Motif: Elevate Your Notes

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Objective:

This app accomplishes note recognition. The app transposes music and write it down for users to understand.

Development Schedule:

Milestone	Time Allocated for Milestone in Weeks	Goal
Milstone A	1	Form a group
Milestone B	4	We will create a group project proposal in the form of a report.
Milestone C	2	Work on the group project presentation.
Milestone D	4	The group will implement any revisions or improvements as needed.
Milestone E	4	The group will work on the creation of the end of term report.
Milestone F	1	In this milestone, we will set up the group's github repository for the project.
Milestone G	1	out the coding structure we are, such as programming languages and libraries.
Milestone H	1-2	We will work to create a graphic interface for the user to navigate our application with.
Milestone I	8	Begin implementing functionality for the applications features.
Milestone J	2-4	We will be testing the application and will implement bug fixes should they be needed to.

Development Tools:

- IDE: Android Studio

Android Studio

- Frontend logic developed with Java

Java

- Backend developed with PHP and SQL

PHP   SQL

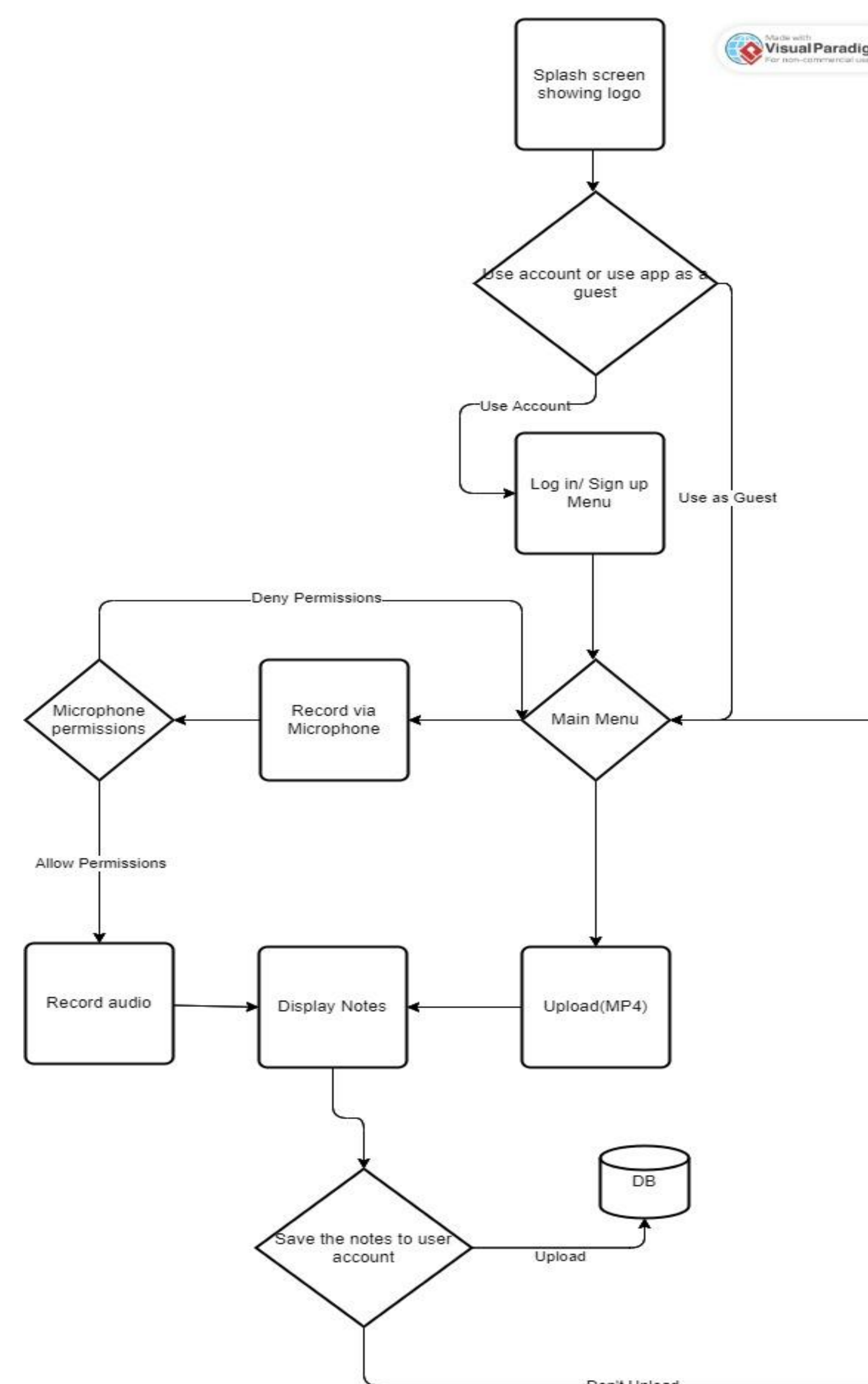- Project hosted on Github

GitHub

Motif summary of app:

The motif app is a music transposition app. It will allow the users to record music from instruments like a piano to help them in practicing music. The app will have a backend for user accounts, which will give them additional features.

