
MadeinFit

Fitment
<Iteration/Master> Test Plan

Version <1.0>

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Revision History

Date	Version	Description	Author
09/01/2024	1.0	Write Introduction	Tran Bao Ngoc
09/01/2024	1.0	Write Target test items	Le Van Duong
09/01/2024	1.0	Write Environmental needs	Vu Minh Triet
09/01/2024	1.0	Write Responsibilities, staffing & training needs	Nguyen Phuoc Thinh

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Test Plan

1. Introduction

1.1 Purpose

The purpose of test documentation is to offer in-depth insights into the test plan, including its scope, scenarios, resources, schedule, and criteria for evaluating test results. This documentation ensures the efficiency of the testing process and determines whether the website meets the quality standards before launching.

Intended Audience:

- Development team members, including developers, testers, and quality assurance personnel.
- Project manager responsible for overseeing the website's development and launch.
- Stakeholders involved in the project's execution, including clients or external parties invested in the website's success.

Objectives of this document:

- Define the scope and strategies for testing the e-commerce platform thoroughly.
- Establish clear goals and benchmarks for evaluating the website's functionality.
- Identify the resources, schedules, and methodologies required for effective testing.
- Provide a structured approach to manage risks, assumptions, and error handling during the testing phase.

Key features of this document:

- Objective Setting: Clearly defines the goals and purposes of the testing process.
- Scope Definition: Establishes the boundaries of testing, specifying which areas of the website will be tested.
- Test Strategy: Outlines the methodologies, techniques, and levels of testing to be employed.
- Resource Allocation: Details the human, technical, and physical resources necessary for testing.
- Schedule: Provides a structured timeline for the various testing phases.
- Risk Assessment: Identifies potential risks that could impact the testing process and outlines assumptions made during planning.
- Test Environment Description: Details the hardware, software, and configurations required for testing.
- Test Cases and Error Management: Specifies the specific tests to be conducted and how defects will be reported, tracked, and resolved during testing.

2. Target Test Items

- Log In / Sign Up.
- Search products.
- Add to cart (Customer).
- Manage products (Admin).
- Manage orders (Admin, Customer).

3. Environmental Needs

3.1 Hardware Requirements

Hardware requirements of testing are outlined below:

- No specific hardware required, like simulators, static generators,...
- Laptop or PC with any size of RAM, hard disk for server testing.
- Wide range of data variation (data collections of at least 20) must be provided.

3.2 Software in the Test Environment

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

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Software Name	Purpose	Version	Type and Other Notes
Firefox	For testing cross-browser compatibility	121.0	Internet Browser
Google Chrome		120.0.6099.129	
Microsoft Edge		120.0.2210.91	
Windows 10	Testing on Windows, which is an operating system that has most users, for ensuring software compatibility. Also, Windows is the Fitment development team choice in the developing phase.	22H2	Operating System
Windows 11		22H2	
Debian Linux	Checking website compatibility across operating systems	Debian 12.4	
macOS Monterey	Checking website compatibility across operating systems	12.7.2	

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 365	MS	2023
API Testing	Postman	Postman Inc	2023
Launching development local server	Live Server	Ritwick Dey	2022
Database	MongoDB Compass	MongoDB	2023

4. Responsibilities, Staffing, and Training Needs

4.1 People and Roles

This table shows the staffing assumptions for the test effort.

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Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	Nguyen Phuoc Thinh	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	Le Van Duong Nguyen Huu Khanh Vu Minh Triet	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
Test System Administrator	Tran Bao Ngoc	Ensures the test environment and assets are managed and maintained. Responsibilities include: <ul style="list-style-type: none"> • administer test management system • install and support access to, and recovery of, test environment configurations and test labs