



# InstaMuzik

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**Bibek Subedi**

UCF Coding Bootcamp

## Overview

This application is targeted towards music hobbyist, producers, DJ and songwriters. The potential for anyone to make music is far easier in today's age than in the past because of the advancement of digital audio synthesis technology, which means that there is far more new music being released today than in the past. The primary goal is to create an application that allows users to collaborate with other users, share their music, and create their own personalized music hub for other people to explore. Also, another feature that will be available is that it will allow users to upload individual sample audio files (not tracks) and those files will be scanned for pitch/tonal detection so that when they need to use those audio files in upcoming projects it will save the user a considerable amount of time. The application will also be integrated with other major music hosting sites in order to showcase the projects that they have previously created.

## Technologies

1. React will serve as the view controller in the front end. It will be used to create a simple and intuitive design in order to make the application as user friendly as possible.
2. Express JS will be used as the back end server along with Node JS as the platform.
3. Mongoose JS will be used to model the user information along with the searches and saved music.



## Task Completion

1. 8/26: Setup the database configuration for user login and user file uploads.
2. Mongoose JS will be used to model the user information along with the relevant files related to the user.
3. 8/26: Setup the server along with all the required node modules using express.
4. 8/29: Create the algorithm to detect the global frequency for the uploaded audio files.
5. 9/2: Establish the front end UI/UX to connect it to the server side.