

Homework Assignment: Playwright with API Integration

Learning Objective:

Learn to automate CRM operations and validate responses using Playwright, focusing on authentication, CRUD operations, and response assertion.

Expected Completion Time:

Best Case: 20 minutes

Average Case: 25 minutes

Assignment Details:

Automate CRM operations using Postman and Playwright: authenticate, manage opportunities, validate operations in Postman, and assert responses with Playwright.

Preconditions:

Endpoint URL for the access token generation: <https://login.salesforce.com/services/oauth2/token>

Endpoint URL for the Opportunity:

<https://{your-salesforce-instance}/services/data/v59.0/subjects/Opportunity>

Assignment Requirements:

Using Postman and API Integration

1. Generate an access token and set the access token as a global variable
2. Create a new opportunity and set the opportunity ID as a global variable
3. Update the type dropdown to 'New Customer' and stage dropdown to 'Prospecting'
4. Get all the opportunities in your instance
5. Delete the first record
6. Assert the different responses using Playwright

Hints to Solve:

Perform authentication, CRUD on opportunities, and assert responses in both Postman and Playwright.

Expected Outcome:

Upon completion, you should be able to:

- Understand how to automate and validate CRM operations, demonstrating proficiency in using Postman for API calls and Playwright for testing and assertion.