Portfolio manager

Felipe Lima - 109290055
Lucas Gama - 108696592

For the semester project, we decided to create a mobile application that will act as a simplified portfolio manager. We intend to design this application using React Native to reach all major mobile platforms and create a simple experience that manages the user's portfolio. The application will allow users to create an account and log in, register stocks, REITs and funds, keep in track of each stock weight on the portfolio, visualize the rentability of each stock as well as the average cost per stock. If we have enough time we plan to integrate the app with an API that will automatically get the current stock price as well as create a pie chart to easily display portfolio diversity to users.

Since we are making use of React Native, the majority of our code will be in JavaScript, and we will make use of this language to fulfill the requirements of Object-Oriented programming and to design the required patterns.

Functional program elements:
- Login screen
- Adding stocks to your portfolio
- Calculating per stock rentability
- Calculating overall rentability
- Calculating portfolio diversity
- Visualization of information in different formats (charts, graphs)