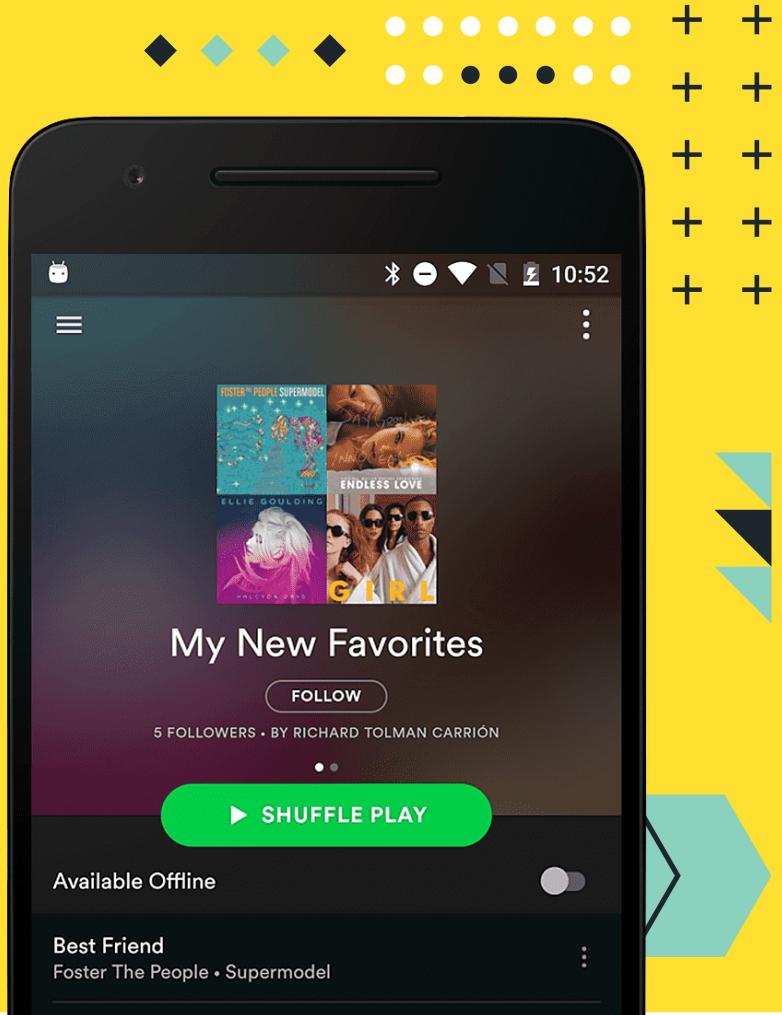


notJust

//development

Spotify Clone

React Native



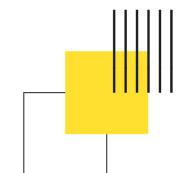
Technologies

Front End



React Navigation

Backend End





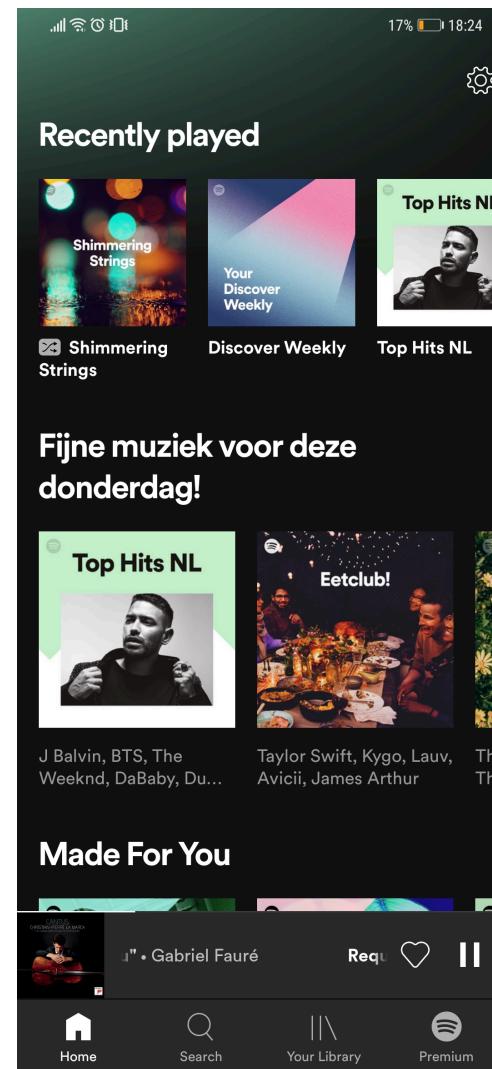
Let's get started



Initialise the expo project:



```
$ expo init SpotifyClone
```



Bottom Tab Navigator



Tab icons (from: <https://icons.expo.fyi/>)



