

**TEST PLAN**

**Project Name: Melodify Website**

### 

### 

**Created By: Shubham Yetonde**

**Date: November 12, 2024**

### 

**TABLE OF CONTENTS**

| **Sr.No.** | **Contents** | **Page No.** |
| --- | --- | --- |
| **1** | **Introduction** |  |
| **2** | **Objectives** |  |
| **3** | **Scope** |  |
| **4** | **Testable Features** |  |
| **5** | **Testing Approach** |  |
| **6** | **Testing Environment** |  |
| **7** | **Roles/Responsibility** |  |
| **8** | **Test Schedule** |  |
| **9** | **Test Deliverables** |  |
| **10** | **Entry and Exit Criteria** |  |
| **11** | **Tools** |  |
| **12** | **Risk and Mitigation** |  |
| **13** | **Approvals** |  |

### 

**1. Introduction**

* Melodify is a web-based platform for streaming or browsing music. It involves user account functionalities, song searches, playlists, and interactive features. This test plan covers the primary testing approaches to ensure the application is user-friendly, reliable, and secure.
* **URL:-** <https://uber-unicorns073-melodify.netlify.app>

**2. Objectives**

* Ensure all main functions (browse, play, search) work seamlessly.
* Verify cross-device compatibility.
* Assess page load times and response times under varied user loads

**3. Scope**

This test plan covers:

* Functional Testing (Account creation, login, music browsing/streaming)
* UI/UX Testing (Interface consistency, responsive design)
* Performance Testing (Load time, resource handling)
* Compatibility Testing (Browser and device compatibility)

**4. Testable Features**

* Login page
* Forgot password
* Sign up
* Music Search & Browse
* Create a Playlist
* Home page

**5. Testing Approach**

Testing Types:

* Functional Testing
* UI/UX
* Compatibility Testing

**6. Testing Environment**

* **Devices**: Smartphones (, Android), desktops.
* **Browsers**: Chrome, Firefox, Safari, Edge.
* **Network Conditions**: 3G, 4G, 5G, WiFi

**7. Roles/Responsibility**

* **Test Lead**: Responsible for overseeing test execution and coordinating with the dev team.
* **Testers**: Execute tests, log bugs, and validate fixes

| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Shubham Yetonde | Test Engineer | * Understand customer requirements * Write Test Scenario & Test Cases * Executing the Test Cases. * Performing root cause analysis issues * Defect tracking and reporting |

**8. Testing Schedule**

Following is the test schedule planned for the project

| **Task** | **Time Duration** |
| --- | --- |
| Test plan creation | 12/11/2024 |
| Test Scenario Creation | 13/11/2024 |
| Test Case creation | 14/11/2024 |
| Test Bug Report | 15/11/2024 |
| Summary Report Submission | 16/11/2024 |

**9. Testing Deliverables**

| **Deliverables** | **Description** | **Responsible Owner** | **Target Completion Date** |
| --- | --- | --- | --- |
| Test plan Document | Outlines the testing approach, strategies, and scope for the Melodify Website | Cloud Catalysts\_055 | 12/11/2024 |
| Test Cases | Test cases Created for both functional testing & UI/UX testing Compatibility testing Usability Testing | Cloud Catalysts\_055  Cloud Catalysts\_055 | 13/11/2024 |
| Test Summary Report |  | Cloud Catalysts\_055 | 14/11/2024 |
| Bug Reports | A detailed description of the defects identified in different versions | Cloud Catalysts\_055 | 15/11/2024 |

**10. Entry and Exit Criteria**

### **Entry and Exit Criteria**

* **Entry**: All necessary test environments are set up, and the latest stable build is available.
* **Exit**: All high-priority test cases pass, with minor or no critical issues remaining

**11. Tools**

* Google Sheet
* Google Doc
* Zephyr- Test Management
* Jira - Project management too
* X mind map Tool

**12. Risk and Mitigation**

### **Risks and Mitigations:**

* **Risk**: High user load may affect performance.
* **Mitigation**: Monitor load testing and optimize the backend to handle peak times.

**12. Approvals**

* **Project Manager Approval:** Approve test plan and schedule.
* **QA Lead Approval:** Approve test cases and strategy.
* **Development Team Approval:** Confirm test environment readiness.
* **Client Approval:** Sign-off on test plan and schedule