

Team Financially Illiterate

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Team Members

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Project Overview

Problem: Keeping track of money is complicated

- Budgeting requires a lot of tracking
- Numbers have to come from many different places
- Automating calculations could save a lot of stress



Project/Business Case

Solution: Financial Planner

- Track income, bills and other payments
- Calculate monthly budget and savings
- Visualize spending and savings to make it understandable

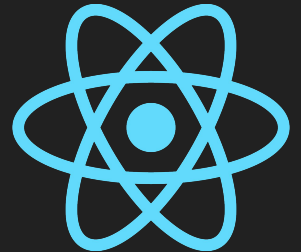


Front End Technologies

- JavaScript
- Html/CSS
- React
 - Front end Javascript library
- Bootstrap
 - CSS Framework
- Redux
 - Javascript Library for Application State
- React-Router
 - Routing Library



Bootstrap



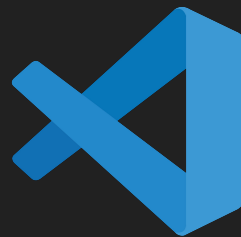
Back End Technologies

- Node JS
 - Open Source Server Environment
- Express
 - Web Application Framework
- AWS RDS
 - Amazon Web Services Relational Database Service
- MySQL
 - Relational Database Management System



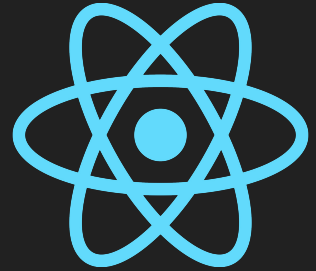
Tools

- Visual Studio Code
 - Source code editor
- Figma
 - Interface design and prototyping
- Github
 - Version control
- Jest
 - Testing Framework
- Mpld3
 - JS Graphing Library

