

1 Introduction

For this project, the team will utilize Unit Testing to verify that individual functions and classes work properly. To complete this, the process will be Requirement Analysis, Test Planning, Test Case Development, and Test Execution. The workflow will consist of developing code, writing tests for the code, and using continuous integration to trigger the tests. Agile methodology will be deployed throughout the project.

1.1 Scope

1.1.1 In-Scope

System Features In-Scope:

User Authentication, Product Management, Product Search and Comparison, Purchase and Checkout, and Order Management, as well as Performance, Safety, and Security

1.1.2 Out-of-Scope

System Features Out-of-Scope:

Additional user roles not specified, advanced security measures, user preferences, or any other feature not detailed

1.2 Quality Objective

The quality objective of our project is to ensure that the application meets both functional and non-functional requirements throughout testing; therefore, meeting quality specifications.

Testing Project Objectives:

- Verifying that the Application Under Test aligns with all functional and non-functional requirements outlined in the documentation
- Ensuring that the Application Under Test operates effectively
- Identifying and Resolving any issues that arise before deployment

1.3 Roles and Responsibilities

In the Testing Project, each team member has specific responsibilities to ensure success.

- QA Analyst
 - Responsible for designing, implementing, and executing test cases
 - Collaborates with developers to resolve issues and ensure quality
- Test Manager
 - Oversees the testing process
 - Develops test strategies to ensure coverage of all system functionalities
- Configuration Manager
 - Manages the configuration of the testing environment
 - Maintains version control and documentation to ensure consistency
- Developer
 - Responsible for designing, developing, and maintaining the software application
 - Ensure code quality through testing, reviews, and addressing feedback

Name	Net ID	GitHub username	Role
Matt Brownlee	mmb905	Casino222	Developer
Andrei Roskelley	ar2888	andreiroskelley	Configuration Manager
Jerry Acheampong	jjo110	10-jerry	QA Analyst
Guled Liban	gal151	GuledKING	Test Manager