# Final Project – Testing Proposal

Submitted by: EYouth Testing Team

## 1. Project Description

The project aims to test the functionality, performance, and security of a web-based E-commerce Platform. The primary focus is to ensure a seamless user experience, verify API responses, and automate regression tests for key features such as user authentication, product browsing, and checkout.

## 2. Group Members & Roles

• Enjy – Manual Tester (UI & Functional Testing)

• Hazem – API Tester (Postman & API Validation)

• Michel– Automation Tester (Selenium & Cypress)

## 3. Team Leader

Mariam Ramy – Responsible for managing tasks, ensuring deadlines are met, and reporting progress.

## 4. Objectives

• Identify and fix functional defects in core features.

• Ensure API responses meet performance and security standards.

• Automate repetitive regression tests to reduce manual effort.

• Improve overall test coverage and minimize risks before deployment.

## 5. Tools & Technologies

• Manual Testing: TestRail, JIRA

• API Testing: Postman, Newman

• Automation: Selenium, Cypress

• Performance Testing: JMeter

• Bug Tracking: JIRA

## 6. Milestones & Deadlines

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| Milestone | Deadline |
| Test Plan Submission | March 18, 2025 |
| Functional Testing Completion | March 25, 2025 |
| API Testing Completion | March 30, 2025 |
| Automation Script Development | April 5, 2025 |
| Final Report Submission | April 10, 2025 |

## 7. KPIs (Key Performance Indicators)

• Bug detection rate: Track the number of defects found per test cycle.

• Test coverage percentage: Measure the percentage of features covered by tests.

• Response time for API requests: Ensure API calls meet performance benchmarks.

• Automation success rate: Percentage of passed automated test cases.