Target market:

Music is universal and practiced by millions all across the world. The target market we are promoting to are people such as:

- Musicians in the music industry seeking useful applications to create and practice music..
- Music beginners that want to practice instruments such as the piano.
- Musicians that are looking for music transposition that will help you learn music.
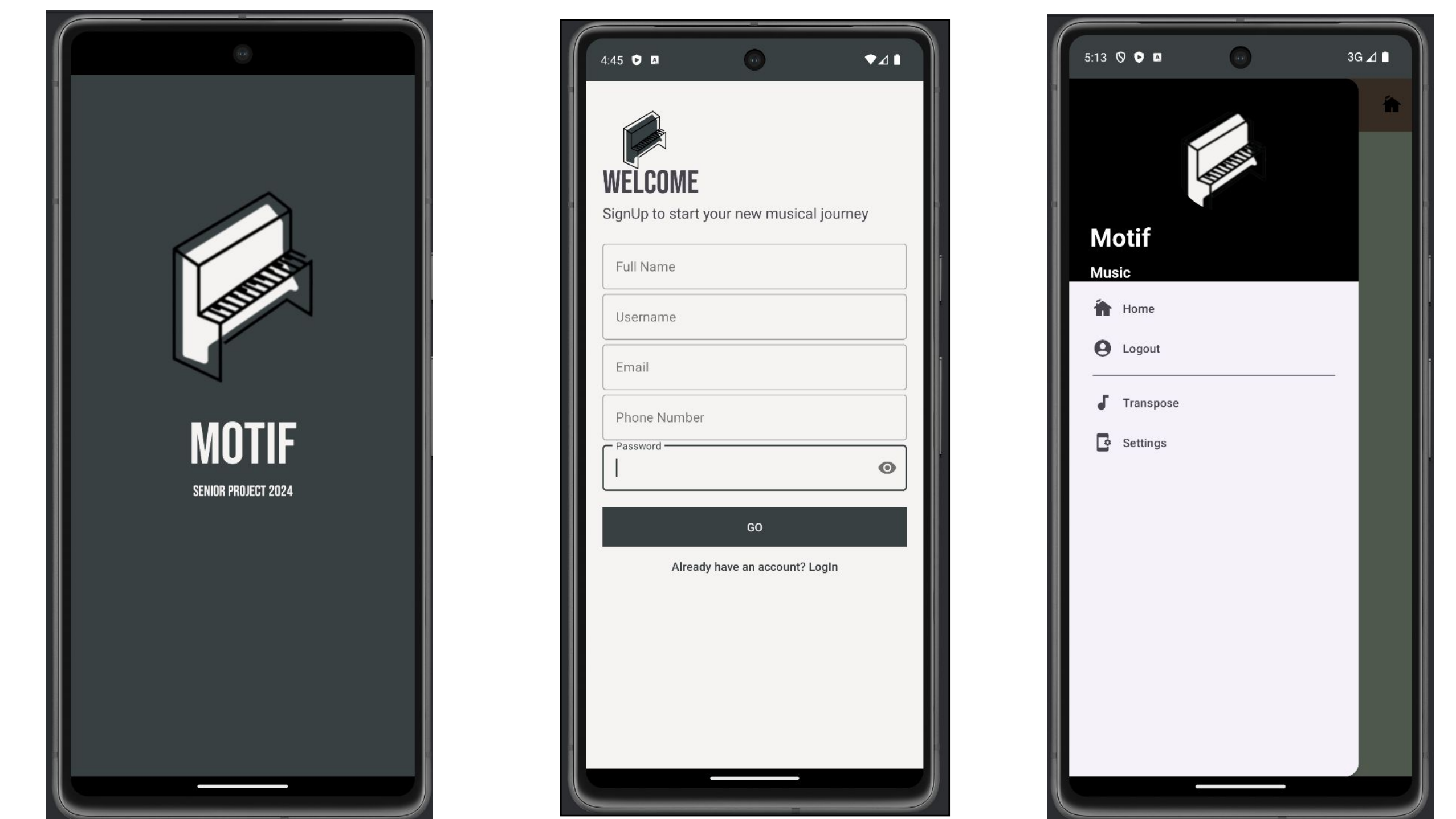- Those seeking to improve the quality of their music production.

Flow chart:

Motif Features:

Features of our app include:

- Special User account features
- Accessible UI
- Transposes Music Notes
- Save transposed notes to User account
- Can record and transpose via microphone or file input

User interface:

Accessibility:

- High Contrast Colors
- Simple UI Structure
- Easily Visible Text
- TalkBack functionality

Qualifications:

Noah	Isaiah	Nathan	Cecilio
• Experience with Android Studio • Experience with front-end coding • Experience in Java	• Proficient in Kotlin and Java programming languages • Experience with Android Studio, Android SDK, and Android Jetpack components • Strong understanding of software development lifecycle • Familiarity with RESTful APIs, JSON, and web services integration	• Experience with Java and Android Studio • Experience creating REST APIs • Proficient in MySQL and PHP	• Experience with Kolton and Java • Experience with Android Studio, Android SDK, and Android Jetpack components • Knowledgeable in music and music theory