1. Entypo: home
2. EvilIcons: search
3. MaterialCommunityIcons: library-music-outline
4. FontAwesome5: Spotify



Fijne muziek voor deze
donderdag!



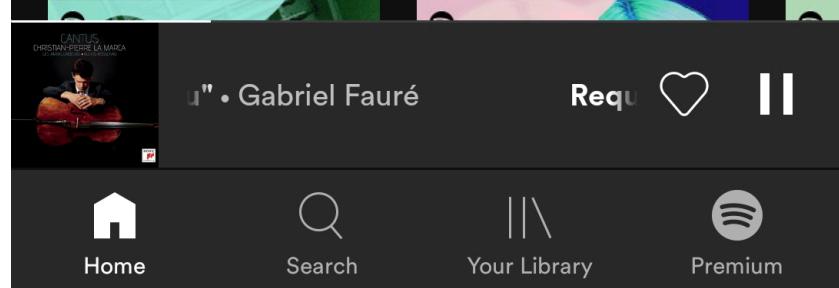
J Balvin, BTS, The Weeknd, DaBaby, Du...



Taylor Swift, Kygo, Lauv, Avicii, James Arthur



Made For You



Album Component



Input (props):

- album id: String
- imageUri: String
- artistsHeadline: String



Eetclub!

Taylor Swift, Kygo, Lauv,
Avicii, James Arthur

Album Category Component



Input (props):

- Title: String
- albums: Array

The screenshot shows a mobile application interface with a dark theme. At the top, there are three cards: "Shimmering Strings" (with a piano icon), "Discover Weekly", and "Top Hits NL". Below this is a large red-bordered box containing the title "Fijne muziek voor deze donderdag!" and "Album Component". Inside this box are three cards for "Top Hits NL": one featuring J Balvin, BTS, The Weeknd, DaBaby, and Dua Lipa; another featuring Eetclub! with a photo of people at a dinner table; and a third featuring Taylor Swift, Kygo, Lauv, Avicii, and James Arthur. Below these is a "Made For You" section with a card for Gabriel Fauré's "Pavane". The bottom of the screen shows a navigation bar with icons for search, library, and playback.

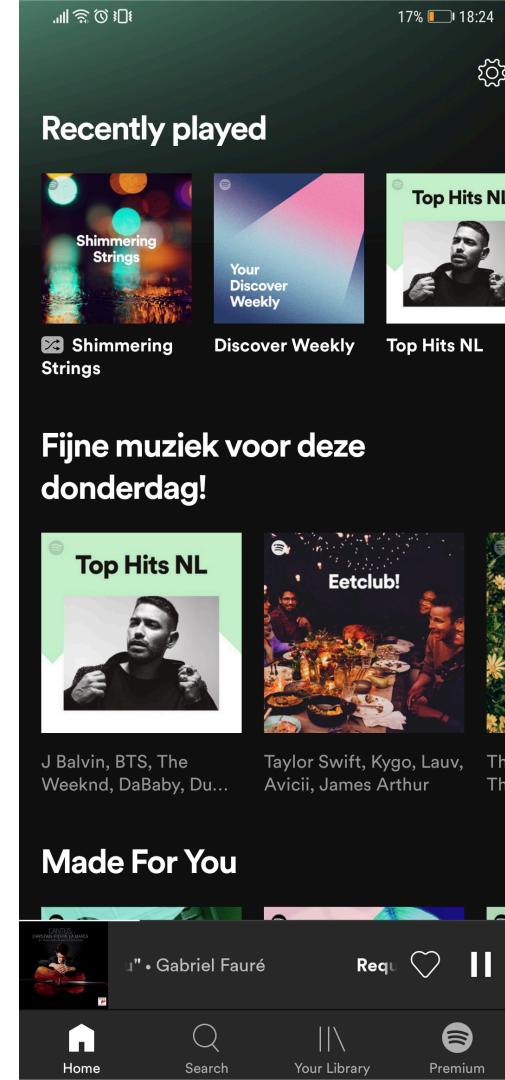


Home Screen



Data:

