

Project Title:

Comprehensive Testing Framework for SauceDemo Web Application

Project Objectives:

1. **Manual Testing:** Perform manual tests to identify critical areas for automation.
 2. **UI Testing:** Ensure all UI elements function correctly across different browsers and devices.
 3. **API Testing:** Test API responses using Postman to ensure they meet functional requirements.
 4. **Performance Testing:** Assess the application's load handling and scalability using JMeter.
 5. **Automation Testing:** Implement an automated testing framework using Selenium for UI and functional tests.
 6. **Reporting and Documentation:** Generate detailed reports and document all test cases, results, and bugs.
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Team Members and Roles:

1. **Arwa saad el-sayed - Team Leader & Test Case Writer**
 - Phone: 01095312763 | Email: arwasaad535@gmail.com
 - **Role:** Arwa is responsible for leading the team, writing and managing test cases, and overseeing the reporting and documentation of the project.
2. **Shaimaa eid ali - Manual & UI Testing Specialist**
 - Phone: 01000243151 | Email: omrm9233@gmail.com
 - **Role:** Shaimaa handles manual testing and ensures that UI elements work correctly across different platforms.
3. **Hanaa masoud hamed - API Testing Specialist**
 - Phone: 01141590192 | Email: Hanaa.masouddpi@hotmail.com

- **Role:** Hanaa is responsible for API testing using Postman to validate the communication between the front-end and back-end systems.
4. **ahmed hesham Abd-elwahab - Performance Testing Specialist**
- Phone: 01066972702 | Email: a.hesham2014@gmail.com
 - **Role:** Ahmed is responsible for conducting performance testing using JMeter to assess the scalability and load handling of the application.
5. **Mohamed abd-elhamed hassan- Automation Testing Engineer**
- Phone: 01004904354 | Email: Mohamedshaheen201919@gmail.com
 - **Role:** Mohamed develops automated test scripts using Selenium for functional and UI testing.
6. **Abanoub Youssef - Reporting and Documentation Specialist**
- Phone: 01275447783 | Email: abanoub.youssef0002@gmail.com
 - **Role:** Abanoub is in charge of generating detailed reports and documenting all test cases and results.
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Additional Information:

- **Manual Testing:** Helps identify critical areas for automation and verify initial functionality.
 - **UI Testing:** Ensures cross-browser compatibility and responsive design for different device types.
 - **API Testing:** Verifies the correctness of API responses, such as login and order submission.
 - **Performance Testing:** Measures response times, load handling, and scalability using JMeter.
 - **Automation Testing:** Speeds up the testing process by automating repetitive functional and UI tests.
 - **Reporting and Documentation:** All test cases and results will be thoroughly documented, with detailed reports provided for each test phase.
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