

Handling the Test Data and Executing It in Multiple Environments for User Module of an Application

Source Code

Script001RegisterUser.java

```
package in.reqres.test;

import org.json.JSONObject;
import org.testng.Assert;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.response.Response;

public class Script001RegisterUser {

    @Test
    public void registerUser() {

        /*
         * "email": "eve.holt@reqres.in", "password": "pistol"
         */

        JSONObject body = new JSONObject();

        body.put("email", "eve.holt@reqres.in");
        body.put("password", "pistol");

        String jsonBody = body.toString();

        //https://reqres.in/api/register
        Response response = RestAssured
            .given()
            .baseUrl("https://reqres.in")
            .basePath("/api/register")
            .contentType("application/json")
            .body(jsonBody)
```

```

        .when()
        .post()
        .then()
        .statusCode(200)
        .extract()
        .response();

        System.out.println(response.getBody().asPrettyString());
        System.out.println("Status Code " +
response.getStatusCode());
        System.out.println("Response Time: "+response.getTime());
        System.out.println("Content Type:
"+response.getHeader("Content-Type"));
        int expectStatusCode = 200;
        int ActualStatusCode = response.getStatusCode();
        Assert.assertEquals(expectStatusCode, ActualStatusCode);
    }
}

```

Script002GetUsers.java

```

package in.reqres.test;

import org.testng.Assert;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.response.Response;

public class Script002GetUsers {

    @Test
    public void getUsers() {

        //https://reqres.in/api/users
        Response response = RestAssured
            .given()
            .baseUrl("https://reqres.in")
            .basePath("/api/users")
            .contentType("application/json")

```

```

        .when()
        .get()
        .then()
        .statusCode(200)
        .extract()
        .response();

        System.out.println(response.getBody().asPrettyString());
        System.out.println("Status Code " +
response.getStatusCode());
        System.out.println("Response Time: "+response.getTime());
        System.out.println("Content Type:
"+response.getHeader("Content-Type"));
        int expectStatusCode = 200;
        int ActualStatusCode = response.getStatusCode();
        Assert.assertEquals(expectStatusCode, ActualStatusCode);
    }
}

```

Script003LoginUsers.java

```

package in.reqres.test;

import org.json.JSONObject;
import org.testng.Assert;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.response.Response;

public class Script003LoginUsers {

    @Test
    public void Login_User() {

        /*
         * {
        "email": "eve.holt@reqres.in",

```

```

        "password": "cityslicka"
    }
    */

JSONObject body = new JSONObject();

body.put("email", "eve.holt@reqres.in");
body.put("password", "cityslicka");

String jsonBody=body.toString();

//https://reqres.in/api/register
Response response = RestAssured
    .given()
    .baseUrl("https://reqres.in")
    .basePath("/api/login")
    .contentType("application/json")
    .body(jsonBody)
    .when()
    .post()
    .then()
    .statusCode(200)
    .extract()
    .response();

System.out.println(response.getBody().asPrettyString());
System.out.println("Status Code " +
response.getStatusCode());
System.out.println("Response Time: "+response.getTime());
System.out.println("Content Type:
"+response.getHeader("Content-Type"));
int expectStatusCode = 200;
int ActualStatusCode = response.getStatusCode();
Assert.assertEquals(expectStatusCode, ActualStatusCode);
    }
}

```

[Script004LoggingRequest.java](#)

```

package in.reqres.test;

import org.testng.Assert;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.response.Response;

public class Script004LoggingRequest {

    @Test
    public void Logging_Request() {

        //https://reqres.in/api/unknown
        Response response = RestAssured
            .given()
            .baseUrl("https://reqres.in")
            .basePath("/api/unknown")
            .contentType("application/json")
            .when()
            .get()
            .then()
            .statusCode(200)
            .log().all()
            .extract()
            .response();

        System.out.println(response.getBody().asPrettyString());
        System.out.println("Status Code " +
response.getStatusCode());
        System.out.println("Response Time: "+response.getTime());
        System.out.println("Content Type:
"+response.getHeader("Content-Type"));
        int expectStatusCode = 200;
        int ActualStatusCode = response.getStatusCode();
        Assert.assertEquals(expectStatusCode, ActualStatusCode);
    }
}

```

testNg.xml

```
<suite name="suite001">
```

```

<testname="test001">
<classes>
<classname="in.reqres.test.Script001RegisterUser"></class>
<classname="in.reqres.test.Script002GetUsers"></class>
<classname="in.reqres.test.Script003LoginUsers"></class>
<classname="in.reqres.test.Script004LoggingRequest"></class>
</classes>
</test>
</suite>

```

Pom.xml

```

<projectxmlns="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
https://maven.apache.org/xsd/maven-4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>RestAssured-LessonEnd-Project</groupId>
<artifactId>RestAssured-LessonEnd-Project</artifactId>
<version>0.0.1-SNAPSHOT</version>

<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-
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/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>  
</dependencies>  
</project>
```