

## Lesson-end Project : Handling the Test Data and Executing It in Multiple Environments for User Module of an Application.

(Writeup/source code):

=====

Feature file:

Feature: Implement The Lesson End Project

Scenario: Rest API testing on reqres.in

Given User send a Post request to create a user and validates status

Given User sends a Get request to get a user and validates status

Given User sends a get request to get list of users and validates status

=====

Steps package (Phase3Lesson3end\_project.java):

```
package steps;
```

```
import org.json.JSONObject;
```

```
import io.cucumber.java.en.Given;
```

```
import io.restassured.RestAssured;
```

```
import io.restassured.http.ContentType;
```

```
public class Phase3Lesson3end_project {
```

```
    @Given("User send a Post request to create a user and validates status")
```

```
    public void user_send_a_post_request_to_create_a_user_and_validates_status() {
```

```
        JSONObject body = new JSONObject();
```

```
        body.put("name", "xyz");
```

```
        body.put("job", "Tester");
```

```
        RestAssured.given()
```

```
            .baseUrl("https://reqres.in")
```

```
            .basePath("/api/users")
```

```
            .contentType(ContentType.JSON)
```

```
            .body(body.toString())
```

```

        .when().post()
        .then().statusCode(201).log().all(); // log if there an error

    }

    @Given("User sends a Get request to get a user and validates status")
    public void user_sends_a_get_request_to_get_a_user_and_validates_status() {

        JSONObject body = new JSONObject();
        body.put("email", "xyz@gmail.com");
        body.put("password", "password123");

        RestAssured.given().baseUrl("https://reqres.in")
            .basePath("/api/register")
            .when().get()
            .then().statusCode(200).log().all();

    }

    @Given("User sends a get request to get list of users and validates status")
    public void user_sends_a_get_request_to_get_list_of_users_and_validates_status() {

        RestAssured.given()
            .baseUrl("https://reqres.in")
            .basePath("/api/unknown")
            .when().get()
            .then().statusCode(200).log().all();

    }

}

=====

```

## Pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<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/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>RearAssuredDemo</groupId>
  <artifactId>RearAssuredDemo</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <name>RearAssuredDemo</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>1.7</maven.compiler.source>
    <maven.compiler.target>1.7</maven.compiler.target>
  </properties>

  <dependencies>
    <!-- https://mvnrepository.com/artifact/io.rest-assured/rest-assured -->
    <dependency>
      <groupId>io.rest-assured</groupId>
      <artifactId>rest-assured</artifactId>
      <version>5.3.0</version>
      <scope>test</scope>
    </dependency>

    <!-- https://mvnrepository.com/artifact/io.rest-assured/rest-assured-all -->
    <dependency>
      <groupId>io.rest-assured</groupId>
      <artifactId>rest-assured-all</artifactId>
      <version>5.3.0</version>
      <scope>test</scope>
    </dependency>

    <!-- https://mvnrepository.com/artifact/org.json/json -->
    <dependency>
      <groupId>org.json</groupId>
      <artifactId>json</artifactId>
      <version>20180813</version>
    </dependency>

    <!-- https://mvnrepository.com/artifact/org.hamcrest/hamcrest -->
    <dependency>
      <groupId>org.hamcrest</groupId>
      <artifactId>hamcrest</artifactId>
      <version>2.2</version>
```

```
<scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/io.rest-assured/json-path -->
<dependency>
  <groupId>io.rest-assured</groupId>
  <artifactId>json-path</artifactId>
  <version>5.3.0</version>
  <scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/com.fasterxml.jackson.core/jackson-databind -->
<dependency>
  <groupId>com.fasterxml.jackson.core</groupId>
  <artifactId>jackson-databind</artifactId>
  <version>2.15.2</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.testng/testng -->
<dependency>
  <groupId>org.testng</groupId>
  <artifactId>testng</artifactId>
  <version>7.7.1</version>
  <scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-java</artifactId>
  <version>7.10.1</version>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-junit</artifactId>
  <version>7.10.1</version>
  <scope>compile</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-core</artifactId>
  <version>7.10.1</version>
</dependency>

</dependencies>
```

```

<build>
  <pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent
pom) -->
    <plugins>
      <!-- clean lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#clean_Lifecycle -->
      <plugin>
        <artifactId>maven-clean-plugin</artifactId>
        <version>3.1.0</version>
      </plugin>
      <!-- default lifecycle, jar packaging: see https://maven.apache.org/ref/current/maven-core/default-
bindings.html#Plugin_bindings_for_jar_packaging -->
      <plugin>
        <artifactId>maven-resources-plugin</artifactId>
        <version>3.0.2</version>
      </plugin>
      <plugin>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.8.0</version>
      </plugin>
      <plugin>
        <artifactId>maven-surefire-plugin</artifactId>
        <version>2.22.1</version>
      </plugin>
      <plugin>
        <artifactId>maven-jar-plugin</artifactId>
        <version>3.0.2</version>
      </plugin>
      <plugin>
        <artifactId>maven-install-plugin</artifactId>
        <version>2.5.2</version>
      </plugin>
      <plugin>
        <artifactId>maven-deploy-plugin</artifactId>
        <version>2.8.2</version>
      </plugin>
      <!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#site_Lifecycle -->
      <plugin>
        <artifactId>maven-site-plugin</artifactId>
        <version>3.7.1</version>
      </plugin>
      <plugin>
        <artifactId>maven-project-info-reports-plugin</artifactId>
        <version>3.0.0</version>
      </plugin>
    </plugins>
  </pluginManagement>
</build>
</project>

```

