Musicfy Project Plan Draft

Team Beta

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Date: 6/12/2025

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Introduction

Scope and purpose of document (LS)

This document outlines the project plan for the development of Musicfy, a music-sharing social media application. The purpose of this plan is to provide a clear view for this project, including its scope, objectives, and features. This document serves as a guide for the development team to ensure alignment with the project's goals. It also acts as a reference for the duration of time that this project will take to track progress, and manage any changes.

Overview:
Musicfy is a social music-sharing app that allows users to post their favourite songs or playlist from platforms like Spotify, Youtube, and Apple Music. Users can engage with each other's content by sharing, liking, disliking, and commenting. This app promotes music discovery and community interaction, offering an interactive experience that integrates with major music streaming services. Musicfy aims to become a hub for music lovers to connect, explore new tracks, and express their musical tastes.

System Scope

Problem/Opportunity Description (LS)

In today's digital age, music is more accessible than ever, yet the ability to share and discover music socially is still limited across most streaming platforms. While services like Spotify, Apple Music, and YouTube allow for playlist sharing, they lack a centralized space for meaningful interaction around music. Users often turn to multiple platforms or social media to post songs, but these methods don't offer focused engagement or community-based music discovery.

Musicfy addresses this gap by providing a dedicated social platform built specifically for sharing and interacting with music. The goal is to create an environment where users can post songs or playlists, express their opinions through likes/dislikes and comments, and easily share content with others all while integrating directly with major music services. This presents an opportunity to connect music enthusiasts in an engaging way, encouraging interaction and discovery beyond the limitations of current streaming apps.

Anticipated Business/Personal Benefits (LS)

By creating Musicfy, our team aims to establish a unique presence in the competitive landscape of music and social networking applications. The project provides an opportunity to demonstrate our technical skills in development, and user experience design. From a business standpoint, Musicfy has the potential to attract partnerships or monetization through platform referrals and premium features. It also serves as a portfolio-worthy achievement that can open doors to internships, jobs, or future entrepreneurial ventures in tech.

For users, Musicfy offers a fun and interactive way to share their musical tastes and discover new content in a socially engaging environment. Instead of relying on generic playlists or impersonal algorithm recommendations, users can explore music through their friends' posts, comments, and feedback. The seamless integration with popular streaming platforms ensures a smooth experience, while social features make music discovery more personal, communal, and enjoyable.

System Capabilities (LS)

List of major functions of the system. These are taken from the Project Proposal and expanded upon.

1. **Post Songs or Playlists**
   Users can create posts by sharing songs or playlists from Spotify, Apple Music, or YouTube. Each post may include a short caption or message to personalize the content.

2. **Like or Dislike Posts**
   Users can express their opinion on posts by liking or disliking them. This helps others see which music is popular or trending in the community.

3. **Comment on Posts**
   Users can leave comments on music posts to share their thoughts, give feedback, or start conversations about songs or artists.

4. **Share Posts with Other Users**
   Posts can be shared directly with other users on the platform. This makes it easy to recommend music to friends or specific groups.

5. **Delete Your Own Posts**
   Users have full control over their content and can delete any of their

posts at any time from their profile.

6. **Create and Manage Profile**
 Each user has a personal profile that shows their favorite songs, playlists, and genres. It also displays their posted content and activity.

7. **View a Music Feed (Timeline)**
 Users see a timeline or feed of posts shared by others. The feed encourages music discovery and interaction by showing what's currently being shared in the community.

8. **Search for Users or Music**
 A search function enables users to quickly and easily find friends, artists, songs, or playlists.

9. **Integration with Music Platforms**
 Musicfy connects with Spotify, Apple Music, and YouTube, allowing users to link songs or playlists without needing to upload files or leave the app.

10. **Notifications (Optional/Future Feature)**
 Users may receive notifications when someone likes, comments on, or shares their posts. This keeps users engaged and informed about activity on their content.

System Context

Musicfy interacts with three main entities:

- **Users**: Post, like/dislike, comment, and share songs/playlists; manage profiles.

- **Music Platforms (Spotify, YouTube, Apple Music)**: Musicfy fetches song/playlist data via API integration.

- **Notification System (Future Feature)**: Sends alerts for likes, comments, and shares.

Schedule

A Work Breakdown Structure (WBS) outlines project tasks, phases, dependencies, and assignments in MS Project/ProjectLibre.

Phases:

1. **Planning** – Requirements, tools, team roles

2. **Design** – UI/UX, system architecture, API planning

3. **Development** – Frontend, backend, integrations

4. **Testing** – Unit, integration, and user testing

5. **Deployment** – Bug fixes, launch, documentation

Staff Organization

Team Lead: Sammil Panda
 Members:

- Sammil: Backend, APIs

- Pariben: Frontend, UI/UX

- Luis: Planning, QA, Documentation

Tracking and control mechanisms

- **Weekly Meetings**: Progress check-ins and task updates

- **Tools Used**:

    - *Google Drive*: Document sharing

    - *Trello*: Task management

- *GitHub*: Communication

- **Change Management**: Tracked in a shared change log

- **Status Reports**: Bi-weekly progress summaries

These methods ensure coordination, timely updates, and issue resolution.