A close-up of a logo

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**Makaia Framework Assignment**

**Objective**

Learn how to intercept and analyze APIs using Chrome Dev Tools, implement the API in Postman, and use RestAssured in the Makaia Framework.

**Expected Completion Time**

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

**Steps**

**1. Intercept API using Chrome Dev Tools**

**a) Launch URL in Browser**

* Open Chrome browser and navigate to the URL

<https://uibank-api.azurewebsites.net/api/users/login>

**b) Open Chrome Dev Tools**

* Press ***Ctrl+Shift+I*** or ***F12*** (Windows) or ***Cmd+Opt+I*** (Mac) to open Dev Tools.

**c) Go to Network Tab**

* Click on the "***Network***" tab to start capturing network requests.

**d) Login with the following credentials**

* Username: **FebApiuser**
* Password: **Eagle@123**

**Intercepted API Details:**

* **URL:** <https://uibank-api.azurewebsites.net/api/users/login>
* **HTTP Method:** POST
* **Status Code:** 200
* **Request Body:**

{

"username": "FebApiuser",

"password": "Eagle@123"

}

* **Response:**

"id": "IjewR7FsYaaCv59ICZ9vNpSjXQJAteTv4bVcthQG1odqlebV6wUaYfHbPdYqvznJ",

"ttl": 1209600,

"created": "2024-05-18T03:43:04.405Z",

"userId": "64290731ba9f8a0047adacfc"

}

**Account Creation API:**

* **URL:** https://uibank-api.azurewebsites.net/api/accounts
* **Authorization:** IjewR7FsYaaCv59ICZ9vNpSjXQJAteTv4bVcthQG1odqlebV6wUaYfHbPdYqvznJ
* **Request Body:**

{

"friendlyName": "Test Cheque Account",

"type": "checking",

"userId": "64290731ba9f8a0047adacfc",

"balance": 100,

"accountNumber": 67734643

}

* **Response:**

{

"accountNumber": 67734643,

"friendlyName": "Test Cheque Account",

"type": "checking",

"balance": 100,

"date": "2024-05-18T03:50:37.980Z",

"id": "6648258dc6b712005b30a153",

"userId": "64290731ba9f8a0047adacfc"

}

**2. Implementation in Postman**

**a) Right click on API**

* In the Dev Tools Network tab, right-click on the login API request.

**b) Copy cURL as bash**

* Select ***Copy > Copy as cURL (bash).***

**c) Click on Import option in Postman**

* Open Postman and click on the Import button.

**d) Paste the content from network tab**

* Paste the copied cURL command into the Import window and click Continue.

**e) Save the request under collection**

* Save the request in an appropriate collection for future use.

**3. Implementation in RestAssured (Makaia Framework)**

**a) Update config\_api.properties**

* Open config\_api.properties and update the server details.

server = <https://uibank-api.azurewebsites.net>

username= FebApiuser

password= Eagle@123

**b) Implement @BeforeMethod to extract the ID and save it as a global variable**

* Create a new Java class TC001\_LoginAndCreateAccount.java in the tests.rest package.

public class TC001\_LoginAndCreateAccount {

private String authToken;

private String userId;

@BeforeMethod

// implement code to extract id and save it as global variable

Note : ***//Get the username & Password from Config.properties***

Payload

{

"username": "FebApiuser",

"password": "Eagle@123"

}

@Test

public void createAccount() {

***createAccountPayload :***

"{\n" +

" \"friendlyName\": \"Test Cheque Account\",\n" +

" \"type\": \"checking\",\n" +

" \"userId\": \"" + userId + "\",\n" +

" \"balance\": 100,\n" +

" \"accountNumber\": 67734643\n" +

"}";

}

}

In the above implementation:

* The @BeforeMethod annotated method loginAndExtractToken logs into the API and extracts the authentication token and user ID, which are stored in global variables authToken and userId.
* The createAccount test method uses these global variables to create a new account.

**Conclusion**

Upon completion, you should be able to:

* Use Chrome Dev Tools to intercept and analyze API requests and responses.
* Implement and test APIs using Postman.
* Use RestAssured within the Makaia Framework to automate API testing.

This documentation provides a comprehensive guide for intercepting, analyzing, and implementing APIs using Dev tools, Postman, and RestAssured within the Makaia Framework.