**Sportifry**

Test Plan

Version <1.0>

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 10/12/2021 | 1.0 | Define target, test environment, test technique, and role | Trần Nguyên Trung |
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**Test Plan**

# Introduction

## Purpose

This document describes the plan for testing the website **Sportifry**. This Test Plan document supports the following objectives:

● Identify existing project information and the software that should be tested.

● 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.

# Target Test Items

* Login
* Sign up
* Chat box
* Search song
* Todolist: read, create, edit, remove
* Comment
* Log out
* Play song
* Playlist: remove, add
* Manage: remove song, remove account, add song

# Environmental Needs

* The listing below identifies those items (use cases, functional requirements, non-functional requirements) that have been identified as targets for testing. This list represents what will be tested.

## Hardware Requirements

* Any device has an operating system that can run Node JS
* Stable internet connection (LAN, WIFI, 4G,...)

## 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 | Testing website, check UI, bug | 96.0.4664.110 | Internet Browser |
| Windows 10, 64bit | Run application for checking website | 21H2 | Operating System |
| Windows 11, 64 bit | Run application for checking website | 21H2 | Operating System |
| Katalon | Software for checking website automatically | 8.2.0 | Software |
| Chromium | Spy web utility with Katalon, testing website, check UI, bug | 96.0.4664.110 | Software |

## 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 | Excel | MS | 365 |
| Defect Tracking | Word | MS | 365 |
| Upload task for test plan | Trello | Trello | 2021 |

# 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 | Nguyễn Trọng Nhân | 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 | Trần Khả Trí  Trần Nguyên Trung  Trần Vĩnh Phát  Vũ Đức Quang Huy | 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 |  | 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 |