

Cross Platform Application

Deez Play

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Summary of the App

The app is called 'DeezPlay'. This app is a music playing app that uses a Deezer API to get a content from a Deezer and play them in a app. The user can search for the Albums and Artist. The user can play the whole album or can select a song and play item. As I am using a free API, only a 30 second music will be played. Also User can save the favorite albums and store them for later. They can delete the saved albums and songs. For this project, I will be using React Native Framework and Expo tools.

Audience

The app can be used by any one who loves listening to songs. Specifically, it is focused for age group between 18-24.

How The App will be used

DeezPlay can run both in Android and IOS. When you open the app, There is three section you can choose from, You can either search the songs you want to listen or see the favorite song you have saved. When searching a songs, the list of the album will be shown. When clicking on a album, the list of songs will be displayed. You can play a song or can added to favorite. When you go to favorite screen, You can see the list of songs you have saved. From there you can play a song and You can remove the songs as well.

Technology Used:

- React Native: For mobile apps, React Native is good. It offers a user interface that is sleek, seamless and sensitive, while increasing load time significantly. Creating apps in React Native, as opposed to building native ones, is also much faster and cheaper without sacrificing on reliability or usability.
- Expo : Expo is popular as it performs many of its own headache tasks and offers seamless APIs that function outside the box with the React Native app. Expo offers a server app and you can easily check applications by installing it from the respective stores depending on the mobile platform that your phone runs.
- Async Storage: In React Native applications, Async Storage is a simple, asynchronous key-value pair. It is used for a variety of scenarios but mostly to store data if your device does not use any cloud services or if you want to introduce data storage features in your app.

List of Known Problems

Though the app can play a song From Deezer, there are some problems in my App. The problems that I have faced while developing a app is:

- React-Native Framework : This framework was completely new to me. I had to use JSX to write a code. It was difficult for me to learn JSX and Framework in short period of time.
- Login System : The app does not have login feature.

Main Feature

- It uses Deezer API to access a Music from Deezer and plays a Music.
- Search for Albums and Artist and Play a sample track.
- Can Save a Favorite track and Albums.

Road Map for Future Development

- Add a Login feature in the app
- Suggest user with a Genre as the listen to the song.
- Publish in the app in mobile device.

Wire Frame



Figure 1: Home Screen

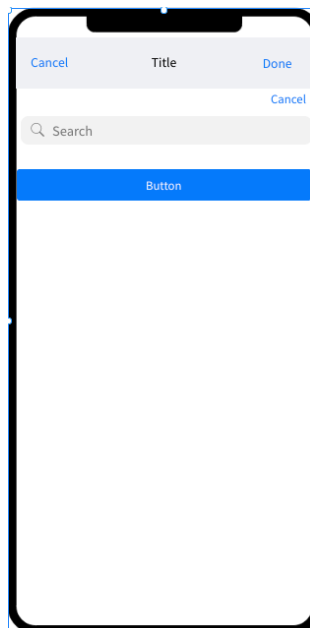


Figure 2: Search Screen

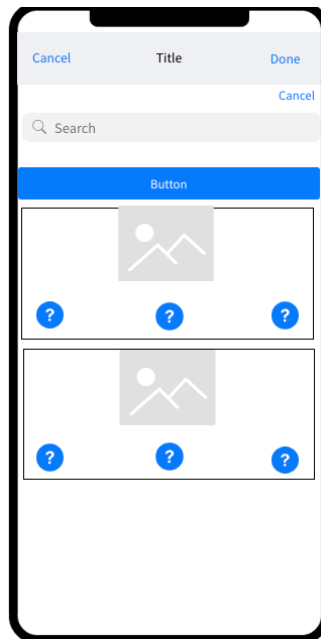


Figure 3: Search Result Screen.

