AUTOMATED TESTING FRAMEWORK FOR A WEB APPLICATION

Automation Exercise Website

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Project Overview

Introduction

Automation Exercise is a web-based platform designed to practice of automation testing. This project aims to evaluate the website's functionality and usability through a comprehensive testing process.

Objectives

- Identify and document bugs and issues within the website.
- Ensure that all features function as intended.
- Validate the user experience.

Project Scope

Inclusions

- **Functional Testing**: Assessing core features such as user registration, product search, and checkout processes.
- **Usability Testing**: Evaluating user experience and navigation.
- **API Testing**: Testing various endpoints for functionality and reliability.

Exclusions

- Non-functional testing beyond performance and security.

Limitations

- Testing may be constrained by time and resource availability.
- Certain edge cases may not be covered due to time constraints.

Project Technology

Testing Tools

- **Selenium**: For automated functional testing.
- **Postman**: For API testing.
- **Excel** : For Manual test Cases

Languages and Frameworks

- **Programming Languages**: Java.

Deliverables

1. **Test Cases**: A detailed list of test cases covering all features.
2. **API Test Results Report**: Summarizing outcomes, including defects found, severity, and status.
3. **Bug Report:** A comprehensive report detailing all identified bugs and their severity.
4. **Automation Source Code:** The complete source code for the automated test scripts, organized and documented for clarity.

Conclusion

This testing project aims to enhance the quality and user satisfaction of the Automation Exercise website. Continuous testing and maintenance are recommended to address future issues and improve the user experience.