
Group 109

USCoffee
<Iteration/ Master> Test Plan
Version <1.0>

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Revision History

Date	Version	Description	Author
16/08/2023	1.0	First version of Test plan document	Group 109

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1. Introduction

1.1 Purpose

Objectives: The main purpose of this document is to define the testing strategy, methods, and approaches for a specific project or product. It ensures that all testing aspects are precisely defined, well-understood, and effectively communicated to the project team

Content: This document presents a thorough outline of the testing procedure, encompassing the scope, goals, resources, timeline, testing environments, test cases, and risk management. It acts as a manual for the testing team to carry out their responsibilities in a methodical and efficient manner.

Users: Developers, testers, project managers—anyone involved in the project's testing.

Key features:

- **Test Environment:** Specifies the hardware, software, and network configurations required for testing, ensuring a consistent and controlled testing environment.
- **Test Cases:** Provides detailed test cases, scenarios, and expected outcomes to guide testers during the execution phase.
- **Roles and Responsibilities:** Clearly defines the responsibilities of each team member involved in testing, ensuring accountability.
- **Creating Test Schedule:** Establish a timeline for each testing phase, from test planning to execution and reporting. This helps in managing time effectively and meeting project deadlines.
- **Allocating Resources:** Clearly state the resources required for testing, including human resources, testing environments, hardware, software, and tools. This aids in preventing resource-related bottlenecks..
- **Defining Testing Scope and Objectives:** Clearly delineate what will be subjected to testing and articulate the specific goals that testing aims to achieve. This ensures alignment between testing efforts and project objectives.

2. Target Test Items

Testing software items:

- Add products to catalog:
 - o Testing cases that the adding process is invalid, and cases that is valid, after that, check if that product is added to database or not.
 - o Testing the response time of back-end
- Delete products from catalog:
 - o After deleting a product, it should be removed from the database and catalog on front-end.
 - o If we cancel the deleted process, those products should be still in the database and catalog.
- Update products.
 - o Change a property of a product, if you just delete and do not edit a new information, it cannot be saved. After updating, the products with new information should appear on the catalog.
- Add products to cart.
 - o Testing cases of adding products to cart, after adding, there's a number next to the cart icon represent for the number of products in the cart now.
- Create/edit categories.

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- Creating a new category of products, editing categories

3. Environmental Needs

3.1 Hardware Requirements

- A standard desktop computer, laptop, or even a tablet or smartphone with at least 4 GB of RAM is recommended for smooth testing.
- Test across common resolutions, including 1366x768, 1920x1080, and 1440x900.
- Require internet connection.
- For PC
 - CPU intel i3 or later
 - GPU: Intel HD Graphics, intel UHD Graphics, AMD Radeons Graphics, NVIDIA GeForce GT 1030, NVIDIA GeForce MX150, ...
- For Smartphone, table:
 - CPU: Snapdragon, Apple A-Series, Exynos, ...

3.2 Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

Software Name	Purpose	Version	Type and Other Notes
Microsoft Edge	Running website for testing	115.0.1901.203	Internet Browser
Windows 10, 64 bits	OS of device, guaranteeing support and efficient operation on devices possessing constrained resources	22H2	Operating System

3.3 Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Defect Tracking	MS Excel 2019	MS	2019
Write test plan	MS Word 2019	MS	2019
Showing Bug, fixing	VSCode	MS	2019
Sharing documents	Drive	Google	

4. Responsibilities, Staffing, and Training Needs

4.1 People and Roles

This table shows the staffing assumptions for the test effort.

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments

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Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	1 – Nguyễn Đắc Khôi	Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> • planning and logistics • agree mission • identify motivators • acquire appropriate resources • present management reporting • advocate the interests of test • evaluate effectiveness of test effort
Tester	4 - Nguyễn Hoàng Đức Nguyên - Dương Phước Sang - Trần Văn Quyết - Nguyễn Đắc Khôi	Implements and executes the tests. Responsibilities include: <ul style="list-style-type: none"> • implement tests and test suites • execute test suites • log results • analyze and recover from test failures • document incidents