

# TD 6

## Web Service REST

### What Done

Follow all steps of Unit 1.

Follow to step 14 of Unit 2.

### What Working

The screenshot shows the Visual Studio Code interface with the Explorer, Explorer, and Explorer panels. The Explorer panel on the left shows the project structure for 'Tuto6', including 'src', 'main', 'java', 'net', 'org', 'rest', 'service', 'entities', 'Album.java', 'SampleService.java', 'webapp', 'WEB-INF', 'web.xml', 'test', 'target', '.classpath', '.project', and 'pom.xml'. The Explorer panel in the middle shows the 'web.xml' file with the following content:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><collection><album><albumId></albumId><date>2003-07-24T17:03:57.962+07:00</date><genre>HipHop</genre><title>Elephunk</title></album><album><albumId></albumId><date>2006-01-06T17:03:57.962+07:00</date><genre>HipHop</genre><title>Demon Days</title></album></collection>
```

The Explorer panel on the right shows the 'SampleService.java' file with the following content:

```
org.jboss.resteasy.plugins.server.servlet.ResteasyBootstrap
</listener-class>
</listener>
<servlet>
  <servlet-name>Resteasy</servlet-name>
```

The Terminal panel at the bottom shows the output of the REST client call, including the status code 'HTTP/1.1 200 OK', the content type 'Content-Type: application/xml', the content length 'Content-Length: 324', and the server 'Server: Jetty(9.0.5.v20130815)'. The REST client call is shown as:

```
curl -i -H "Accept: application/xml" http://localhost:8080/rest/sampleService/albums
```

The REST service response is shown as:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><collection><album><albumId></albumId><date>2003-07-24T17:03:57.962+07:00</date><genre>HipHop</genre><title>Elephunk</title></album><album><albumId></albumId><date>2006-01-06T17:03:57.962+07:00</date><genre>HipHop</genre><title>Demon Days</title></album></collection>
```

The Terminal panel also shows the output of the REST client call, including the status code 'HTTP/1.1 200 OK', the content type 'Content-Type: application/xml', the content length 'Content-Length: 324', and the server 'Server: Jetty(9.0.5.v20130815)'. The REST client call is shown as:

```
curl -i -H "Accept: application/xml" http://localhost:8080/rest/sampleService/albums
```

The REST service response is shown as:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><collection><album><albumId></albumId><date>2003-07-24T17:03:57.962+07:00</date><genre>HipHop</genre><title>Elephunk</title></album><album><albumId></albumId><date>2006-01-06T17:03:57.962+07:00</date><genre>HipHop</genre><title>Demon Days</title></album></collection>
```

### What Not Working

Unit 2 – Step 13: Did not get the message.

### How it works