Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

Course No: CSE2200

Course Title: Software Development III

Project Type: Music Player

Lab Section: A2

Group Number: 05

Group Members:

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Semester: 2.2

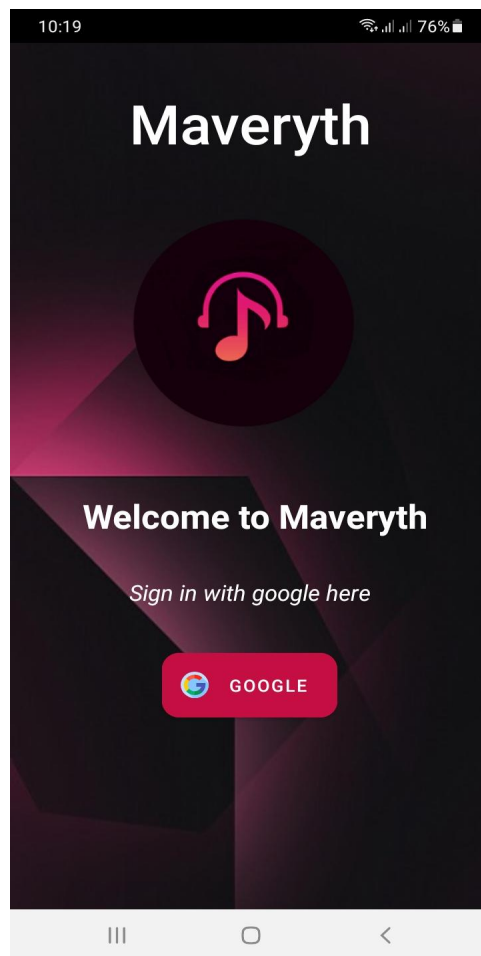# Project Name: Maveryth

Introduction:

This is a music player app, which will help one to play any kind of music, recordings and audio. Anyone can enjoy their favourite music at any time from this app.
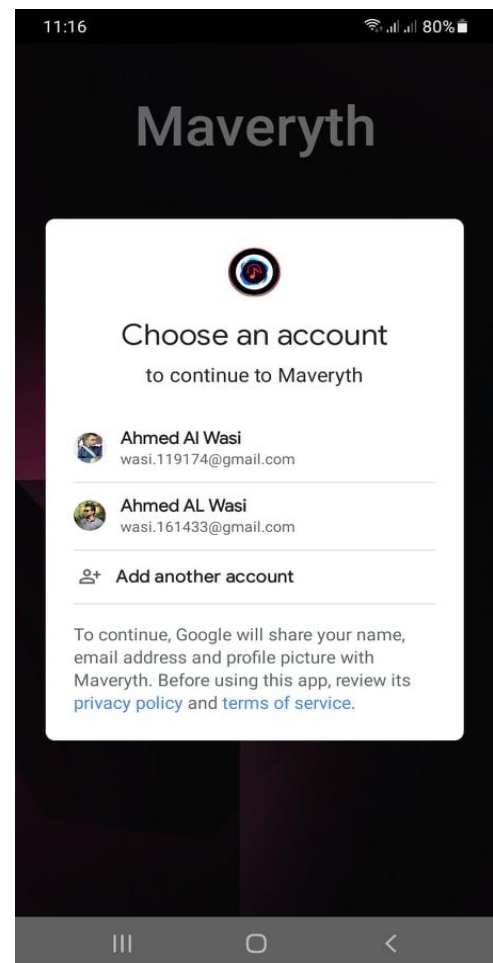
Motivation:

Anyone who loves to hear music, needs a music player app. By using this app we can play any kind of audio and mp3 recordings.It is needed in day to day life for the music lovers. So, we decided to develop a music player app by our own.
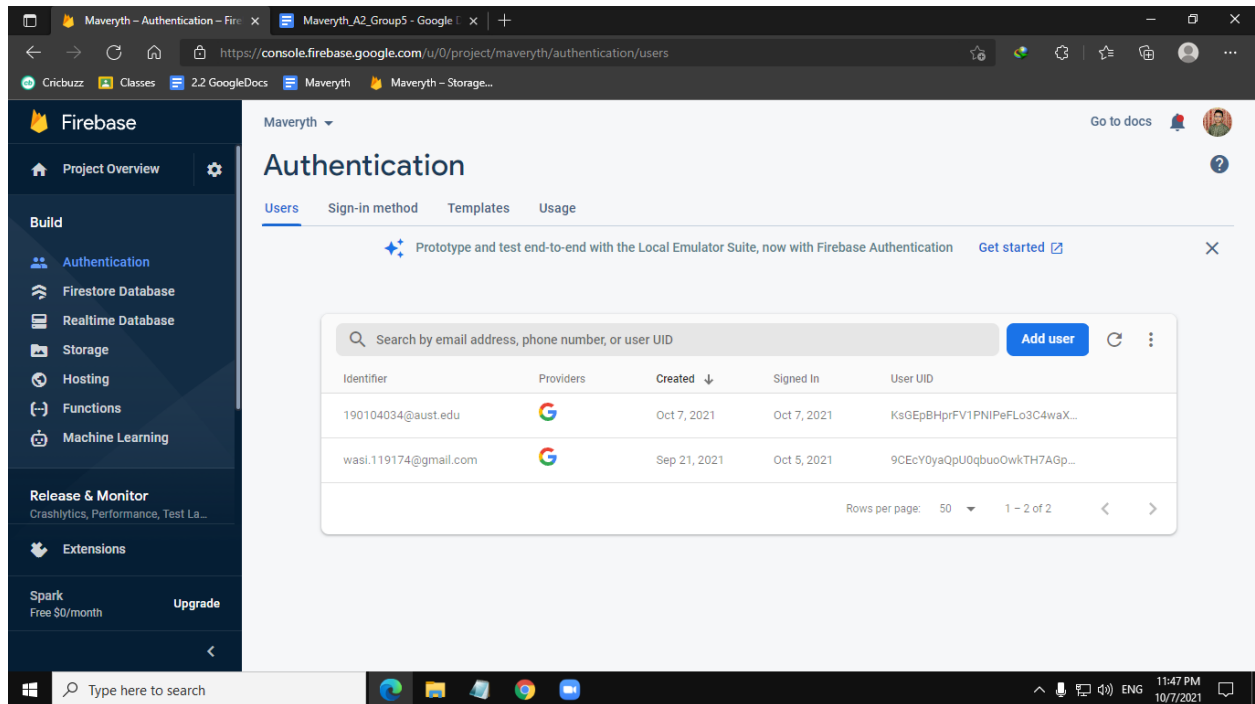
Feature's description with screenshot:

- **Sign in with google :** This is the starting page of our music player app.The user can sign in with their google account to enter into the app.
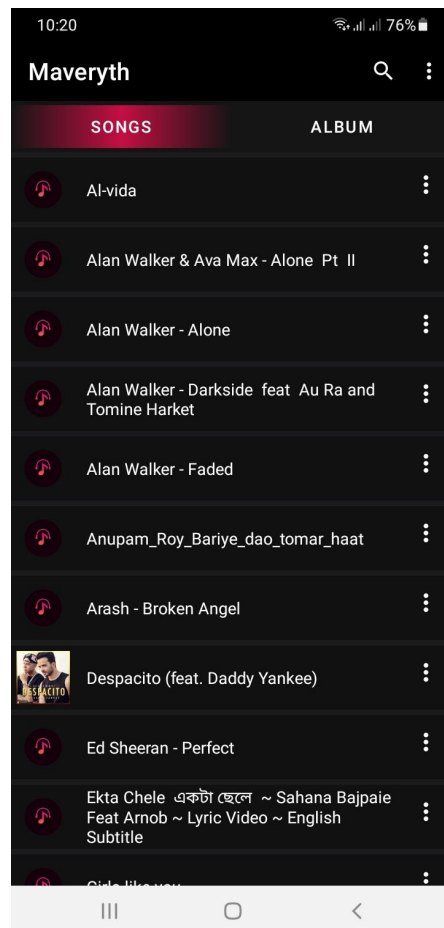

