Automation Project Plan

1. Objective

The purpose of this project is to automate the testing of selected critical and repetitive scenarios of the application. Automation will help reduce manual effort, increase test coverage, and provide faster feedback.

2. Scope

Automation will cover the following functionalities:

- Login with valid/invalid credentials
- Password reset functionality (valid + invalid email)
- User registration with valid details

3. Out of Scope

The following will not be automated:

- UI design validation (colors, alignment, layout)
- Exploratory testing scenarios
- Performance/load testing

4. Test Cases Selected for Automation

Test Case ID	Test Case Title	Priority	Reason for Automation
TC-01	Login with valid credentials	High	Critical & repetitive
TC-02	Login with invalid credentials	High	Important negative test
TC-03	Password reset with valid email	Medium	Frequently used
TC-04	Password reset with invalid email	Medium	Edge case
TC-05	User registration with valid details	High	Business-critical

5. Tools & Framework

- **Automation Tool:** Selenium WebDriver
- **Language:** Java

- **Test Runner:** JUnit
- **CI Tool:** GitHub Actions (for pipeline execution)

6. Deliverables

- Automated test scripts (stored in GitHub repo)
- Test execution reports (HTML/PDF)
- CI pipeline draft for automated test execution

7. Timeline

Activity	Duration	Deadline
Test Case Selection	0.5 day	29 Aug 2025
Script Development	2 days	02 Sep 2025
CI Pipeline Setup	1 day	04 Sep 2025
Final Report	0.5 day	05 Sep 2025