**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**

# 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.**

# 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 |

# Environmental Needs

## 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:
   1. Operating system: Windows 10 or later, Ubuntu 22.04 LTS or later, macOS 12 or later.
   2. Up-to-date web browser.
   3. 8 GB of RAM or more.
   4. Mouse or other pointing devices.
2. For mobile devices:
   1. Operating system: iOS 12 or later, Android 12 or later.
   2. Up-to-date web browser.
   3. 2 GB of RAM or more.

## 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 |

## 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 |

# Responsibilities, Staffing, and Training Needs

## 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 |