**Practice Project:**

**Create, Update and Delete User Using RestAssured – reqres.in**

**create\_verify\_update\_delete\_user.java**

**package** in.reqres.lessonEndProject;

**import** java.util.HashMap;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**import** io.restassured.path.json.JsonPath;

**import** io.restassured.response.Response;

**public** **class** create\_verify\_update\_delete\_user **extends** TestBase {

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

String id;

Response response;

JsonPath jsonPath;

@Test(priority = 0)

**public** **void** createUser() {

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

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

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

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

response = RestAssured

.*given*()

.contentType("application/json")

.body(map)

.when()

.post()

.then()

.statusCode(201)

.log().all()

.extract().response();

logger.info("User Created Successfully");

jsonPath = response.jsonPath();

id = jsonPath.get("id");

}

@Test(priority = 1)

**public** **void** updateUser() {

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

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

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

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

RestAssured

.*given*()

.contentType("application/json")

.body(map)

.when()

.put()

.then()

.statusCode(200)

.log().all();

logger.info("User Updated Successfully");

}

@Test(priority = 2)

**public** **void** deleteUser() {

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

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

RestAssured

.*when*()

.delete()

.then()

.statusCode(204);

logger.info("User Deleted Successfully");

}

}

**TestBase.java**

**package** in.reqres.lessonEndProject;

**import** org.apache.log4j.Level;

**import** org.apache.log4j.Logger;

**import** org.apache.log4j.PropertyConfigurator;

**import** org.testng.annotations.BeforeClass;

**import** io.restassured.response.Response;

**import** io.restassured.specification.RequestSpecification;

**public** **class** TestBase {

**public** **static** RequestSpecification *httpRequest*;

**public** **static** Response *response*;

**public** Logger logger;

@BeforeClass

**public** **void** setUp() {

logger = Logger.*getLogger*("LogDemo");

PropertyConfigurator.*configure*("log4j.properties");

logger.setLevel(Level.***DEBUG***);

}

}

**Log4j.properties**

log4j.rootLogger=ERROR,stdout

log4j.logger.com.endeca=INFO

log4j.logger.LogDemo=DEBUG, dest1

# Logger for crawl metrics

log4j.logger.com.endeca.itl.web.metrics=INFO

log4j.appender.stdout=org.apache.log4j.ConsoleAppender

log4j.appender.stdout.layout=org.apache.log4j.PatternLayout

log4j.appender.stdout.layout.ConversionPattern=%p\t%d{ISO8601}\t%r\t%c\t[%t]\t%m%n

**Github Link:**

https://github.com/RoghInico715/restAssured\_lessonEnd