



## CS423 – CSC13003 – Software Testing

### Project description

#### General Information

Exercise ID:	Project description
Duration:	
Deadline:	(please see the submission link)
Form:	Group Assignment
Submission:	Moodle
Lecturer:	Dr. Lam Quang Vu Dr. Tran Duy Hoang MSc. Tran Thi Bich Hanh
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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
  - GUI Testing
  - Automation Testing
  - Performance Testing
  - 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.
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## 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)
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## 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.

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## 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:
  - **Test Plan**
  - **Test Cases**



- **Test Case Summary**
- **Bug Reports**
- **Test Report**

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