# BTree

# BeeKey
# Master Test Plan

**Version <1.0>**

# Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 22/08/2021 | <1.0> | Fill-in all detail: Purpose, target, hardware, software, support tools, testing resources | Đỗ Vương Phúc |
| | | | |

# Table of Contents


1. Introduction 4
   - 1.1 Purpose 4
2. Target Test Items 4
3. Environmental Needs 4
   - 3.1 Hardware Requirements 4
   - 3.2 Software in the Test Environment 4
   - 3.3 Productivity and Support Tools 4
4. Responsibilities, Staffing, and Training Needs 4
   - 4.1 People and Roles 4

# Master Test Plan

## 1. Introduction

### 1.1 Purpose

This test plan document is to provide the target of the testing phase. It describes the target of the test item (such as performance, security, etc). In addition, the hardwares and softwares which are used to test will be included. The document can be used by the tester, test manager and developer.

## 2. Target Test Items

The BeeKey application is a freelancer application. We select three main features to test:

- Post a new request
- Search for a new tasks
- View the list of task and request

To provide a good experience for users, the areas to test are: functional testing, compatibility testing.

## 3. Environmental Needs

### 3.1 Hardware Requirements

- Device 1: OPPO Reno 5
    - Screen size: 1080 x 2400 pixel FHD (6.43 inch)
    - RAM: 8GB
    - CPU: Snapdragon 720G octa-core
    - Android version: Android R (version 11 API 28)
- Device 2: Google Pixel 5
    - Screen size: 1080 x 2340 pixel (6 inch)
    - RAM: 8GB
    - CPU: Snapdragon 765G octa-core
    - Android version: Android R (version 11 API 28)
- Device 3: Samsung A50
    - Screen size: 1080 x 2340 pixel (6.4 inch)
    - RAM: 4GB
    - CPU: Exynos 9610 octa-core
    - Android version: Android Pie (version 9 API 28)

### 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 |
| --- | --- | --- | --- |
| Postman | API Testing | 8 or higher | None |
| Thunder Client | API Testing | 1.9.0 or higher | None |
| Android Studio | Run application while testing | 2020.3.1 or higher | None |

### 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 | Google Sheet | Google | Latest |
| Test plan specification | Google Docs | Google | Latest |

# 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 | Đỗ Vương Phúc | Provides management oversight.<br>Responsibilities include:<br>● planning and logistics<br>● agree mission<br>● identify motivators<br>● acquire appropriate resources<br>● present management reporting<br>● advocate the interests of test<br>● evaluate effectiveness of test effort |
| Tester | Hoàng Như Thanh<br>Bùi Đăng Khoa<br>Chung Kim Khánh | Implements and executes the tests.<br>Responsibilities include:<br>● implement tests and test suites<br>● execute test suites<br>● log results<br>● analyze and recover from test failures<br>● document incidents |