Test Strategy & Documentation

# 1. Project Overview

This project contains both UI and API test automation to demonstrate functional validation for interview assessment.

# 2. Scope of Testing

- UI Tests: Login, Add, Edit, Delete item validations

- API Tests: GET, POST, PUT, DELETE endpoints tested using Postman

# 3. Tools & Technologies

- Selenium, JUnit5, Maven

- Postman, Newman

- Java 11, GitHub, OBS Studio (for screen recording)

# 4. Test Types Covered

- Functional UI testing

- REST API endpoint validation

- Positive & Negative scenarios

- Alert handling, DOM element assertions

# 5. Setup Steps

Clone the repository and navigate to the respective folder.

* Run UI tests:
* git clone git@github.com:kavyaputta92/Tests.git
* cd selenium-ui-tests
* mvn test
* Run API tests:
* cd api-tests
* newman run api-tests.postman\_collection.json

# 6. Folder Structure

/Tests  
 ├── api-tests/  
 │ └── \*.postman\_collection.json  
 └── selenium-ui-tests/  
 ├── src/test/java/ui/UITests.java  
 └── pom.xml

# 7. Reporting

UI Tests: Open surefire report at target/site/surefire-report.html

API Tests: Newman CLI or HTML report

# 8. Recording Test Runs

Use OBS Studio to capture your test execution:

- Launch OBS

- Add Display Capture source

- Click 'Start Recording' and run your tests