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

Binary Bandits

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# **Introduction**

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

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 (T.S.)**

Our primary goal with making Lyrical Loom is to make a place where people can listen to music. This project will include the basic elements of every music streaming app like a large catalog of music to stream. It will also have features like showing extra information about songs and artists in the app to improve the user experience.

Unlike existing music apps, Lyrical Loom will also be a place where people can connect with each other and share their love of music. Lyrical Loom users can view and interact with other users much more than other music apps. They will be able to create a personal profile for others to see, share music preferences, and follow other users’ playlists.

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

The social features of this app will create more user engagement compared to conventional music streaming apps. This will make Lyrical Loom more attractive to advertisers who will get more returns by advertising on our app. Additionally, artists will be more willing to put their music on Lyrical Loom because the in-app artist information allows users to connect with artists more easily. As users will continuously spend time on our app, we will be generating revenue through a span of advertisements, which will pop up before and after a song is played. We will also have a subscription which will allow users to avoid the advertisements and give them early access to new releases.

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 (H.M.)**

* **Music Streaming**
  + Users would be able to access to a wide variety of songs and music from all genres
  + Users can favorite their music of choice into their own personalized library for easy access and later usage
* **Information on Artists/Bands**
  + When listening to music, users will be able to see a description of the artist/band that is playing the song
  + The description will contain info such as
    - Their music genre
    - Where they originated from
    - Description of music
    - Story of the band/artist
    - Number of listeners and followers
    - Reviews
* **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
  + “Listening parties”
* **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 (H.M.)**

SystemContextDiagram.pdf

# **Schedule (A.S.)**

ProjectSchedule.mpp

# **Staff Organization (T.S.)**

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

# **Tracking & control mechanisms (T.S.)**

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.

Lyrical Loom’s Motto: “Harmonizing Hearts, Connecting Souls – Lyrical Loom, Where Music Finds Its Community”