**KoolB**

Master Test Plan

Version 1.0

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 08/01/2022 | 1.0 | Initial Release – Prototype Test Plan | Le Pham Nhat Quynh |
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**Master Test Plan**

# Introduction

## Purpose

The goal of the Master Test Plan is to gather all the data required for organizing and managing the testing effort throughout the whole development process. It provides an overview of the methodology for software testing and is the high-level strategy created and utilized by managers to guide the test effort.

This *Test Plan* document for the KooLB supports the following objectives:

* Performance testing of general user journey operation, system operation performance and database connection on varied devices and platforms.
* List the recommended test requirements.
* Recommend and describe the testing strategies to be employed.
* Identify the required resources and provide an estimate of the test efforts.
* List the deliverable elements of the test activities.
* Intended audience: Project Manager, Project Developer, Testing Team (Tester, Test System Administrator, Test Designer, Test Manager)

This *Test plan* includes Target Test Items at Section 2; Software, Hardware Environment Requirement and Supporting Tools at Section 3, and Overview of Human resources for Testing process at Section 4.

# Target Test Items

* Create accommodation
* Performance: image quality, processing time
* Feature usability: Post room, configure information, uploading image
* Search engine
* Performance: compatibility of result, processing time,
* Feature usability: configure information, sorting, filtering
* Booking
* Performance: processing speed, syncing operation
* Feature usability: pop-up chat notification, updating reservation list
* Chat
* Performance: message sending and receiving speed
* Feature usability: create new chat, sending image.

# Environmental Needs

## Hardware Requirements

| **Hardware Name** | **Purpose** | **Version** | **Type and Other Notes** |
| --- | --- | --- | --- |
| Samsung Galaxy S9 | Performance on android mobile environment. |  | Android Device |
| Iphone XS Max | Performance on iOS mobile environment |  | iOS Device |
| Thinkpad T14 Gen 3 2022 | Performance on Window. |  | Window OS Device |
| Macbook Pro 2022 | Performance on MacOS. |  | MacOS Device |

## 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** |
| --- | --- | --- | --- |
| Chrome | Performance on website |  | Internet Browser |
| iOS 16 | Performance on iOS mobile Application |  | Operating System |
| Windows 10, 64 bit | Performance on Window Desktop Application |  | Operating System |
| Mac OS Monterey 12.6 | Performance on MacOS Desktop Application |  | Operating System |

## 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 2010 | MS | 2010 |

# 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 | Le Pham Nhat Quynh | Provides management oversight  Responsibilities:   * Provide technical direction * Acquire appropriate resources * Management reporting |
| Tester | Bui Le Gia Cat  Truong Thuy Tuong Vy | Executes the tests  Responsibilities:   * Execute tests * Log results * Recover from errors * Document defects |
| Test System Administrator | Nguyen Ha Ngoc Linh  Le Gia Khanh | 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 |
| Test Designer | Truong Thuy Tuong Vy | Identifies, prioritizes, and implements test cases  Responsibilities:   * Generate test plan * Generate Test Suite * Evaluate effectiveness of test effort |