- AlbumCategories: Array





Album Screen



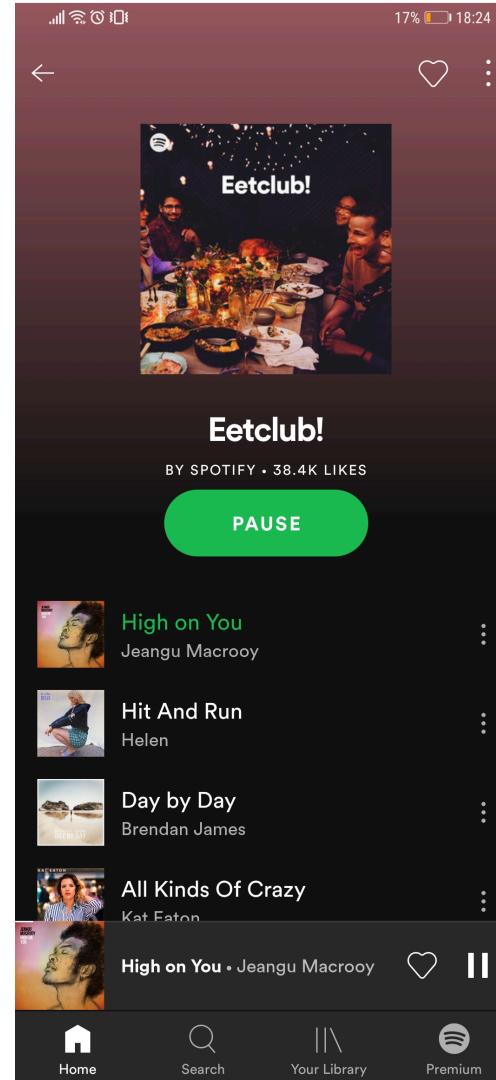
Route Params:

- albumId: String



Data:

Album (fetched based on the albumId)



Album Screen



Route Params:

- albumId: String



Data:

Album (fetched based on the albumId)



Song List:

- FlatList of SongListItem Component
- On click, write the song to context to indicate that it is playing



High on You
Jeangu Macrooy



Hit And Run
Helen



Day by Day
Brendan James



All Kinds Of Crazy
Kat Eaton



High on You • Jeangu Macrooy



Search

Your Library



Premium

notJust

//development

Album Screen



Route Params:

- albumId: String



Data:

Album (fetched based on the albumId)



Song List:

- FlatList of SongListItem Component



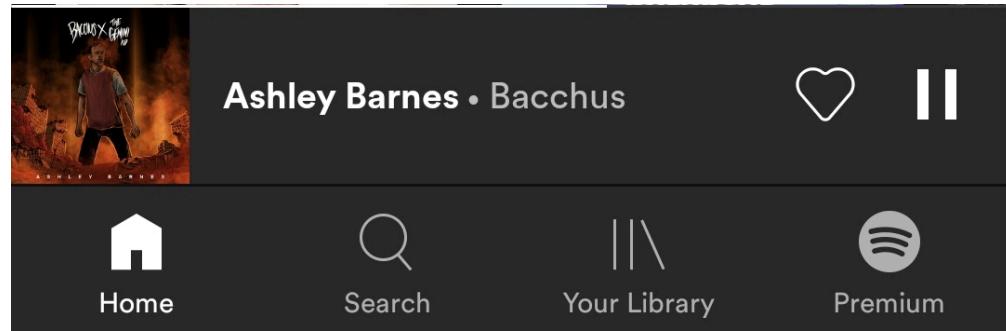
Flat List Header



Player Widget



- Get the current song from Context
- Display current playing song
- Always on screen, on top of the nav