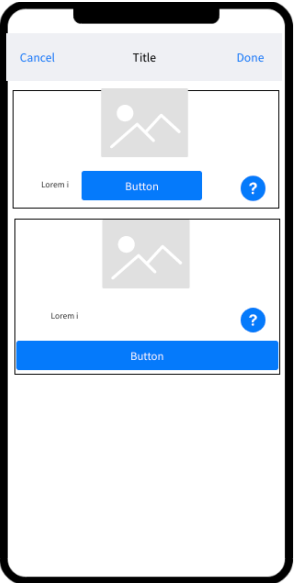


Figure 4: Album Detail Screen

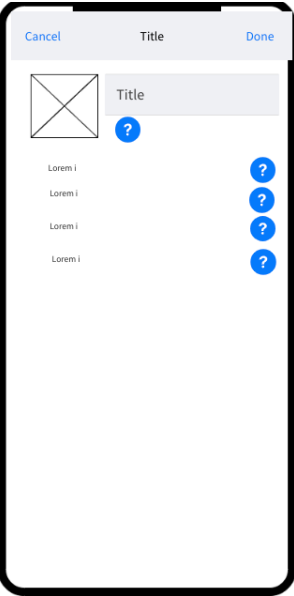
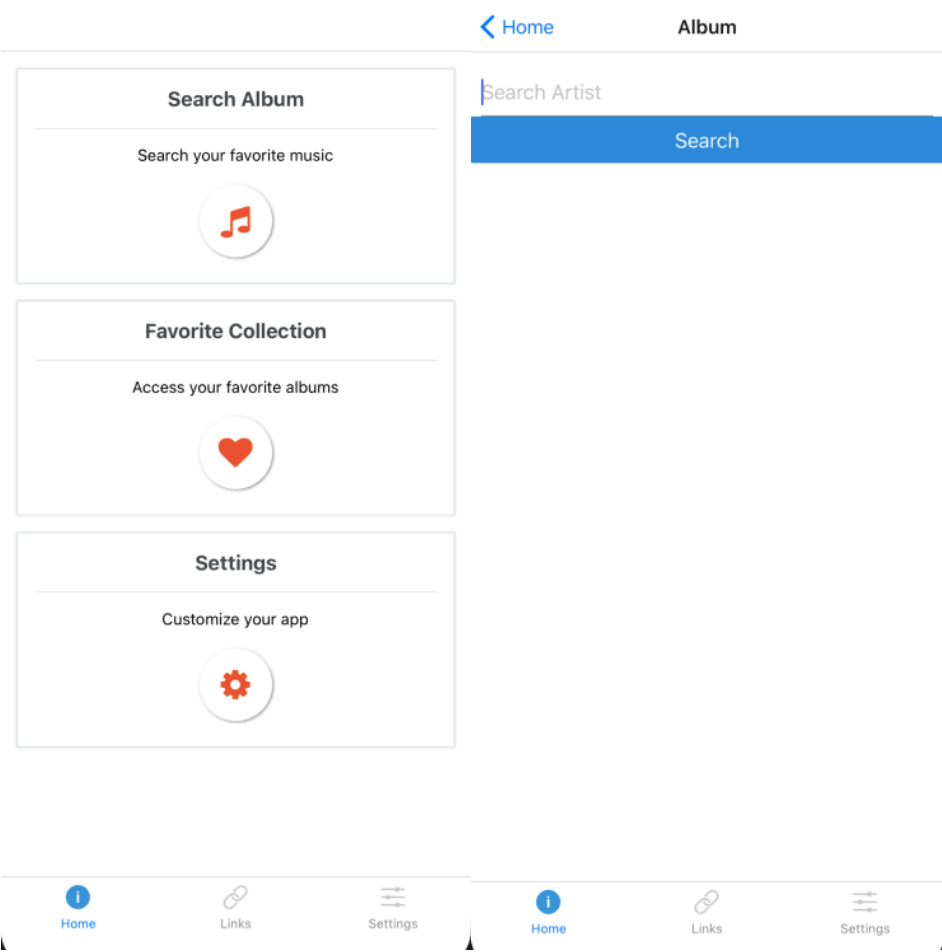
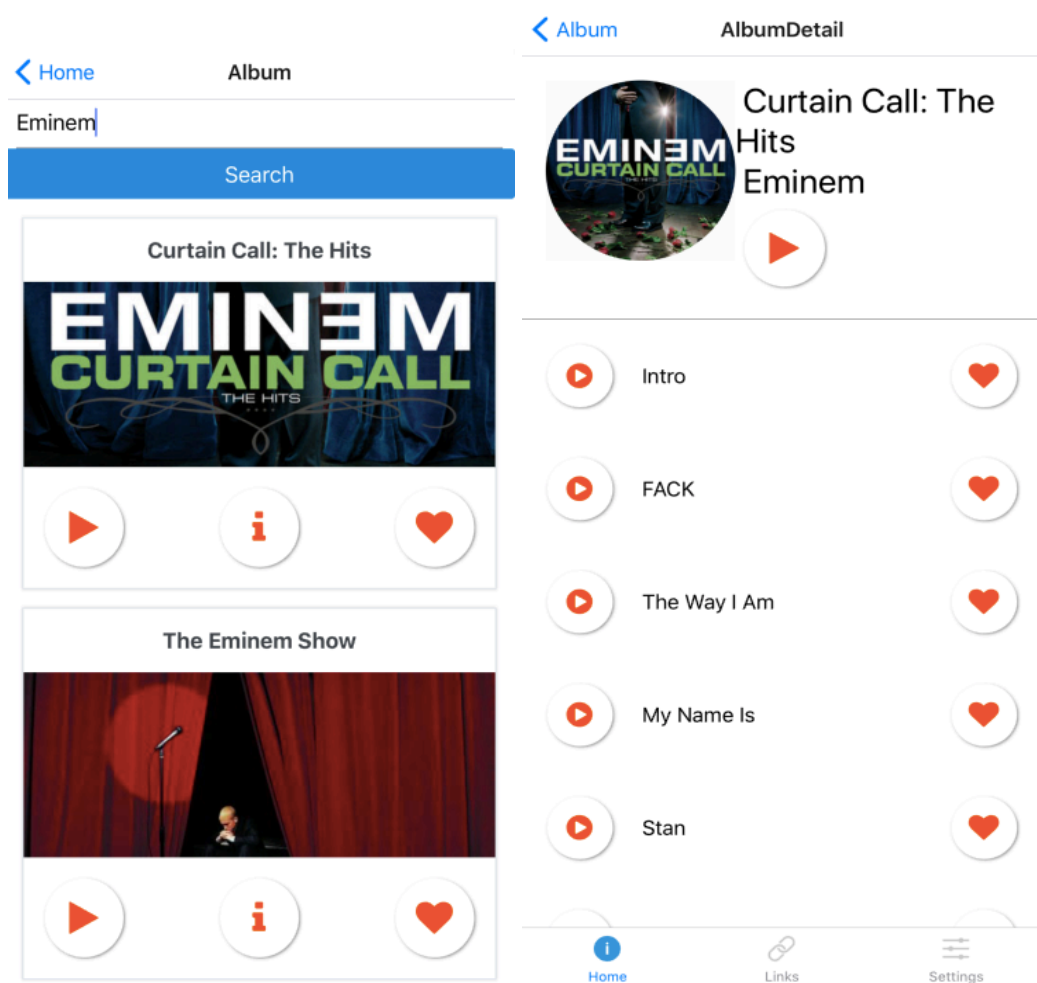


Figure 5: Favorite Screen

Mock Up





Curtain Call: The Hits

Delete Album

▶ Intro



HIGHEST IN THE ROOM

Delete Album

▶ HIGHEST IN THE ROOM

