***Lyrical Loom* *Project Plan Draft***

Binary Bandits

Team Members: Hamdaan Malik, Thiago Schuck, Aryan Singh, Nicholas Effenberger

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# Introduction

## **Scope and purpose of document (A.S.)**

*In one paragraph, describe what is contained in this document and the general purpose of a Project Plan. In a separate paragraph, provide an overview of your application.*

*This document contains detailed descriptions of our project’s scope, schedule, staff organization, and how we keep track of everything. Our scope documents what our app will do, making it clear what features/functions need to be completed, and our schedule tells us when to complete them. Our staff organization and tracking mechanisms clarify our responsibilities and where/how to view them.*

*Our application will allow the user to listen to any song they choose at any time, review songs/albums, create personalized profiles, and communicate with others on the app. It will also give descriptions of artists and allow users to create custom playlists with or without the use of an algorithm.*

# System Scope

## **Problem/Opportunity Description**

*In 1-2 paragraphs, describe what the goal is of your project. What problem are you trying to solve or what opportunity are you trying to take advantage of?*

*The overall goal for this project is to develop an app that will give users(people) an alternative to music apps such as Spotify, Musi, etc. However, this app would be a lot more included and will have a social aspect for people that really love music and want to engage with other user and create mutual and close connections. Spotify isn’t an app where you can socialize with other people as it is a music app which personalizes with your standards and your choice of music. With Lyrical Loom, there will be more involved than what other apps have.*

## **Anticipated Business/Personal Benefits (N.E.)**

*Our primary goal with making Lyrical Loom is to make a place where people can listen to music. Lyrical Loom will also be a place where people can connect with each other and share their love of music.*

*Some of the benefits for our users is they have a place where they can stream their favorite music, create their own playlist, and see information about their favorite band or artist. Users will also be able to follow other users and share their favorite music, playlist, and their reviews and rating for songs and albums.*

## **System Capabilities**

*Functions for Lyrical Loom:*

* ***Music Streaming***
  + *Users would be able to access to a wide variety of at least 100 million songs and music from all types of genre*
  + *Users can favorite their music of choice into their own personalized library for easy access and later usages*
* ***Information on Artists and Bands***
  + *Upon listening to various music, users will be able to visualize a description of the artist or band that is playing a song*
  + *The description will contain info such as*
    - *Their music genre*
    - *Where they originated from*
    - *Description of music*
    - *Story of the band if they are part of a band*
    - *Number of listeners and followers*
    - *Reviews*
    - *Etc*
* ***Personal Profiles***
  + *Upon creating an account, users will have opportunities to create their own custom profile to display contents of their choice such as*
    - *Adding their top songs and/or albums that they enjoy listening to*
    - *Adding their favorite artist/band that they enjoy listening to*
    - *Adding personal reviews and ratings of different songs and albums*
    - *Personalize their choice of music genre that they enjoy listening to*
* ***Social Activities***
  + *Users will have the ability to add other users, such as friends and families, that may share similar interests and preferences in music*
  + *Users will be able to*
    - *Share any song of choice to other users*
    - *Directly share and copy someone else’ music playlist that catches their interest*
    - *Share reviews and ratings to others*
* ***Custom Playlists***
  + *Lyrical Loom can process data based on the user’s personal profiles and streaming history*
  + *Based on that data, the app will give playlists of songs that match the user’s listening preferences*
  + *The app will be able to generate playlists that will match a user’s mood*
  + *The app will combine the user’s preferences with other user preferences to make playlists of shared music taste*

## **System Context**

*Using Visio or draw.io, create a System Context Diagram which depicts the primary users of the system and the information exchanged between them.*

*Submit the System Context file as a separate file from your plan document*

# **Schedule**

*Using MS Project/Project Libre, create a Work Breakdown Structure Chart, identifying all tasks required to complete this team project, dependencies, and staff resources for each of the tasks. Include phases to group and organize your tasks and include milestones.*

*Submit the schedule file as a separate file from your plan document.*

# **Staff Organization**

*Our team leader is Hamdaan Malik. We are using Trello and Slack to communicate with each other and staying organized.*

# **Tracking and control mechanisms**

*Describe how you plan to track changes to this and techniques that you will use to monitor the progress of the various tasks. For example, do you have regular meetings, how do you use groupware to keep the documents in-synch and current, etc.?*

*We discuss what we worked on and what still needs to be completed each class and we have a shared google drive folder and GitHub repository to see the documents. We also communicate through slack on what we’re currently working on and set up goals on Trello to stay on schedule.*