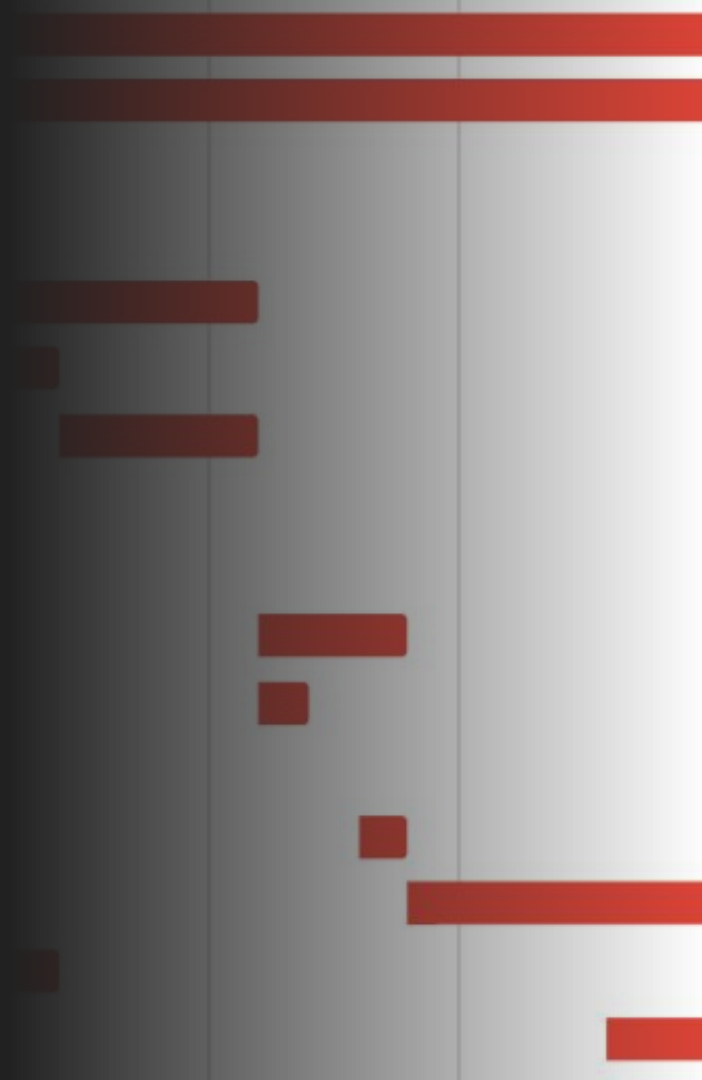


New/Unfamiliar Technologies

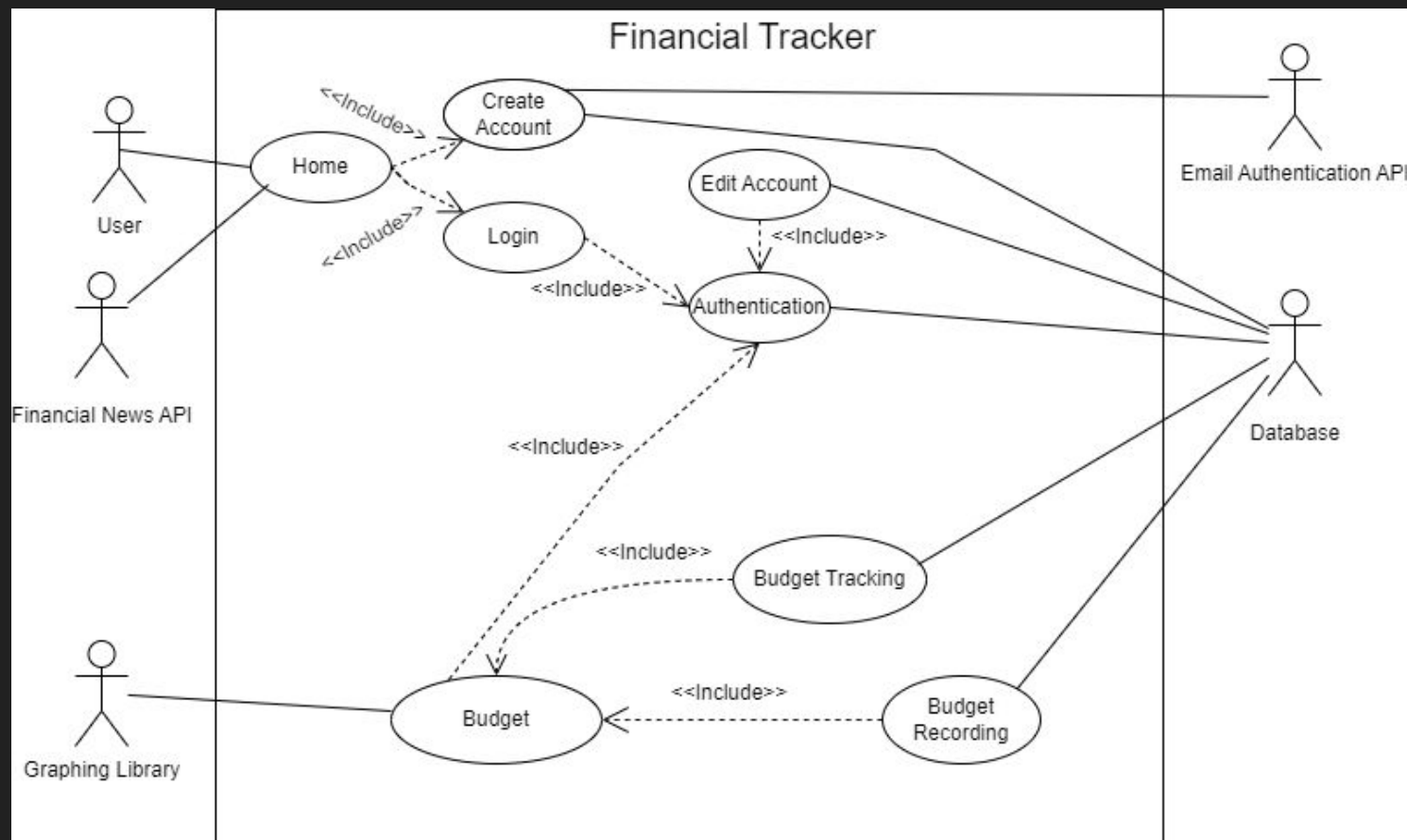
- Mpld3
 - Graphing Library for JS
 - Chosen due to similarities with Matplotlib
- React.js
 - JS Framework based on Node
 - Chosen due to two of us taking a class on React
- Jest.js
 - Unit Testing for JS
 - Chosen for simplicity, ease of deployment



