**Source Code**

**1.Creating features file**

**Lessonendproject.feature**

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

**2.Creating Steps package**

**Craeting java class file named as below**

**LessonEndproject.java**

**package steps;**

**import java.io.ObjectInputFilter.Config;**

**import org.json.JSONObject;**

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

**import io.restassured.RestAssured;**

**import io.restassured.config.LogConfig;**

**import io.restassured.http.ContentType;**

**import io.restassured.internal.http.AuthConfig;**

**import static io.restassured.RestAssured.config;**

**public class LessonEndproject {**

**@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", "Admin");**

**body.put("job", "developer");**

**RestAssured.given()**

**.baseUri("https://reqres.in")**

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

**.contentType("application/json")**

**.body(body.toString())**

**.when().post()**

**.then().statusCode(201)**

**.log().all();**

**}**

**@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", "eve.holt@reqres.in");**

**body.put("password", "pistol");**

**RestAssured.given() .baseUri("https://reqres.in")**

**.contentType(ContentType.JSON)**

**.body(body.toString())**

**.when().post("/api/register")**

**.then().statusCode(200)**

**.log().all()**

**// print the entire log of the request, but dont print the sensitive information**

**;**

**}**

**@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()**

**.baseUri("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>ATE-Phase3-RestAssured</groupId>

<artifactId>ATE-Phase3-RestAssured</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>ATE-Phase3-RestAssured</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>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.11</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>test</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>

<!-- 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-common -->

<dependency>

<groupId>io.rest-assured</groupId>

<artifactId>rest-assured-common</artifactId>

<version>5.3.0</version>

</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/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/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/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>

</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>