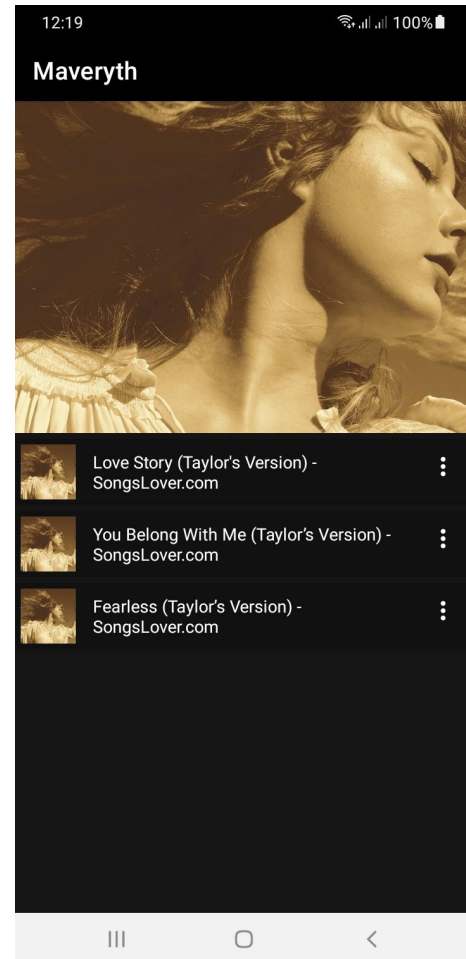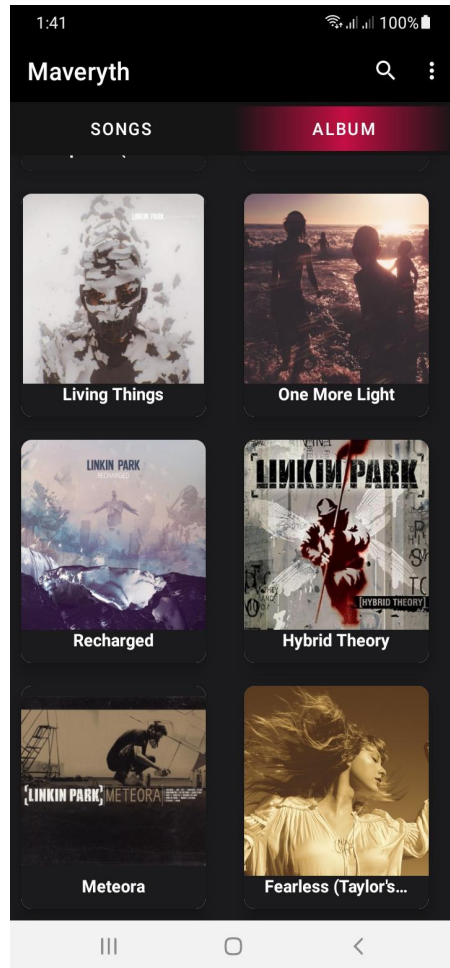*Google Sign In*

Select an account

Google signed accounts are stored into firebase

- **Song list:** After signing with google, users will be redirected to this home page. Here the list of songs will be displayed.
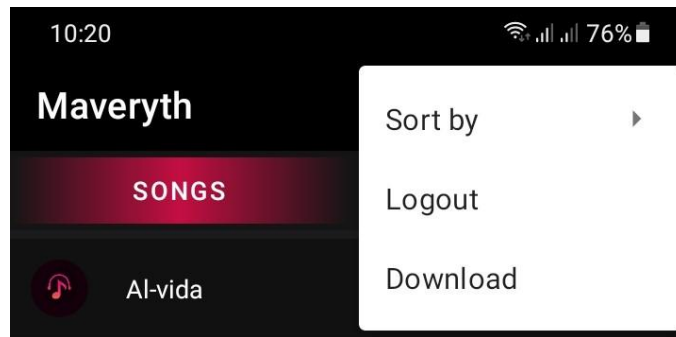
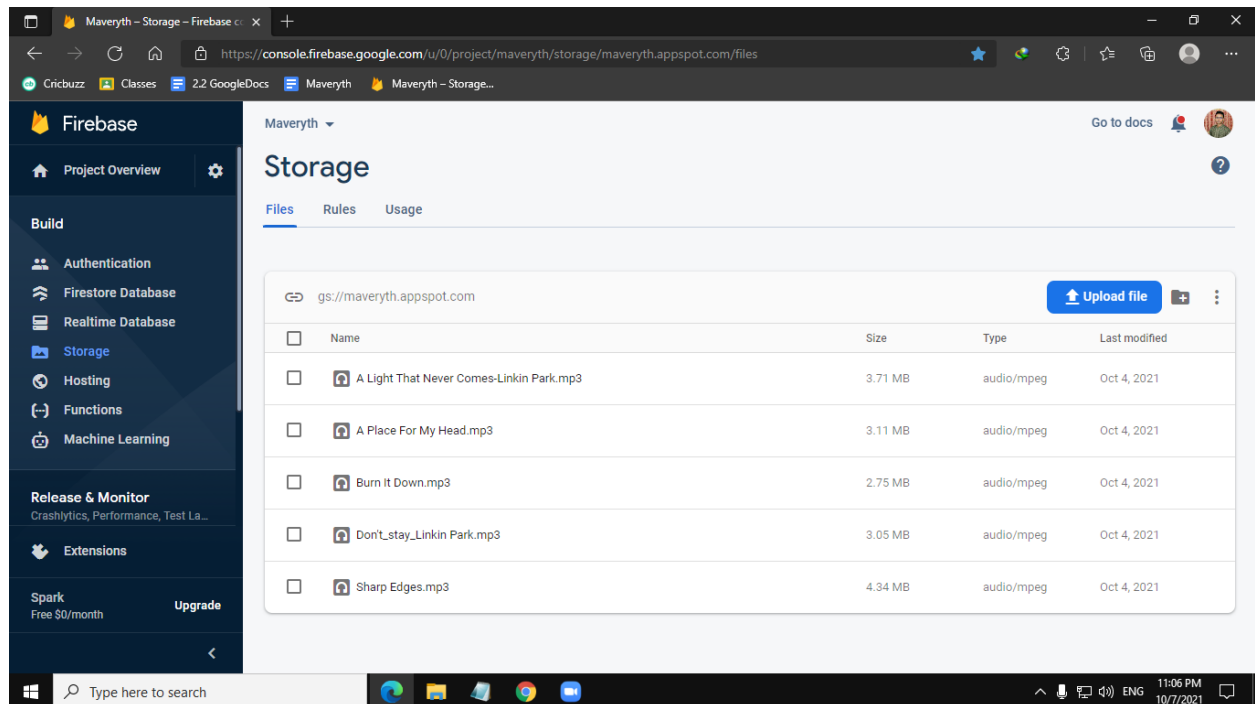- **Albums:** Songs with the same album will be displayed here.
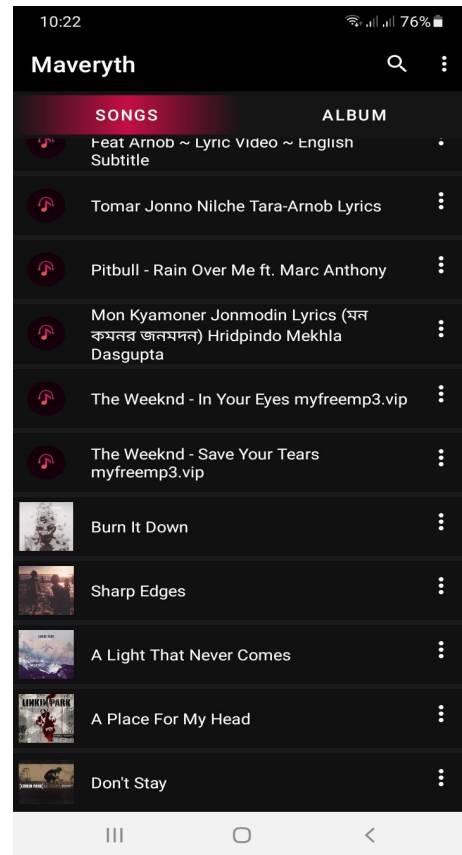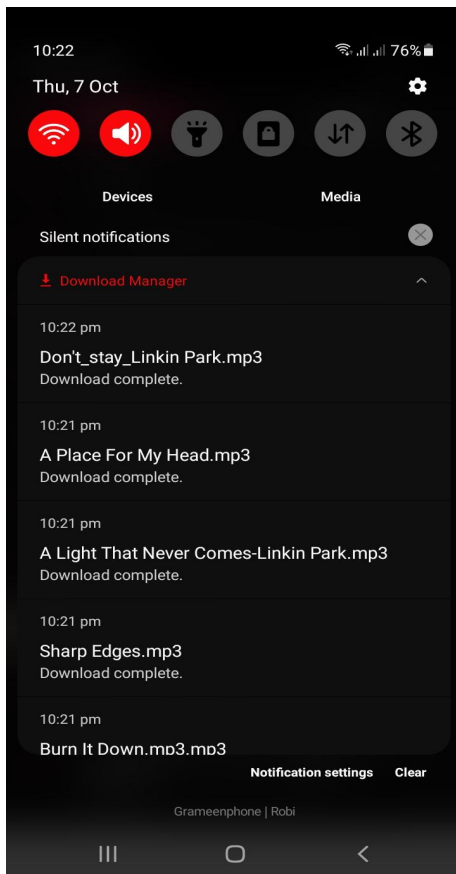

Album fragment and songs with album art

- **Download songs from firebase:** The user can download songs from firebase after clicking the download button.