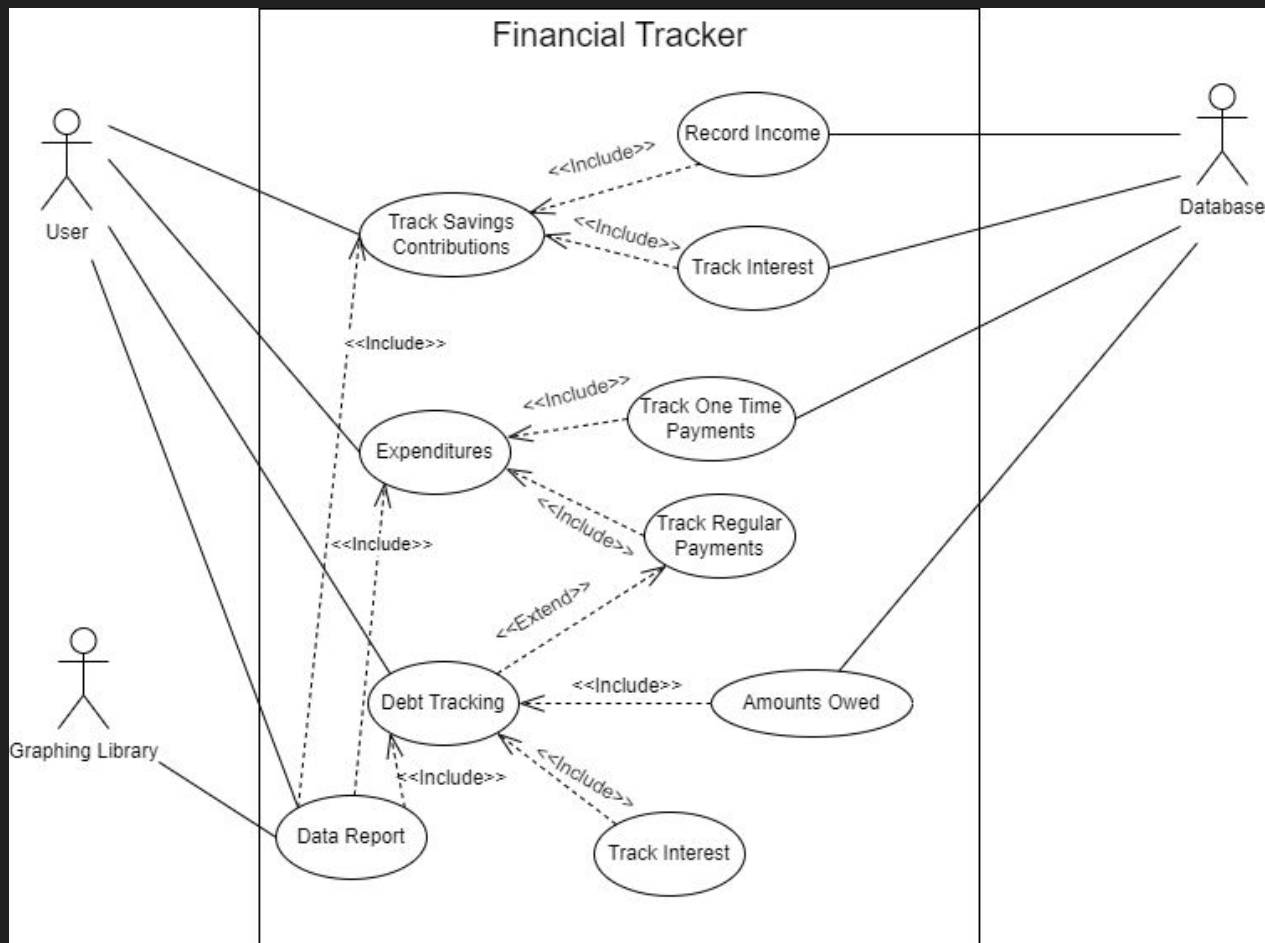
Gantt Chart



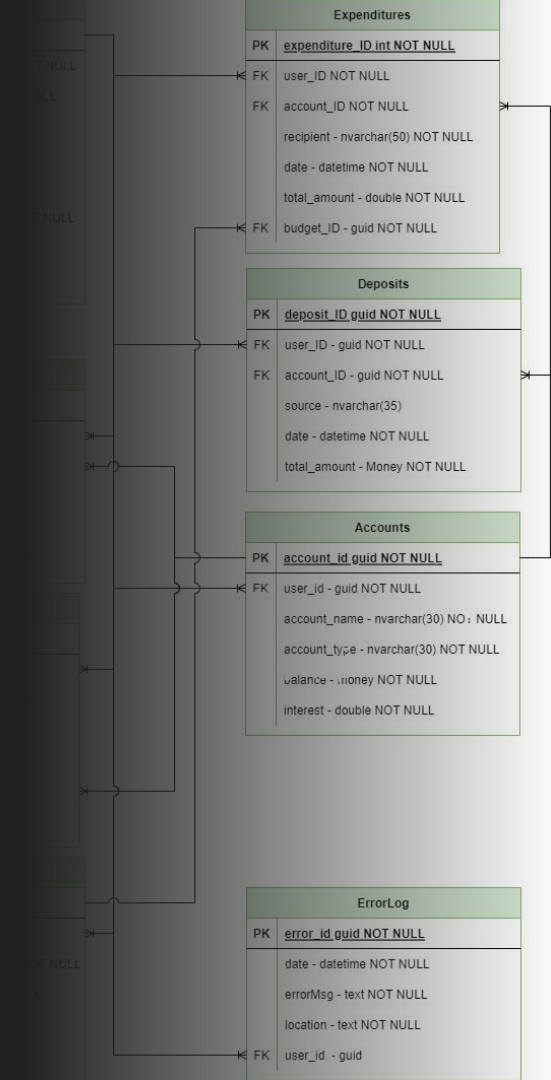
Use Case Diagram



