

CS423 – CSC13003 – Software Testing Project description

Project description

General Information

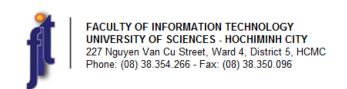
Exercise ID:

Duration:	
Deadline:	(please see the submission link)
Form:	Group Assignment
Submission:	Moodle
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Learning Outcomes

By completing this series of assignments, students will be able to:

- **Design and execute** various types of software testing, including:
 - Domain Testing
 - Scenario-Based Testing
 - o GUI Testing
 - Automation Testing
 - Performance Testing
 - o API Testing
- Produce professional test documentation, including:
 - Test Plans outlining the scope, objectives, and testing strategy



- Detailed Test Cases with step-by-step instructions, expected results, and actual outcomes
- Test Case Summaries highlighting execution status and coverage
- Bug Reports that document defects with severity levels, reproduction steps, and status updates
- Comprehensive Test Reports summarizing the testing process, key findings, and improvement recommendations
- **Develop practical skills** in defect identification, reporting, and management, contributing to effective software quality assurance in real-world environments.

Software Under Test

• **Application**: The Toolshop

• Repository: https://github.com/testsmith-io/practice-software-testing/

• Target Folder: /sprint5-with-bugs (Sprint 5 with known issues)

Assignment Overview

Each student will complete the following individual assignments:

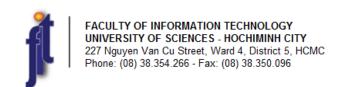
- **HW#02** Domain Testing
- HW#03 Scenario Testing & Data Generation
- **HW#04** GUI Testing
- **HW#05** Automation Testing
- **HW#06** Performance Testing
- **HW#07** API Testing

Note: All assignment requirements are provided in detail in the corresponding task descriptions.

Group Project Requirement

To ensure proper collaboration and avoid duplicated effort, each group must coordinate task distribution effectively. The final group deliverable is:

- **HW#08 Final Report**, which must include:
 - o Test Plan
 - Test Cases



- Test Case Summary
- o Bug Reports
- Test Report

All documents must reflect contributions from different members and cover various testing types performed across the sprint.