

## **ThaiTunes**

### **Web Programming Project**

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EGCI427: Web Programming

11/07/2024

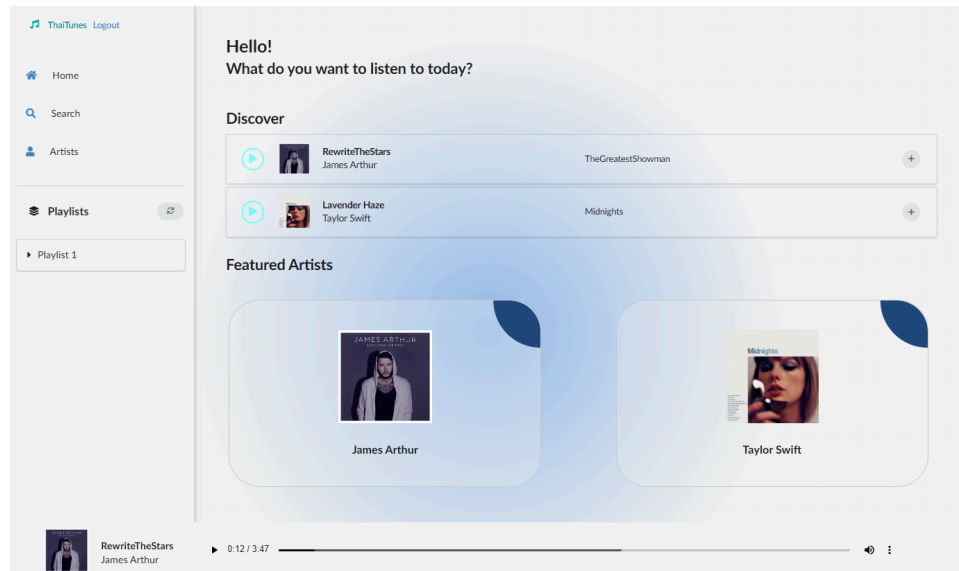
**Project Description:**

Thai Tunes is an online web platform for streaming music. There's various songs on the webpage which you can play directly in the browser. Songs are stored and loaded from Mongo DB Atlas cloud database. There are numerous songs from various different artists and genres of music. Songs can be accessed in different ways on the various pages of the Thai Tunes website. To see and search through all songs, go to the Songs page. If you want to see songs by artist, consider visiting the artists page to see songs made by a certain artist. The home page is an introductory page featuring great UI and offering users with recommended songs. Thai Tunes uses Firebase Authentication to verify users credentials and to create new users. Once signed in, a user can access all pages on the website and then can logout when finished to maintain security.

**Application Features:**

1. Streaming Music:
  - Users can play various songs directly in the browser.
2. User Playlists:
  - Users can save their favorite songs to personal playlists by clicking the plus button next to a song.
3. Firebase Authentication:
  - Thai Tunes uses Firebase Authentication to verify user credentials, ensuring secure and reliable access to the platform.
4. Pages:
  - Home Page:
    - Displays featured artists and discoverable songs.
  - Songs Page:
    - Allows users to scroll through all songs available in the database.
  - Search Page:
    - Provides a search functionality to find songs by song name or artist.

## Design Notes:



The design is simple, easy to use, and minimal with a blue aura effect. The main objective of the design is to welcome the users with great feelings since streaming music should be relaxing and easy to navigate. To play a song, simply click on the blue play button of the song you want to play. This will send the song to the bottom play bar where you can play and pause the song you've selected with the play/pause toggle button in the bottom left of the bar. If you wish to add a song to one of your playlist, simply click the plus button next to the song you wish to add. This will create a popup form that asks you what playlist you wish to add the song to. If you add a song to a playlist, make sure to refresh the playlists dropdown with the gray refresh button next to the "playlists" header. Expand the playlist dropdown of your choice to reveal the songs in that playlist. Click the play button to play those songs, or the delete button to remove the song from the playlist.

## Technologies Used

Frontend: Vue.js, Vue Formantic UI

Backend: Node.js, Express, MongoDB Atlas for data storage

Authentication: Use of Firebase Authentication for user verification.

## References

- Vue.js Documentation: <https://vuejs.org/v2/guide/>
- Firebase Authentication: <https://firebase.google.com/docs/auth>
- MongoDB Documentation: <https://docs.mongodb.com/>
- Node.js Documentation: <https://nodejs.org/en/docs/>
- Express.js Documentation: <https://expressjs.com/en/starter/installing.html>