

Team Roles and Project Justification

Project Justification

The team chose this project to address the growing need for reliable and efficient automated testing in web applications.

Manual testing is time-consuming, prone to human error, and difficult to scale. By developing an automated testing framework, the project aims to improve the accuracy, efficiency, and consistency of testing processes.

This project is particularly beneficial to the software development industry as it helps organizations enhance software quality, reduce development costs, and accelerate time-to-market. By integrating automation into testing, companies can detect bugs earlier in the development cycle, leading to more robust and secure applications.

Additionally, this initiative contributes to the broader community by promoting best practices in software testing, encouraging quality assurance awareness, and preparing the team for real-world challenges in the field of software engineering.

Team Roles

Seif Waleed Abdel Monsef Shalaby - Team Leader & Automation Test Engineer

- Supervise project execution
- Develop and execute automation tests using Selenium
- Review test reports and analyze results

Islam Nasser Ahmed Mohamed Gharib - Team Leader & UI Tester

- Lead project execution alongside Seif
- Develop UI test cases for cross-browser and device compatibility
- Execute UI/UX testing

Mahmoud Sabry Shibl Mahmoud Al-Bandari - Test Manager

- Prepare test plans and manage test processes
- Track testing progress and manage Jira for defect tracking

Maha Mamdouh Mohamed Mostafa - Performance Tester

- Set up performance tests using JMeter
- Analyze load and performance test results

Basant Mohamed Mohamed - API Tester

- Perform API tests using Postman
- Validate data responses and log defects

Habiba Mohamed Rizk Abdel Bari - Defect Manager

- Track and manage defects in Jira
- Coordinate with the team to prioritize fixes

Mohamed Hassan Mohamed Othman - CI/CD Integration Specialist

- Set up CI/CD environment to integrate tests with Jenkins
- Ensure automated tests run with every update