**Music Player**

Test Plan

Version 1.0

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 12/08/2022 | 1.0 | Initial version | Trương Samuel Minh Phúc |

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**Test Plan**

# Introduction

## Purpose

This document provides a test plan of the application, using various inputs to test the system.

# Target Test Items

| **Features** | **Area** |
| --- | --- |
| Searching | Functional testing |
| Create/Remove playlist | Functional testing |
| Music function button | Functional testing |

# Environmental Needs

## Hardware Requirements

| **Hardware Name** | **Purpose** | **Alternative device** |
| --- | --- | --- |
| PC/ laptop Windows 10 64bit | For set-up server, testing server. |  |
| Android mobile phone | Testing application and its main features. | Android emulator (Bluestack) |

## 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** |
| --- | --- | --- | --- |
| MySQL Workbench | Hosting SQL data server | Newest | Database environment |
| Google Cloud | Hosting mp3 file | Newest | Cloud Storage |
| BlueStack | Running Expo | 5 | Android Emulator |

## 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 Sheets | Google | Newest |

# 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 | Trương Samuel | 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 | Phạm Ngọc Anh Thư Trần Hồng Minh Phúc Trần Thiện Tiến Trương Samuel | 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 |