**SC Lesson 3 End Project**

**GET Request Code:**

package ReqResProject;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class GETReqDemo {

@Test

public void getServerResponse() {

RestAssured

.when()

.get("https://reqres.in/api/users?page=2")

.then()

.assertThat()

.statusCode(200)

.log().all();

}}

**Post Request Code:**

package ReqResProject;

import java.util.HashMap;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class POSTReqDemo {

HashMap<String, String> map = new HashMap<String, String>();

@BeforeMethod

public void createPayLoad() {

map.put("name", "morpheus");

map.put("job", "leader");

RestAssured.baseURI ="https://reqres.in/";

RestAssured.basePath = "/api/users";

}

@Test

public void createResource() {

RestAssured

.given()

.contentType("application/json")

.body(map)

.when().post()

.then()

.statusCode(201)

.log().all();

}}

**Put Request Code:**

package ReqResProject;

import java.util.HashMap;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class PUTReqDemo {

HashMap<String, String> map = new HashMap<String, String>();

@BeforeMethod

public void cretaePayLoad() {

map.put("name", "morpheus");

map.put("job", "Employee");

RestAssured.baseURI = "https://reqres.in/";

RestAssured.basePath = "/api/users/484";

}

@Test

public void updateResource(){

RestAssured

.given()

.contentType("application/json")

.body(map)

.when()

.put()

.then().statusCode(200)

.log().all();

}}

**Delete Request Code**

package ReqResProject;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class DELETEReqDemo {

@Test

public void deleteResource() {

RestAssured.baseURI = "https://reqres.in/";

RestAssured.basePath = "/api/users/484";

RestAssured

.when()

.delete()

.then()

.statusCode(204);

}}

**All 4 Requests Code**

package ReqResProject;

import static org.hamcrest.Matchers.is;

import java.util.HashMap;

import java.util.UUID;

import org.junit.Assert;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

import io.restassured.path.json.JsonPath;

import io.restassured.response.Response;

public class Create\_Update\_Delete\_ResourceReqres extends TestBase{

HashMap<String, String> map = new HashMap<String, String>();

UUID uuid = UUID.randomUUID();

int id;

Response response;

JsonPath jsonPath;

@Test(priority=0)

public void createPayload() {

map.put("name", "sindhu");

map.put("job", "leader");

RestAssured.baseURI = "https://reqres.in/";

RestAssured.basePath = "/api/users";

logger.info("Payload created");

}

@Test(priority=1)

public void createResource() {

response = RestAssured

.given()

.contentType("application/json")

.body(map)

.when()

.post()

.then()

.extract().response();

logger.info("Resource Created Successfully");

jsonPath = response.jsonPath();

id = jsonPath.getInt("id");

System.out.println(id);

}

@Test(priority=2)

public void verifyResource() {

System.out.println("Id = " + id);

RestAssured

.given()

.contentType("application/json")

.when()

.get("https://reqres.in/api/users?page=2"+id)

.then()

.statusCode(200);

logger.info("Resource verified");

Assert.assertTrue(jsonPath.get("name").equals("sindhu"));

}

@Test (priority=3)

public void updateResource() {

map.put("name", "sindhuuu");

map.put("email", "");

RestAssured.baseURI = "https://reqres.in/";

RestAssured.basePath = "/api/users/2" + id;

logger.info("Resource updated");

RestAssured

.given()

.contentType("application/json")

.body(map)

.when()

.put()

.then()

.statusCode(200)

.assertThat()

.body("name", is("sindhuuu"));

}

@Test (priority=4)

public void deleteResource() {

RestAssured.baseURI = "https://reqres.in/";

RestAssured.basePath = "/api/users/2" + id;

RestAssured

.given()

.contentType("application/json")

.when()

.delete()

.then()

.statusCode(204);

logger.info("Resource Deleted");

}}