Front-end assignment

Create an app of your favorite artist

Use the Last.fm API to retrieve data from your favourite artist. You can find the documentation here: https://www.last.fm/api/.

To use the API, you will need an API key. You can create your own or use ours: d732731be2f5f0ec4b10e5a3607d7090.

You may manually create a React app, but you can also use the node module 'create-react-app' by Facebook to generate a boilerplate version of a React application.

You can spend a maximum of 8 hours on this assignment, **it doesn't have to be finished**. We just want to have a clear indication of your coding skills.

Features

You can choose a combination of the following features, but feel free to be creative and come up with something yourself.

Must haves

- Album overview
  - Show every album of an artist with album cover, name and year.
  - Additional features:
    - Sort album by year or name
- Album detail view
  - Show the album detail view with all the songs

Nice to haves

- Search for song
  - Show all songs that match the search query
- Favourites
  - Create functionality to add a song to 'favourites' list.
  - Bonus features:
    - Add from detail view
    - Add from search
- Favourites overview
  - Create a view that contains all the songs marked as favourite. Show song title, duration, album and favourite.
  - Bonus features:
    - Remove from favourites
    - Add search bar for quick add
    - Go to album detail view when clicked on song
- Best played graph
  - Create a graph of the best played tracks on the album
  - Bonus features:
    - Search for album
    - Show album details
    - Show all songs in a graph based on plays

Technical Requirements

Must haves

- React with ES6+
- Usage of modular styling

Extra points

- Typescript
- Redux
- Styled-Components
- Server-side rendering
- Usage of a linter
- Responsive
- Unit tests
- Personal Webpack configuration

Deliverable

Please email the assignment in a .zip file or send us a link to the public GitHub repository. The project should come with clear instructions on how to set up and run the project.