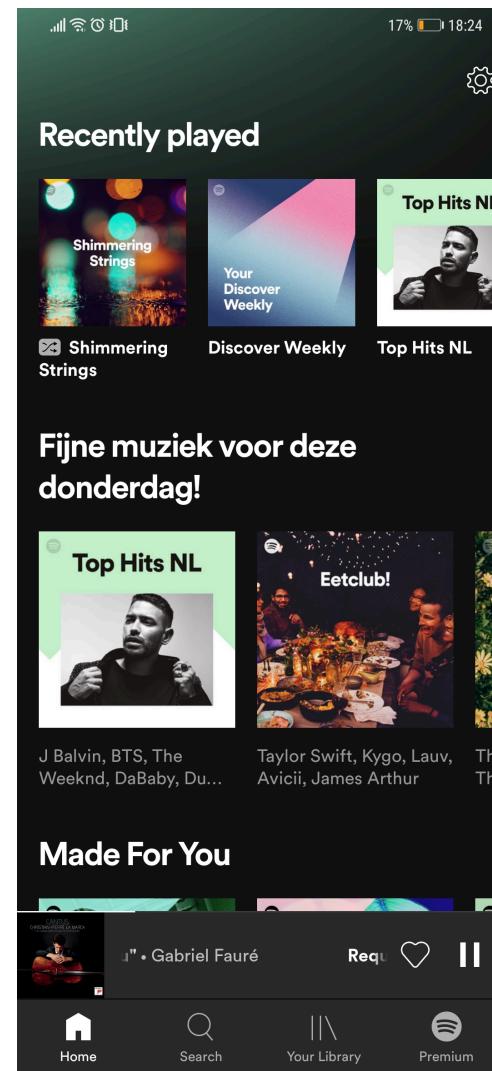


//development

Next Week



- Play songs
- User Authentication
- Backend GraphQL API
- Connect with Backend



notJust

//development

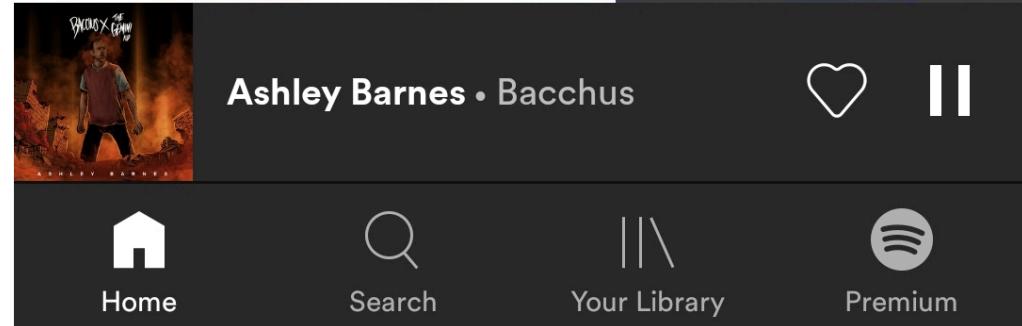
Play Song



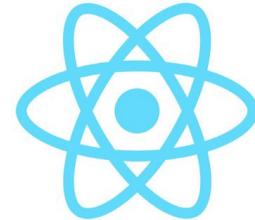
```
expo install expo-av
```



- Play the sound
- Pause/play button
- Display the progress of the song



Setup AWS Amplify



React Native

+



AWS Amplify



Prerequisites:

- AWS account (Free)
- Amplify CLI Installed and configured



Getting started guide: <https://docs.amplify.aws/start>



API and Database

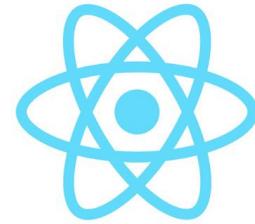
- GraphQL API
- Models:



- AlbumCategory
 - Id
 - Title
 - Albums



- Album
 - Id
 - Name
 - By
 - numberOfLikes
 - imageUri
 - artistsHeadline
 - Songs



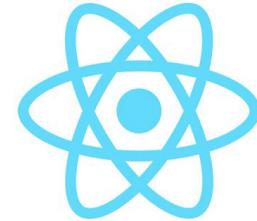
React Native

AWS Amplify

Dynamic Player Widget



- Play the song that we select
- Define the AppContext
- Provide the values for the Context
- Consume the values in order to write and read the context



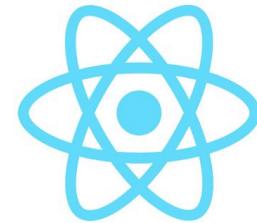
React Native



AWS Amplify

Authentication

- Add Amplify Auth



React Native

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AWS Amplify