Download, sort and log out options.
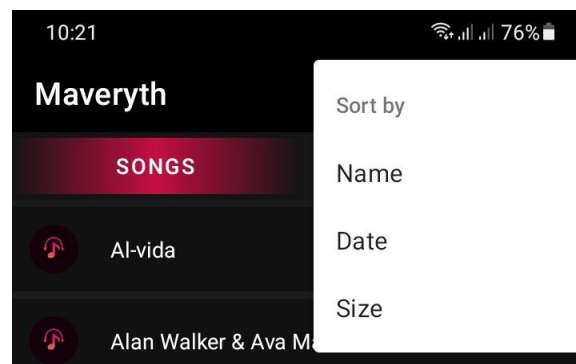

Songs uploaded in the firebase storage

Downloaded songs from firebase are showing in the notification bar and added in the music list.

- **Sort all the songs:** The user can sort all the songs by song name, date and size.
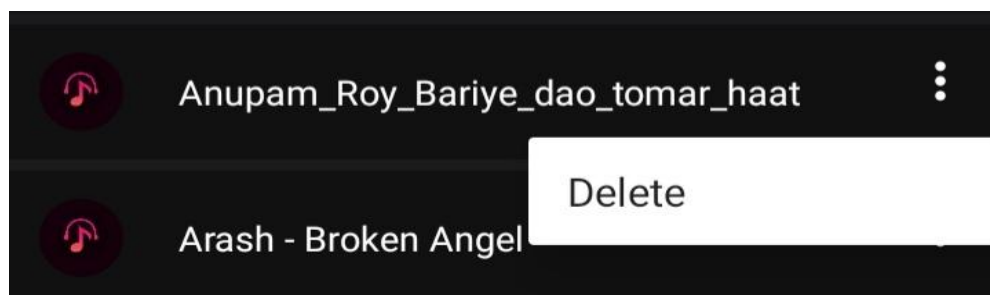

Sort option

- **Search for song:** The user can search any song from the search bar.
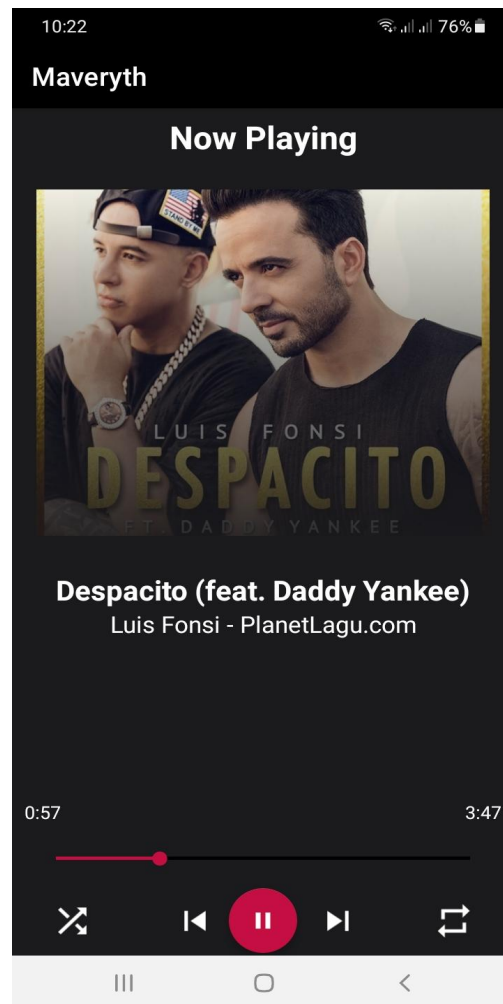

Search bar for music

- **Delete song from song list:** The user can delete any song from firebase storage by pressing the delete button.

Delete option

- **Music playing page:** Shuffle, Repeat, Play, Pause, Jump to Next/Previous Song, Seekbar

Music playing page

PlayPause Button: User can pause & play a song
Shuffle Button: Shuffle to play a random song from the song list
Repeat Button: Repeat the current song
Next/Previous Button: Move to next song / previous song
Progress Bar: The user can touch and drag left or right to set the current progress level.

Difficulties We have faced in this project:

We tried to make a user favourite list on firebase. While implementing, we failed to store the current playing song in a real-time database.

How our project can be improved further:

We will add some more features like notification bar and mini player view in our app. Moreover, we will create a user's custom playlist in future.

Conclusions:

It was an amazing experience to make a project in the android studio.In our app, users can download music from firebase and can add them in their music list. Overall, we enjoyed a lot while making an app on our own.