

Project Name: CAI2_SWD6_G5 - G4 - Tool Shop - eCommerce website

Project Goals:

This project aims to develop a robust automated testing framework for an e-commerce website using Selenium, Postman, Jira, and JMeter. The primary objectives include:

- Ensuring seamless user interactions through comprehensive UI and functional testing.
- Automating key processes such as user login, product search, cart management, and checkout for efficiency and accuracy.
- Conducting API testing to verify seamless communication between services.
- Performing performance testing to assess the website's ability to handle high traffic loads.
- Integrating testing within CI/CD pipelines for continuous quality assurance and faster deployment cycles.

This project not only enhances software quality but also provides valuable hands-on experience for software testers, making it a practical tool for real-world e-commerce testing.

Team Members and Roles:

- **Mustafa Farouq Hassan** - Sign in/Login page, My Account Page, My Favorite page, My Profile Page and My Messages Page
- **Sara Abdelaleem Abdelrady** - Add to cart, Payment Method and My Invoice page
- **Marwan Magdy Salah & Ahmed Mokhtar Helmy** - Home page, Categories Menu, Price range, Sort and Filters options

Additional Information:

- **Test Artifacts:** Creating test cases, bug reports, automation with Selenium, Jira, and GitHub.
- **Jira Board:** [CSGGTSEW Jira Board](#)
- **GitHub Repository:** [GitHub Project](#)
- **Practice Website:** [Practice Software Testing](#)
- **Expected Completion Date:** April 11, 2025