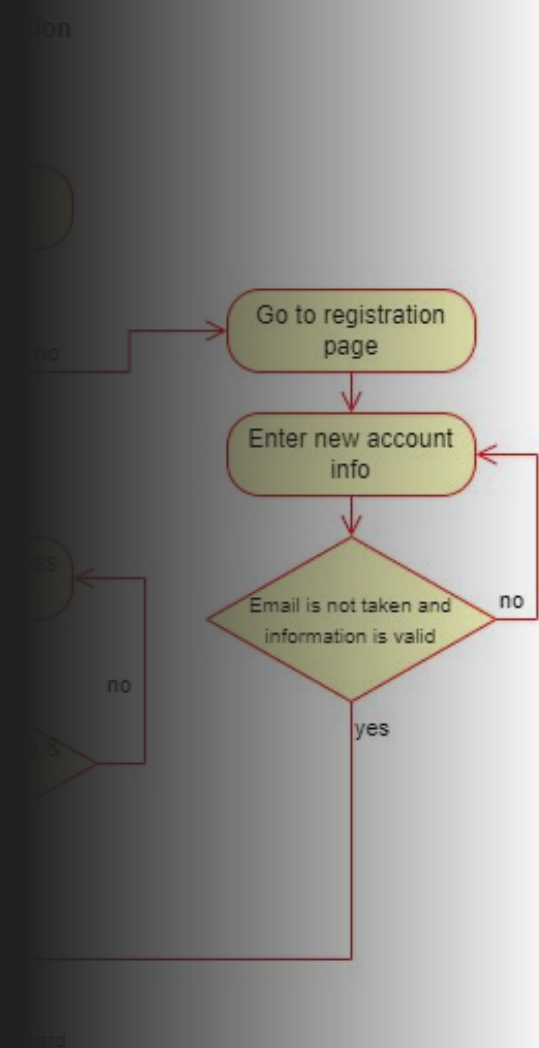
Use Case Diagram



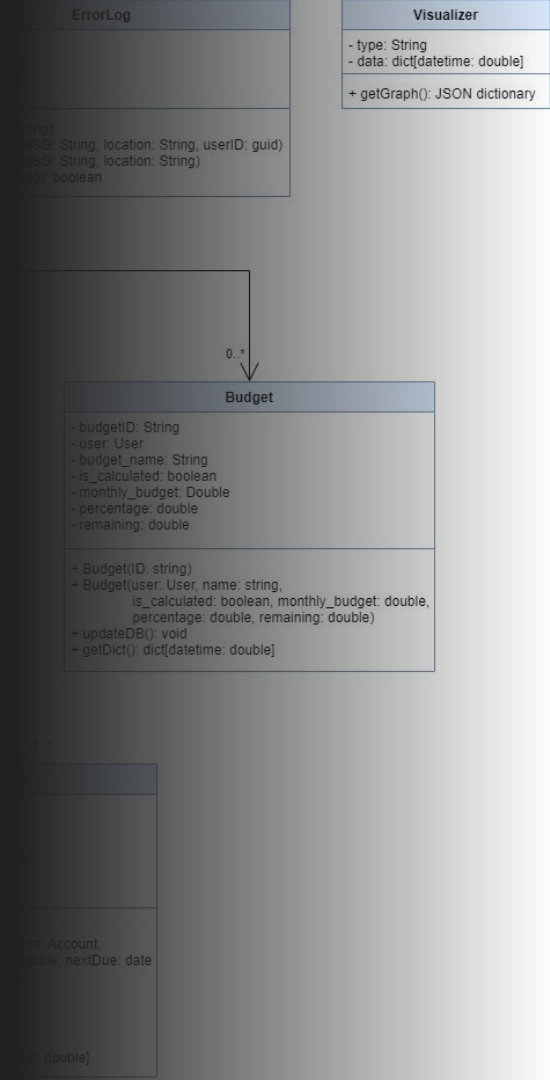
Database Entity Relationship Diagram (ERD)



