A close-up of a logo

Description automatically generated

**Assignment: Create, Update, and Delete Incident in Jira**

**Learning Objective:**

The objective of this assignment is to learn how to create, update, and delete incidents in Jira using its REST API with Rest Assured in a Java environment.

**Expected Completion Time:**

* Best Case: 45 minutes
* Average Case: 60 minutes

**Session Details:**

**Creating, Updating, and Deleting an Incident in Jira:**

1. **Preconditions:**
   * **Jira API Credentials:**
     + Obtain your Jira API credentials, including the base URL, username, and API token.
     + Example:
       - Base URL: https://your-domain.atlassian.net
       - Username: your-email@example.com
       - API Token: your-api-token

**Part 1: Create an Incident**

1. **Create a Java Class:**
   * Create a new package named it jiraincidents
   * Create a new class in the ***src/test/java/ jiraincidents*** directory and name it ***CreateIssue***.
2. **Steps Code for Creating an Incident:**
   * **Step 1:** Set the base URI for the Jira instance.
   * **Step 2:** Authenticate using ***preemptive().basic(“<***username>”, “<API token>”)
   * **Step 3:** Set the headers, including Content-Type as ***application/json***.
   * **Step 4:** Define the JSON payload for creating an incident.
   * **Step 5:** Send a POST request to the Jira API endpoint for creating an issue.
   * **Step 6:** Print the response body and status code to the console.
   * **Step 7:** Extract the id and key from the response and save them as variables.
   * **Payload**

{

    "fields": {

        "project": {

            "key": "MNP"

        },

        "summary": "create issue in RA project",

        "issuetype": {

            "name": "Story"

        }

    }

}

**Part 2: Update the Incident**

1. **Create a Java Class:**
   * Create a new package named it jiraincidents
   * Create a new class in the ***src/test/java/ jiraincidents*** directory and name it ***UpdateIssue***.
2. **Steps for Updating an Incident:**
   * **Step 1:** Set the base URI for the Jira instance.
   * https://your-domain.atlassian.net/ rest/api/2/issue/<issuekey>
   * **Step 2:** Authenticate using **preemptive().basic(“<username>”,”<Api token>”)**
   * **Step 3:** Set the headers, including Content-Type as application/json.
   * **Step 4:** Define the JSON payload for updating the incident.
   * **Step 5:** Send a PUT request to the Jira API endpoint for updating an issue using the saved id.
   * **Step 6:** Print the response body and status code to the console.

**Part 3: Delete the Incident**

1. **Create a Java Class:**
   * Create a new package named it jiraincidents
   * Create a new class in the ***src/test/java/ jiraincidents*** directory and name it D***eleteIssue***.
2. **Pseudo Code for Deleting an Incident:**
   * **Step 1:** Set the base URI for the Jira instance.
   * https://your-domain.atlassian.net/rest/api/2/issue/<issuekey>
   * **Step 2:** Authenticate using ***preemptive().basic(<username>,<apitoken>)***
   * **Step 3:** Set the headers.
   * **Step 4:** Send a DELETE request to the Jira API endpoint for deleting an issue using the saved id.
   * **Step 5:** Print the response body and status code to the console.