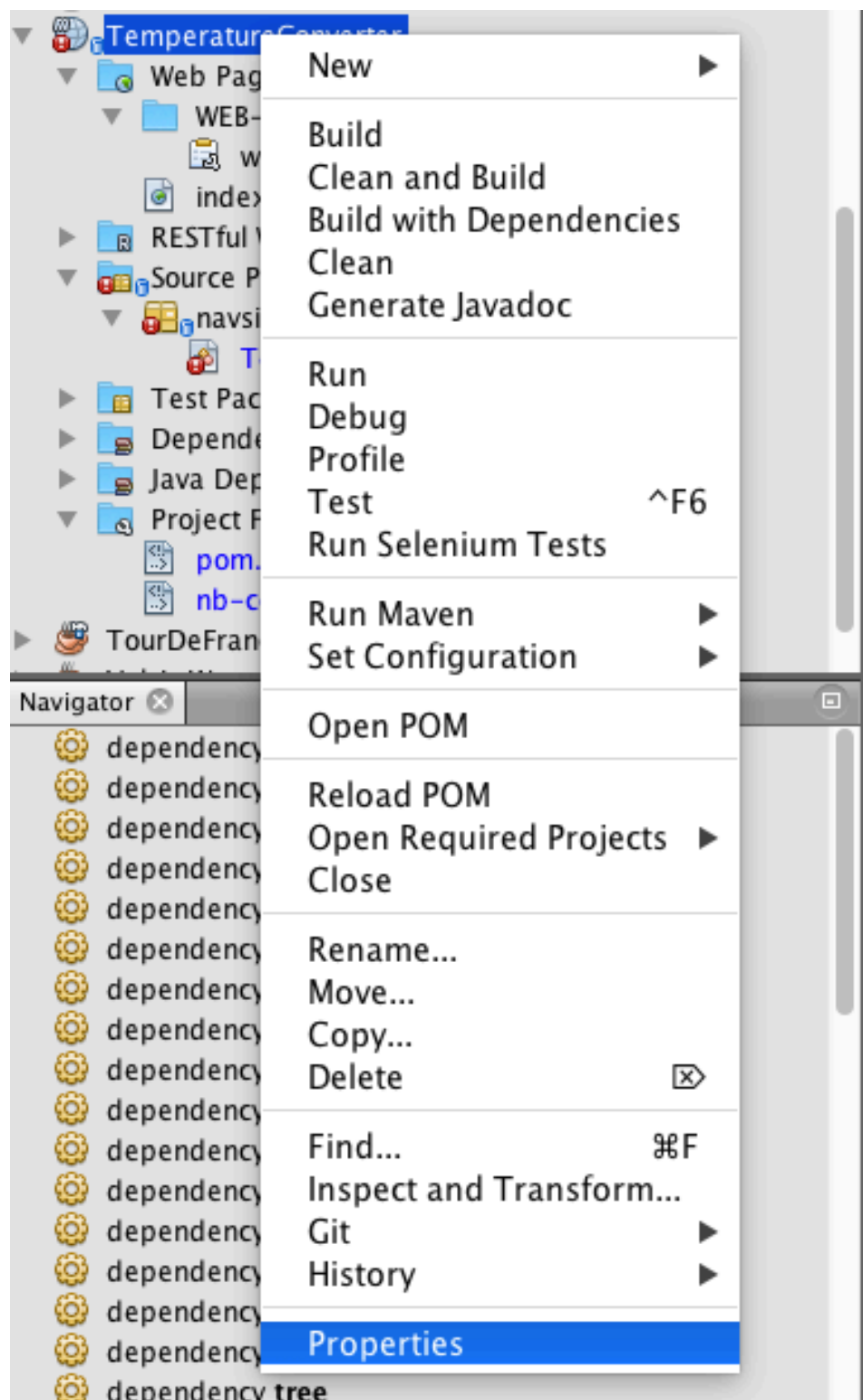
<!-- Adding Plugin Servlet Specification pom.xml -->
<plugin>
  <groupId>org.eclipse.jetty</groupId>
  <artifactId>jetty-maven-plugin</artifactId>
  <version>9.2.4.v20141103</version>
  <configuration>
    <httpConnector>

```

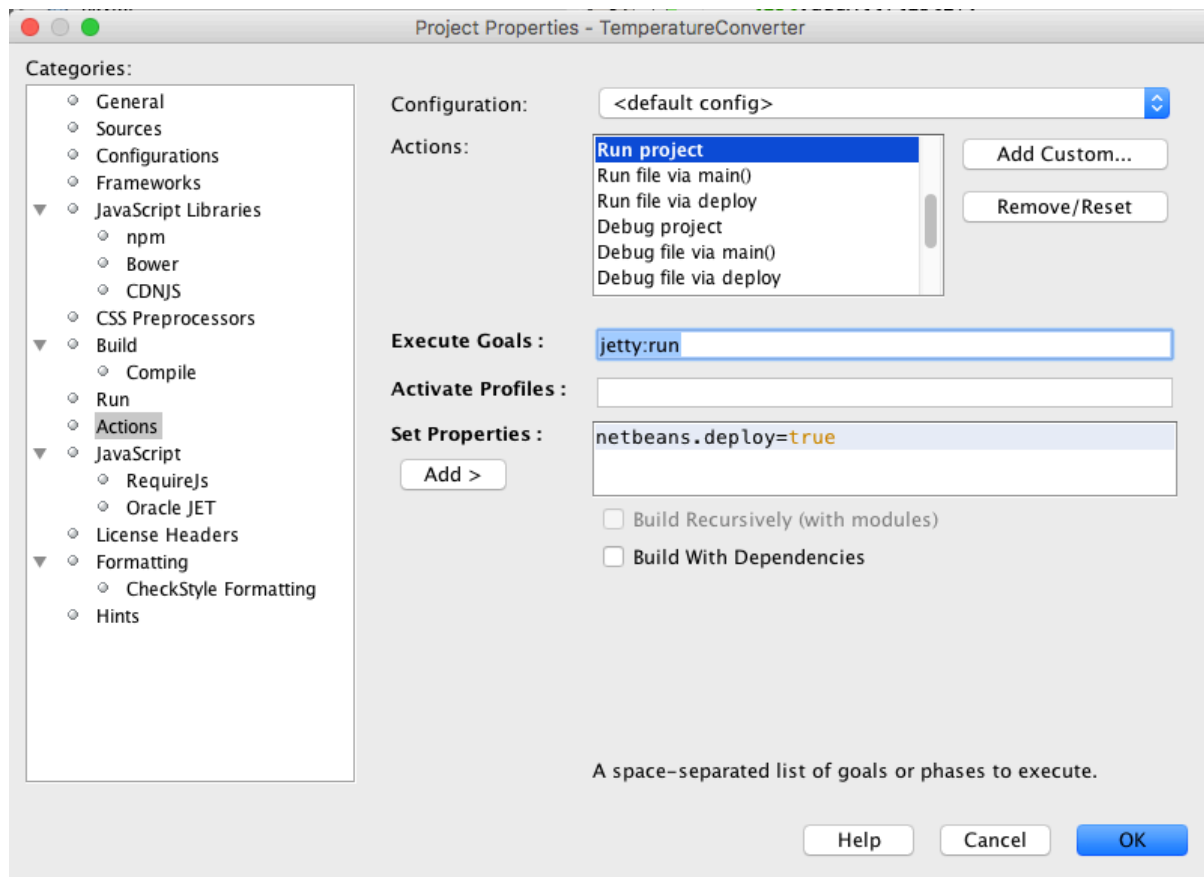
```
        <!-- make jetty listen on 127.0.0.1 for better security -->
        <!--host>127.0.0.1</host-->
    </httpConnector>
    <scanIntervalSeconds>3</scanIntervalSeconds>
    <webAppConfig>
        <!-- defaultsDescriptor>src/test/resources/jetty-maven-plugin-
webdefault.xml</defaultsDescriptor -->
    </webAppConfig>
</configuration>
</plugin>
<!-- -->
```

## **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