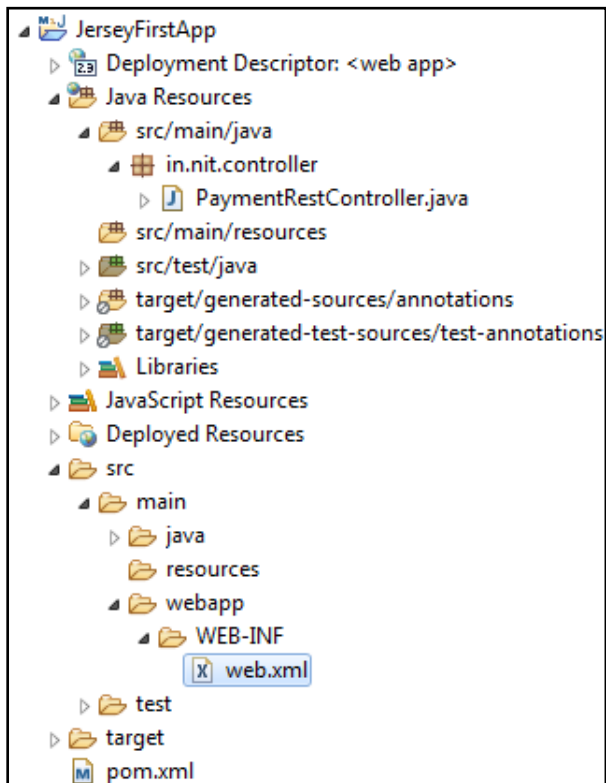


# Jersey 2 First Example

## Producer-Consumer using Maven

### Producer Application



1. pom.xml (copy only yellow color text into pom.xml file):-

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>in.nit</groupId>
  <artifactId>JerseyFirstApp</artifactId>
  <packaging>war</packaging>
  <version>1.0</version>
  <name>JerseyFirstApp Maven Webapp</name>
  <url>http://maven.apache.org</url>
  <dependencies>
    <dependency>
      <groupId>org.glassfish.jersey.containers</groupId>
```

```
        <artifactId>jersey-container-servlet</artifactId>
        <version>2.29</version>
    </dependency>
    <dependency>
        <groupId>org.glassfish.jersey.inject</groupId>
        <artifactId>jersey-hk2</artifactId>
        <version>2.29</version>
    </dependency>
</dependencies>
<build>
    <plugins>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-compiler-plugin</artifactId>
            <version>3.8.1</version>
            <configuration>
                <source>1.8</source>
                <target>1.8</target>
            </configuration>
        </plugin>
    </plugins>
</build>
</project>
```

## 2. web.xml

```
<!DOCTYPE web-app PUBLIC
"-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
"http://java.sun.com/dtd/web-app_2_3.dtd" >

<web-app>
    <servlet>
        <servlet-name>sample</servlet-name>
        <servlet-
class>org.glassfish.jersey.servlet.ServletContainer</servlet-class>
        <init-param>
            <param-name>jersey.config.server.provider.packages</param-name>
            <param-value>in.nit.controller</param-value>
        </init-param>
    </servlet>
    <servlet-mapping>
        <servlet-name>sample</servlet-name>
        <url-pattern>/rest/*</url-pattern>
    </servlet-mapping>
</web-app>
```

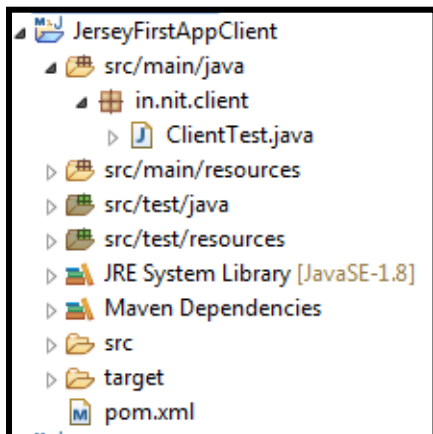
### 3. Controller class

```
package in.nit.controller;

import javax.ws.rs.GET;
import javax.ws.rs.Path;
/**
 * @author RAGHU
 */
@Path("/payment")
public class PaymentRestController {

    @GET
    public String findPayment() {
        return "Welcome to Payment App!!";
    }
}
```

# Consumer Application



pom.xml

```
<dependencies>
  <dependency>
    <groupId>org.glassfish.jersey.core</groupId>
    <artifactId>jersey-client</artifactId>
    <version>2.29</version>
  </dependency>
  <dependency>
    <groupId>org.glassfish.jersey.inject</groupId>
    <artifactId>jersey-hk2</artifactId>
    <version>2.29</version>
  </dependency>
</dependencies>
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.8.1</version>
      <configuration>
        <source>1.8</source>
        <target>1.8</target>
      </configuration>
    </plugin>
  </plugins>
</build>
```

1. ClientTest

```
package in.nit.client;
```

```
import javax.ws.rs.client.Client;
```

```
import javax.ws.rs.client.ClientBuilder;
import javax.ws.rs.client.Invocation.Builder;
import javax.ws.rs.client.WebTarget;
import javax.ws.rs.core.Response;

public class ClientTest {

    private static String
uri="http://localhost:2019/JerseyFirstApp/";

    public static void main(String[] args) {
        try {
            //create client object
            Client c=ClientBuilder.newClient();
            //provide target(URI) and Path
            WebTarget wt=c.target(uri)
                .path("/rest/payment");
            //create request object
            Builder b=wt.request();
            //execute Http Request and read response
            Response resp=b.get();
            //print response status
            System.out.println(resp.getStatus());
            System.out.println(resp.getStatusInfo());
            //print response entity
            if(resp.hasEntity()) {

                System.out.println(resp.readEntity(String.class));
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

FB: <https://www.facebook.com/groups/thejavatemple/>

email: javabyraghu@gmail.com