**SpUStify**

<Iteration/ Master> Test Plan

Version 1.0

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 10/08/2023 | 1.0 | Initial version | Dương Trường Bình |
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**<Iteration/ Master> Test Plan**

# Introduction

## Purpose

This document is mainly about constructing a complete test plan for checking the validity and finding defects in the software.

Document objectives:

* Identify the software features for testing. Furthermore, there are 2 priority areas to test: functionality and usability.
* Specify the hardware requirements and the software in the test environment.
* Specify the human and technical resources required for testing, along with their roles and responsibilities.

Intended audience: Developers, testers, team leaders, and product owners (stakeholders).

Document’s key features: Testing plan and resource allocation.

# Target Test Items

| **No** | **Features** |
| --- | --- |
| 1 | Play a song/ playlist |
| 2 | Upload a song/ playlist |
| 3 | Download a song/ playlist |
| 4 | Edit a song |
| 5 | Create a playlist |
| 6 | Edit playlist |
| 7 | Favorite songs /playlists |
| 8 | History songs/playlists |
| 9 | Leaderboard |
| 10 | Search songs/playlists/artist based on keyword |

Area to test: functionality, usability

# 

# Environmental Needs

## Hardware Requirements

Any devices that have access to the internet and use a web browser

## 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** |
| --- | --- | --- | --- |
| Google Chrome | Ensure compatibility, performance, debugging, and user experience across different browsers | 115.0.5790.173 | Internet Browser |
| Microsoft Edge | Ensure compatibility, performance, debugging, and user experience across different browsers | 115.0.1901.203 | Internet Browser |
| Windows 10, 64-bit | Ensure its functionality, performance, and user experience on a widely used operating system of Microsoft | 22H2 | Operating System |
| Windows 11, 64 bit | Ensure its functionality, performance, and user experience on a newest operating system of Microsoft | 22H2 | Operating System |
| macOS Monterey | Ensure its functionality, performance, and user experience on an operating system of Apple Inc | 12.5 | 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** |
| --- | --- | --- | --- |
| Test report | Google Sheet | Google |  |
| Test case description | Google Sheet | Google |  |

# 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 |  | Provides management oversight.  Responsibilities include:   * planning and logistics * agreeing on the mission * identifying motivators * acquiring appropriate resources * presenting management reporting * evaluating the effectiveness of the test effort |
| Tester |  | 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 |