**Chapter 1**

**Step 1: Open Eclipse and Create a New Maven Project**

1. **Open Eclipse.**
2. **Create a new Maven project.**
3. **Add the following dependency to the pom.xml:**

<dependencies>

<!-- REST-Assured for API testing -->

<dependency>

<groupId>io.rest-assured</groupId>

<artifactId>rest-assured</artifactId>

<version>5.3.0</version>

<scope>test</scope>

</dependency>

<!-- JSONPath for parsing JSON -->

<dependency>

<groupId>io.rest-assured</groupId>

<artifactId>json-path</artifactId>

<version>5.3.0</version>

</dependency>

<!-- TestNG for testing framework -->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.8.0</version>

<scope>test</scope>

</dependency>

<!-- Jackson Databind for JSON serialization/deserialization -->

<dependency>

<groupId>com.fasterxml.jackson.core</groupId>

<artifactId>jackson-databind</artifactId>

<version>2.15.0</version>

</dependency>

<!-- Apache HTTP Components (Optional, if needed for custom HTTP client) -->

<dependency>

<groupId>org.apache.httpcomponents</groupId>

<artifactId>httpclient</artifactId>

<version>4.5.14</version>

</dependency>

</dependencies>

**Step 2: Create a Java Class**

1. **Create a package.**
2. **Create a Java class in the src/test/java folder.**

**Part 1] Verify the Success Status code 200 & 404 for the Bitcoin rate against USD and Non-USD currencies**

Code:

**package** getapi;

**import** org.testng.Assert;

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

**import** io.restassured.RestAssured;

**import** io.restassured.http.Method;

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

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

**public** **class** Chapter11 {

@Test

**public** **void** getCall() {

String apiURL="/api/users";

**try** {

RestAssured.*useRelaxedHTTPSValidation*();

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

RequestSpecification requestSpecification =RestAssured.*given*()

.header("Content-Type", "application/json")

.header("Accept", "application/json");

Response response=requestSpecification.request(Method.***GET***,apiURL);

Assert.*assertEquals*(response.statusCode(),200,"Status code must be 200");

}

**catch**(Exception e) {

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

}

}

}

Output:

A screenshot of a computer

AI-generated content may be incorrect.

**Part 2] Verify the Success Status code 200 & 404 for the Bitcoin rate against USD and Non-USD currencies**

Code:

**package** getapi;

**import** org.testng.Assert;

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

**import** io.restassured.RestAssured;

**import** io.restassured.http.Method;

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

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

**public** **class** Chapter11 {

@Test

**public** **void** getCall() {

String apiURL="/v1/bpi/currentprice.json";

**try** {

RestAssured.*useRelaxedHTTPSValidation*();

RestAssured.*baseURI* = "https://api.coindesk.com";

RequestSpecification requestSpecification =RestAssured.*given*()

.header("Content-Type", "application/json")

.header("Accept", "application/json");

Response response=requestSpecification.request(Method.***GET***,apiURL);

Assert.*assertEquals*(response.statusCode(),404,"Status code must be 404");

}

**catch**(Exception e) {

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

}

}

}

Output:

A screenshot of a computer

AI-generated content may be incorrect.