Activity Diagrams

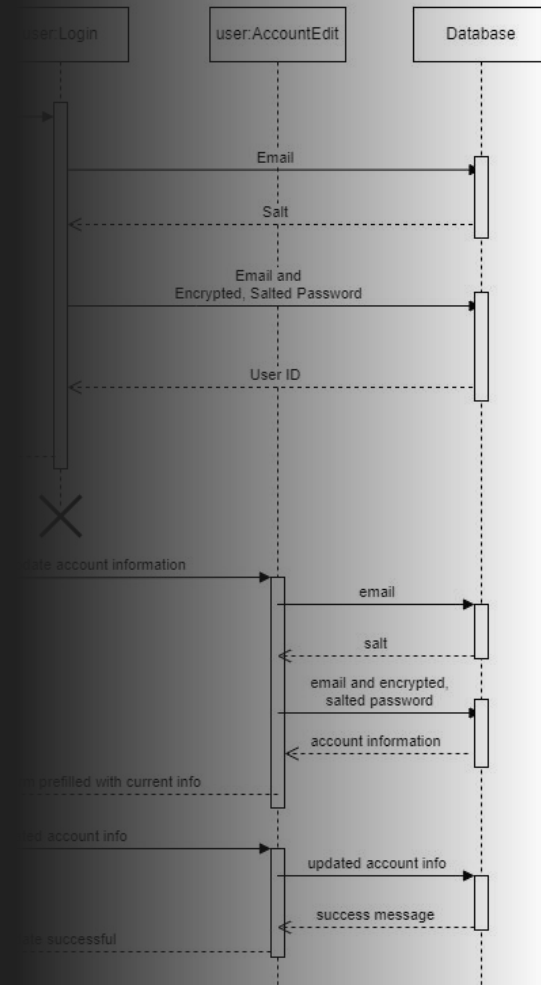


Class Diagram



Sequence Diagrams

Login and Edit Account



Wireframe

Prototype

