A close-up of a logo

Description automatically generated

**Cucumber Assignment.**

**Objective**

The goal of this assignment is to:

1. Get all change requests using query parameters.
2. Create an issue in Jira with multiple files.

**Notes**

1. Validate the response code.
2. Create a separate project for Jira.

**Prerequisites**

* RestAssured library added to your project dependencies
* Cucumber library added to your project dependencies
* Jira instance credentials

**Expected Completion Time**

* **Best Case:** 20 minutes
* **Average Case:** 30 minutes

**1. Get All Change Requests with Query Parameter**

**Feature File (ServiceNow.feature)**

Feature: Get all change requests

Scenario: Retrieve active change requests

Given *# implement your steps*

**Step Definitions (ServiceNowSteps.java)**

@Given("Set the endpoint")

public void setEndpoint() {

RestAssured.baseURI="https://dev104044.service-now.com/api/now/table/incident";

}

@And("Set the Auth")

public void setAuth() {

RestAssured.authentication=RestAssured.basic("admin", "f@jC1a/BbT4Y");

}

@When("Send a GET request to retrieve active change requests")

// implement your code

}

1. **Create Issue in Jira with Multiple Files**

Create a new project for JIRA

**Expected Completion Time**

* **Best Case:** 30 minutes
* **Average Case:** 45 minutes

**Feature File (Jira.feature)**

Feature: Create Jira issue with multiple files

Scenario: Create a Jira issue and attach files

Given API endpoint

When send a POST request to create an issue with attachments

Then should receive a status code of 201

And the issue should be created with the specified attachments

**Step Definitions (JiraSteps.java)**

public class JiraSteps {

@Given("Set the endpoint")

public void setEndpoint() {

RestAssured.baseURI=" https://<your\_jira\_instance>.atlassian.net/rest/api/2/issue ";

}

@And("Set the Auth")

**public** **void** setAuth() {

RestAssured.*authentication*=RestAssured.preemptive().basic.*basic*("username", "Jira API token");}

***Sample requestBody***  - "{\n" +

" \"fields\": {\n" +

" \"project\": {\n" +

" \"key\": \"PROJECT\_KEY\"\n" +

" },\n" +

" \"summary\": \"Issue created via RestAssured\",\n" +

" \"description\": \"Description of the issue\",\n" +

" \"issuetype\": {\n" +

" \"name\": \"Task\"\n" +

" }\n" +

" }\n" +

"}";

Refer below-

***response = RestAssured***

***.given()***

***.header("X-Atlassian-Token", "no-check")***

***.multiPart("file", new File("path/to/your/file1.txt"))***

***.multiPart("file", new File("path/to/your/file2.txt"))***

***.post();***

***}***

//implement the steps

**Running the Test**

**Test Runner (TestRunner.java)**

@CucumberOptions(

features = "src/test/resources/features",

glue = "stepDefinitions",

)public class TestRunner extends AbstractTestNGCucumberTests {

}

By following these steps, you should be able to:

1. Retrieve all change requests from ServiceNow using query parameters.
2. Create an issue in Jira with multiple file attachments.
3. Validate the response codes for both operations.

**Good luck!**

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