Assignment 1- React-Native

“Movies” uses *useEffect* where it fetches the data, it is set to monitor the stat **search** to update the other stat **movies** the list with search results.

For displaying the movies on “Movies”, a *FlatList* is used, it is configured to display the movies in three columns. Each *Item* on the *FlatList* is made of a *Pressable* with an *ImageBackground* and a *Text* component. If a movie has no image to use as background, a *View* is used instead of the *ImageBackground.* Here could both a *ScrollView* and *SectionList* have been used. *ScrollView* was not used because it renders all the items at once when the component is loaded, this can impact performance, whereas the *FlatList* only renders the items as they are visible on screen. *SectionList* was not used as there was not need for having the list split into sections.

The app is built with the *Navigation* component, so it is possible to go from “Movies” to view a specific movie on the “Movie” screen. When navigating to the “Movie” screen, the id of the selected movie is passed along, so the screen can use *useEffect* to fetch the movie data with the id and set the stat **movie**.

There was no need for a *ContextProvider* as the only data needed to be passed between screens is a single id.

Each item on the *FlatList* has a *Pressable* this is chosen instead of a *Button* because the contents of the item is an image with some text over it