

## React-native app

The app is built in react-native with 7 components: App, MovieListComponent, MovieDetailsComponent, ActorListComponent, PopularComponent, TopRatedComponent, and UpComingComponent.

The style of the app is a dark theme, the overall look of the app is clean and great to look at and the result is far better than expected.

The app component is responsible for the navigation in the app. The "Tab bar navigation" was chosen to navigate around the app. The reason behind the tab bar navigation is that the app is split up into three sections for the movies. The tab bar is great for navigating between the three sections(tabs) and is reachable with the thumb. In the tab bar navigation, a Stack navigation was added as well, which is being used when the user opens a movie to see the details. The stack here, makes it possible to avoid using a new tab, but instead having a go back button. For the API\_KEY a ContextProvider was implemented as the API\_KEY is used in a lot of the other components. The ContextProvider prevents sending the API\_KEY through the components as a prop.

Each section in the app is the MovieListComponent, where the component fetches different types of movies. FlatList was chosen to represent the movies in this component as multiple sections of movies were not needed, which the SectionList provides. The FlatList is also performing better than ScrollView because of the Lazy Loading.

The MovieDetailsComponent is responsible for showing details of the movie which the user chooses. In this component the ScrollView was used, to make the details <View> scrollable. In the details view, the information is added with normal Text components. To show the list of actors the ActorListComponent was made, which fetches the actors of the movie and shows these in a FlatList, which then is added into the ScrollView. The FlatList was chosen because of the lazy load feature, multiple sections were not needed.

The PopularComponent, TopRatedComponent and UpComingComponent just returns the MovieListComponent, each giving a different value for a prop in the MovieListComponent, so the right movies are fetched.