**SourceCode PHASEEND PROJECT**

**To automate functionalities using**[**https://petstore.swagger.io/**](https://petstore.swagger.io/)**REST API services**

Go to Your cucumber project → POM.xml file and remove the existing depenedecies section. Compelete section remove it.

<dependencies>

<dependency>

<groupId>org.apache.logging.log4j</groupId>

<artifactId>log4j-api</artifactId>

<version>2.14.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.apache.logging.log4j/log4j-core -->

<dependency>

<groupId>org.apache.logging.log4j</groupId>

<artifactId>log4j-core</artifactId>

<version>2.14.1</version>

</dependency>

<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/org.testng/testng -->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.7.1</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>

</dependencies>

Add a content in the json file

{

  "id": 947,

  "category": {

   "id": 0,

   "name": "string"

  },

  "name": "goat",

  "photoUrls": [

   "string"

  ],

  "tags": [

   {

   "id": 0,

   "name": "string"

   }

  ],

  "status": "available"

  }

Create the post method

**package** phaseEndproject;

**import** java.io.File;

**import** org.apache.logging.log4j.LogManager;

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

**import** org.hamcrest.Matchers;

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

**import** io.restassured.RestAssured;

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

**import** testHTTPmethods.Log4J2Demo;

**public** **class** **Assignment001Post** {

Logger logger =  LogManager.*getLogger*(Assignment001Post.**class**);

@Test(priority='1')

**public** **void** assignment001post()

{

logger.info(" pahse End project - Assignment001- Post Request");

File file = **new** File("resources/data.json");

**int** id = RestAssured.*given*()

.baseUri("https://petstore.swagger.io/v2/pet")

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

.body(file)

.when().post()

.then().statusCode(200)

.log().all()

.body("name", Matchers.*equalTo*("goat")).extract().path("id");

logger.debug(" The status code is checked");

System.***out***.println(id);

logger.info("Id has been captured and printed.");

}

@Test(priority='2',dependsOnMethods= {"assignment001post"})

**public** **void** assignment001Get()

{

String url = "https://petstore.swagger.io/v2/pet/947";

RestAssured.*given*()

.baseUri(url)

.when().get()

.then().statusCode(200)

.log().all()

.body("status", Matchers.*equalTo*("available"))

.body("id", Matchers.*equalTo*(947));

}

@Test(priority='3',dependsOnMethods= {"assignment001post"})

**public** **void** assignment001Delete()

{

String url = "https://petstore.swagger.io/v2/pet/947";

RestAssured.*given*()

.baseUri(url)

.when().delete()

.then().statusCode(200)

.log().all()

.body("code", Matchers.*equalTo*(200))

.body("message", Matchers.*equalTo*("947"));

}

}

**package** phaseEndproject;

**import** java.io.File;

**import** org.hamcrest.Matchers;

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

**import** io.restassured.RestAssured;

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

**public** **class** **Assignment002** {

@Test

**public** **void** post\_status\_available()

{

File file = **new** File("resources/data.json");

**int** id = RestAssured.*given*()

.baseUri("https://petstore.swagger.io/v2/pet")

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

.body(file)

.when().post()

.then().statusCode(200)

.body("name", Matchers.*equalTo*("goat")).extract().path("id");

System.***out***.println(id);

}

@Test(priority='2')

**public** **void** put\_status\_available\_Dev()

{

File file = **new** File("resources/data-dev.json");

**int** id = RestAssured.*given*()

.baseUri("https://petstore.swagger.io/v2/pet")

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

.body(file)

.when().put()

.then().statusCode(200)

.body("status", Matchers.*equalTo*("available-Dev")).extract().path("id");

System.***out***.println(id);

}

@Test(priority='3')

**public** **void** put\_status\_available\_QA()

{

File file = **new** File("resources/data-qa.json");

**int** id = RestAssured.*given*()

.baseUri("https://petstore.swagger.io/v2/pet")

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

.body(file)

.when().put()

.then().statusCode(200)

.body("status", Matchers.*equalTo*("available-QA")).extract().path("id");

System.***out***.println(id);

}

@Test(priority='4')

**public** **void** put\_status\_available\_Prod()

{

File file = **new** File("resources/data-prod.json");

**int** id = RestAssured.*given*()

.baseUri("https://petstore.swagger.io/v2/pet")

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

.body(file)

.when().put()

.then().statusCode(200)

.body("status", Matchers.*equalTo*("available-Prod")).extract().path("id");

System.***out***.println(id);

}

}

package phaseEndproject;

import org.hamcrest.Matchers;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class **Assignement003004005006** {

//@Test

public void assignment003()

{

String url = "https://petstore.swagger.io/v2/user/user123";

RestAssured.given()

.baseUri(url)

.when().get()

.then().statusCode(200)

.log().all()

.body("username", Matchers.equalTo("user123"))

.body("email", Matchers.equalTo("user@gmail.com"))

.body("userStatus",Matchers.equalTo(0));

}

//@Test

public void assignment004()

{

String url = "https://petstore.swagger.io/v2/user/login";

RestAssured.given()

.baseUri(url)

.auth().preemptive().basic("user123", "user@123")

.when().get()

.then().statusCode(200)

.log().all()

.body("message", Matchers.anything());

}

//@Test

public void assignment005\_available()

{

String url = "https://petstore.swagger.io/v2/pet/findByStatus";

RestAssured.given()

.baseUri(url)

.queryParam("status", "available")

.when().get()

.then().statusCode(200)

.log().all();

}

//@Test

public void assignment005\_pending()

{

String url = "https://petstore.swagger.io/v2/pet/findByStatus";

RestAssured.given()

.baseUri(url)

.queryParam("status", "pending")

.when().get()

.then().statusCode(200)

.log().all();

}

//@Test

public void assignment005\_sold()

{

String url = "https://petstore.swagger.io/v2/pet/findByStatus";

RestAssured.given()

.baseUri(url)

.queryParam("status", "sold")

.when().get()

.then().statusCode(200)

.log().all();

}

@Test

public void assignment006()

{

String url = "https://petstore.swagger.io/v2/user/logout";

RestAssured.given()

.baseUri(url)

.when().get()

.then().statusCode(200)

.log().all();

}

}

JMETER AND POSTMAN CODE IS IN SCREEN SHOT FILE