



ThaiTunes Mobile Application project

Mahidol University International College

EGCI 428 Mobile Device Programming

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About project:

ThaiTunes offers a comprehensive music streaming library that allows users to access a wide range of songs from a carefully curated database. Users can interact with the application through seamless functionalities such as play, pause, and feature additions through device actions.

Features of the program:

- Discover and select songs from database
- Play / pause songs
- Shaking functionality to add favourite song

Program Setup:

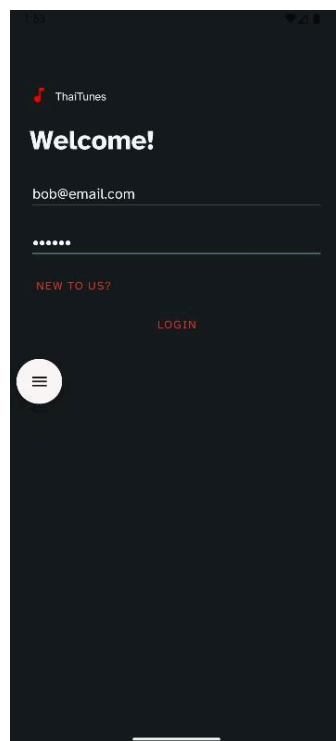
Run 'server.js' file found in the 'backend' folder first then proceed to run the android source code in the android studio.

Tools:

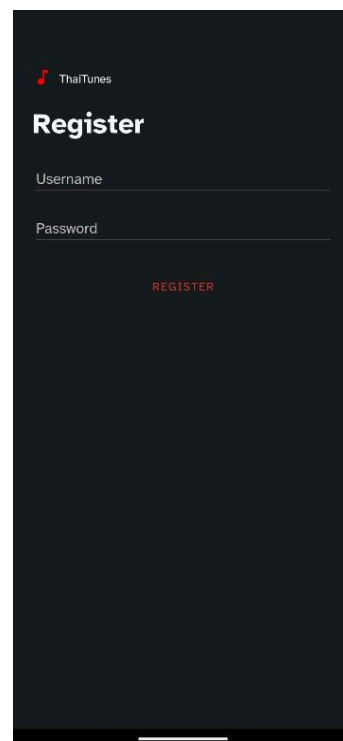
- ★ Android Studio Project
- ★ MongoDB (database)
- ★ Node.js (Application Programming Interface)
- ★ Github

Log in/Register page:

Our program features a user-friendly login and registration system powered by Google Firebase Authentication. This ensures a secure and efficient way for users to access their accounts. Users can sign up with their email and password or log in seamlessly using their credentials. Firebase's robust backend guarantees data safety and quick processing, offering a reliable authentication experience.



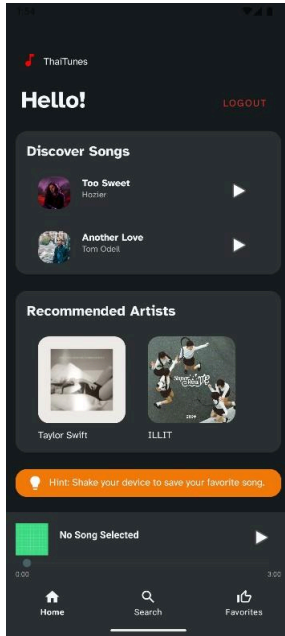
Login page



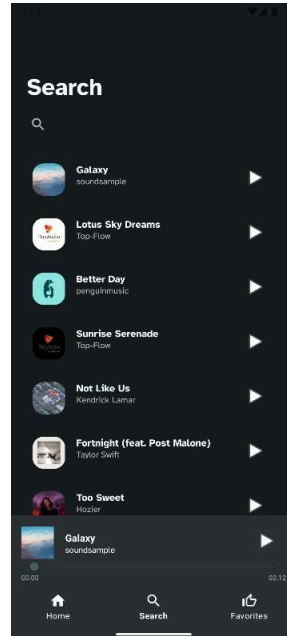
Register page

Home page:

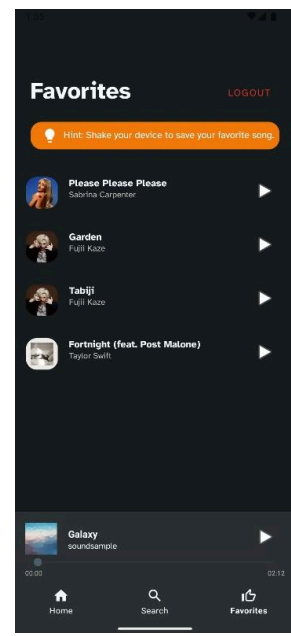
Our music application's home page offers dynamic content, featuring two randomly selected songs and two recommended artists from our database. This design ensures a fresh and engaging musical discovery experience with every visit.



Home Page



Search Page



Favorites Page

Search page:

The search page provides access to all songs in the database, allowing users to easily find music by searching for song titles or artist names. This intuitive design ensures a seamless and efficient browsing experience.

Favourites page:

The favorites page showcases all the songs users have marked as their favorites, offering quick and convenient access to their most-loved tracks.