Description

To create a framework for validating the test data using the web services for the authentication module

**Background of the problem statement:**

As a part of developing an authentication module for healthcare platform web applications, the back-end admin requires a module that can store the details of users and perform registration and login operations.

**You must use the following:**

* Eclipse  IDE
* Java 1.8
* TestNG
* Maven

**Using following in project :**

* Eclipse  IDE
* Java 1.8
* Cucumber
* Maven

**Uisng URL Endpoint:**

**Base URL:** <https://reqres.in/api>

**Register User URL:** <https://reqres.in/api/register>

**Get Users URL:** <https://reqres.in/api/users>

**Logging Test URL:** <https://reqres.in/api/unknown>

GitLink:

**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 send a Get request to get a user and validates status

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

StepDefinition Code:

**package** steps;

**import** org.json.JSONObject;

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

**import** io.restassured.RestAssured;

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

**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", "meghna");

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

RestAssured.*given*()

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

.basePath("/api/users")

.contentType(ContentType.***JSON***)

.body(body.toString())

.when().post()

.then().statusCode(201).log().ifError(); // 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", "meghna@gmail.com");

body.put("password", "pas123");

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

.contentType("application/json") .body(body.toString())

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

.then().statusCode(200)

// 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();

}

}

Screenshots:





