Front-end authors:

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2. Karl

Back-end authors:

1. Cloyd
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**Project Notes:**

Week 11 is the deadline along with the project folder and video demo.

**Notes from the professor:**

* You will ask the user to choose among several lists of title when clicked, it will play the song.

And so, we will need to implement a library that can stream music.

It can be local music file where it is stored into the DIR of the application.

Maybe we can allow the user to add their own music the app lib.

* The grade is based on the UI.
* The database is MySQL.

The DB is up to us to design.

Hosted on the localhost machine.

Use the JDBC Driver and add it to the library of the project folder

* It can be used to store the music path files or it can be about the user authentication.
* Much preferrable to use NetBeans IDE.
* Version control is done through GitHub

**Front-End Development**

We can take inspiration to the theme of Spotify where everything is colored in black monochrome scheme.

But we will just make it very simple. And more importantly, this is our **View**.

**Reconnaissance**

**Graphical user interface, application

Description automatically generated**

**Color Values:**  *IN RGB VALUES (r,g,b)*

Sidebar: rgb(0,0,0)

Main Content Area: rgb(25,27,27)

Play Area: rgb(24,24,24)

Some elements: rgb(255,255,255)

We will be simplifying the GUI where we will try to make it feasible for the time and skills we have. Please visit the wireframe.

UI is the user interaction where event handling takes place. And so, event handling classes are needed here.

**Back-end Development**

This is where our **Model** and **Controller** is.

We will be using a database in MySQL and its DBMS Server hosted on the local machine.

The controller handles the user request based on what event notified. This is for the playing, stopping, or pausing music.

Model is for handling the music file path where it tries to retrieve the DIR of the music files which should be try in playing audio.

It can also be used for user authentication. Still thinking about this.

Now, we just need to figure out how to play music. And have the file DIR stored in

our database.

Model is for handling the logic of data. User authentication, User verification, Storing music file paths, Getting music file paths, and making sure records are unique.

Will we be using BLOB to directly store the .mp3 binary files? I still don’t know how.

Will I be using AWS S3 Buckets to store directly the music files and retrieve them using MySQL Queries?