**System Test Plan**

**For**

**Spotify Web Application**

**(Together Now)**

By: Jeremy Hunat

Table of Contents

[1. Introduction 2](#_Toc225217702)

[1.1 Purpose 2](#_Toc225217703)

[1.2 Objectives 2](#_Toc225217704)

[2. Functional Scope 2](#_Toc225217705)

[3. Overall Strategy and Approach 2](#_Toc225217706)

[3.1 Testing Strategy 2](#_Toc225217707)

[3.2 Testing Types 2](#_Toc225217709)

[3.3 Suspension Criteria and Resumption Requirements 3](#_Toc225217710)

[3.4 Test Data 3](#_Toc225217711)

[4. Execution Plan 3](#_Toc225217712)

[4.1 Execution Plan 3](#_Toc225217713)

[5. Defect Reporting 3](#_Toc225217714)

[5.1 Defect Tracking 3](#_Toc225217715)

[5.2 Defect Reporting and Reports 3](#_Toc225217716)

[5.3 Defect Management Process 4](#_Toc225217717)

[5.4 Defect Severity Definitions 4](#_Toc225217718)

[6. Environment 4](#_Toc225217719)

[6.1 Environment 4](#_Toc225217720)

# Introduction

## Purpose

The purpose of this document is to highlight how our team will conduct testing on our product to ensure that the end result should be working as intended.

## Objectives

* Meets the specified criteria and requirements.
* Ensure that the end product satisfies the client’s needs.

# Functional Scope

Our teams will test for any bugs that occur when interacting with the API’s and see if the data received by the users will be correct.

# Overall Strategy and Approach

## Testing Strategy

Our team will incrementally focus on one major feature and thoroughly test it before giving it to our beta testers. Any issues found from our team or our beta testers will be the priority and will be attempted to be resolved until the issue no longer occurs.

## Testing Types

### Usability Testing

The Usability Testing ensures that User Interface will be in top shape and should behave as they are expected to be.

### Functional Testing

The objective of this testing is to ensure that any of the functionalities of the web application behave as the are expected to be. Testing whether any of data requested from the API will be given correctly.

## Suspension Criteria and Resumption Requirements

### Suspension Criteria

Testing will be suspended if there are any incidents found of security issues or holes. Any form of testing will be suspended until the security issues is resolved.

### Resumption Requirements

Testing will only resume once the security issue is fixed.

## Execution Plan

The execution plan will detail the test cases to be executed. The Execution plan will be put together to ensure that all the requirements are covered. The execution plan will be designed to accommodate some changes if necessary, if testing is incomplete on any day. All the test cases of the projects under test in this release are arranged in a logical order depending upon their inter dependency.

# Defect Reporting

## Defect Tracking

A protype of the web application will be given to a couple of beta testers who will thoroughly test out the system and attempt to break it. Any issues that they’ve encountered will be taken into account.

## Defect Reporting and Reports

After the issues are encountered by our beta testers our team will put the issue on the agenda and try to resolve the issue. Once a patch has been applied, it’ll go through again to our beta testers and see if the issue is resolved.

## Defect Management Process

Our team will iteratively test and fix each issue until it is resolved.

## Defect Severity Definitions

|  |  |
| --- | --- |
| **Critical** | Any issues encountered that can result in catastrophic failure of the system. Failures such as the web application crashing or if something breaks beyond repair when testing. |
| **Medium** | Whenever an issue found causes mild to major errors in the system. Issues such as data returned from the database is incorrect or data is not being sent between either the server, the API or the database. |
| **Low** | Any issues encountered that can cause mild annoyances to the user. Issues such as a graphical bug or element misalignments. |

# Environment

## Environment

* Visual Studio Code Debugging Tool
* Firebase Console

# 