CaRe
<Iteration/ Master> Test Plan

Version 1.0

Revision History

Date	Version	Description	Author
16/12/2023	1.0	Initial version	Triệu Nhật Minh

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<Iteration/ Master> Test Plan

1. Introduction

This document is used for constructing a test plan which helps check validity and detect defects in software products.

The objectives of this document are:

- Listing the features of the software to test. There are 2 general fields to test: functionality and usability.
- Identifying specific hardware and software requirements in the test environment.
- Identifying the roles and responsibilities of members related to the testing process.

This document is necessary for:

- Developers
- Testers
- Team leaders
- Product owners (stakeholders)

The key elements of this document include **testing strategy** and **the allocation of resources.**

2. Target Test Items

No	Features
1	Create account
2	Login
3	Find coffee shops
4	Edit general information
5	[User] Save favorite shops
6	[User] Booking tables
7	[User] Manage orders (watch order detail, cancel order)
8	[User] Rate and add comment after booking
9	[User] View the list of review
10	[User] Can report shops to admin
11	[User] Filter coffee shop
12	[Shop] Manager orders (reject, approve, watch details, comments)
13	[Shop] Edit shop information (opening hours, number of tables, type of tables, menu etc.)
14	[Shop] Can report users to admin

3. Environmental Needs

3.1 Hardware Requirements

Any devices that have access to the internet and use a web browser installed. This includes, but not limited to, PCs, smartphones, and so on.

1. For PCs:
    a. Operating system: Windows 10 or later, Ubuntu 22.04 LTS or later, macOS 12 or later.
    b. Up-to-date web browser.
    c. 8 GB of RAM or more.
    d. Mouse or other pointing devices.
2. For mobile devices:
    a. Operating system: iOS 12 or later, Android 12 or later.
    b. Up-to-date web browser.
    c. 2 GB of RAM or more.

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
Windows 10, 64 bit	Checking application's performance and user interaction on operating system of Microsoft.	23H2	Operating System
Windows 11, 64 bit	Checking application's performance and user interaction on operating system of Microsoft.	23H2	Operating System
Ubuntu 22.04, 64 bit	Checking application's performance and user interaction on the Linux kernel operating system.	22.04 LTS	Operating System
macOS Monterey	Checking application's performance and user interaction on operating system of Apple.	12.4	Operating System
Microsoft Edge	Checking application's performance, user interaction, debugging (if needed) and compatibility among different Chromium-based browsers.	120.0.2210.61	Internet Browser on Windows
Google Chrome	Checking application's performance, user interaction, debugging (if needed) and compatibility among different Chromium-based browsers.	120.0.6099.110	Internet Browser on Windows
Firefox	Checking application's performance, user interaction, debugging (if needed) and compatibility among different browsers.	119.0.1	Internet Browser on Ubuntu

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
Test report	Google Spreadsheet	Google	Online
Test case description	Google Spreadsheet	Google	Online
Automation testing	Katalon Studio	Katalon	9.1.0
Checklist	MS Excel	Microsoft	2311

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**
Test Manager	1 Bùi Đỗ Duy Quân	Provides management oversight. Responsibilities include: ● 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 Triệu Nhật Minh Hoàng Đức Việt Võ Minh Anh Thư Lê Vũ Ngân Trúc	Implements and executes the tests. Responsibilities include: ● implement tests and test suites ● execute test suites ● log results ● analyze and recover from test failures ● document incidents
Test System Administrator	1 Bùi Đỗ Duy Quân	Ensures the test environment and assets are managed and maintained. Responsibilities include: ● administer test management system ● install and support access to, and recovery of, test environment configurations and test labs