Team Financially Illiterate

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Project/Business Case

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

Technologies

Front End

JavaScript

Html/CSS

React

Bootstrap

Redux

React-Router

Back End

Node JS

Express

AWS RDS – MySQL

Python

MatPlotLib

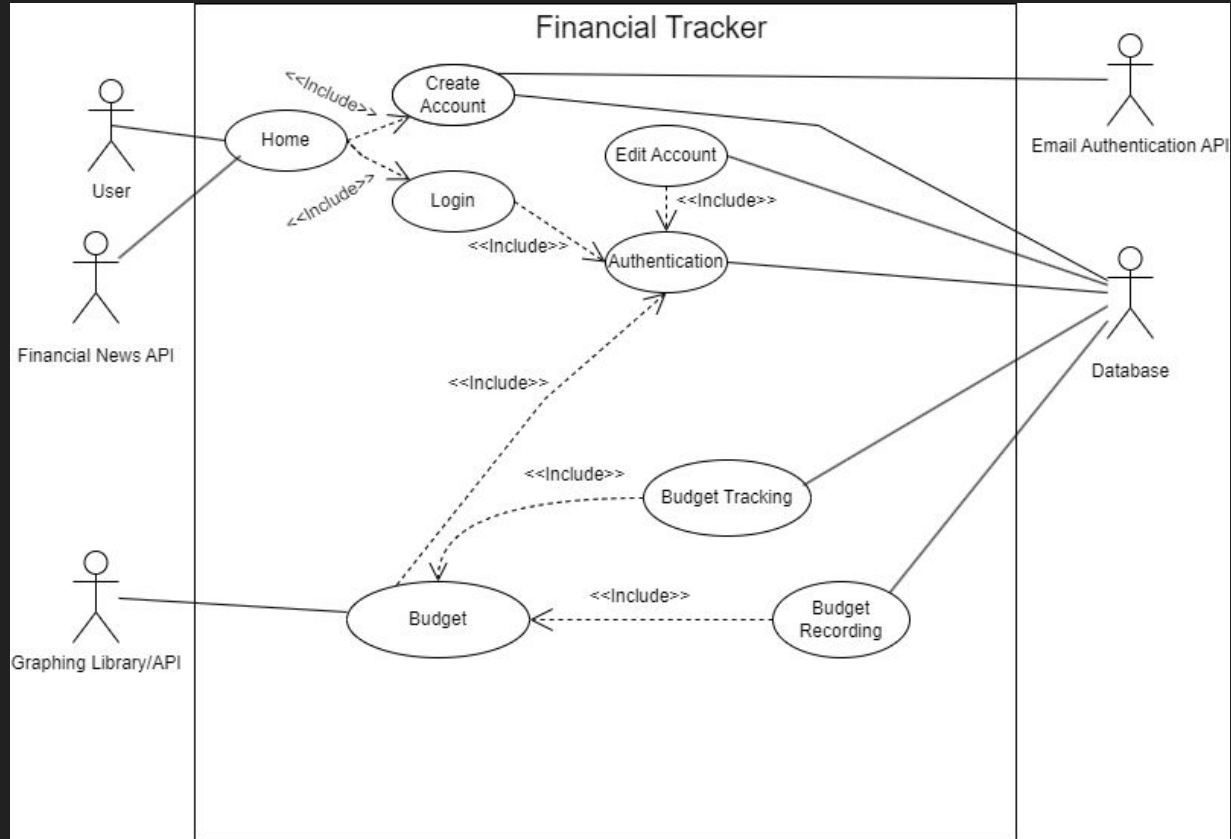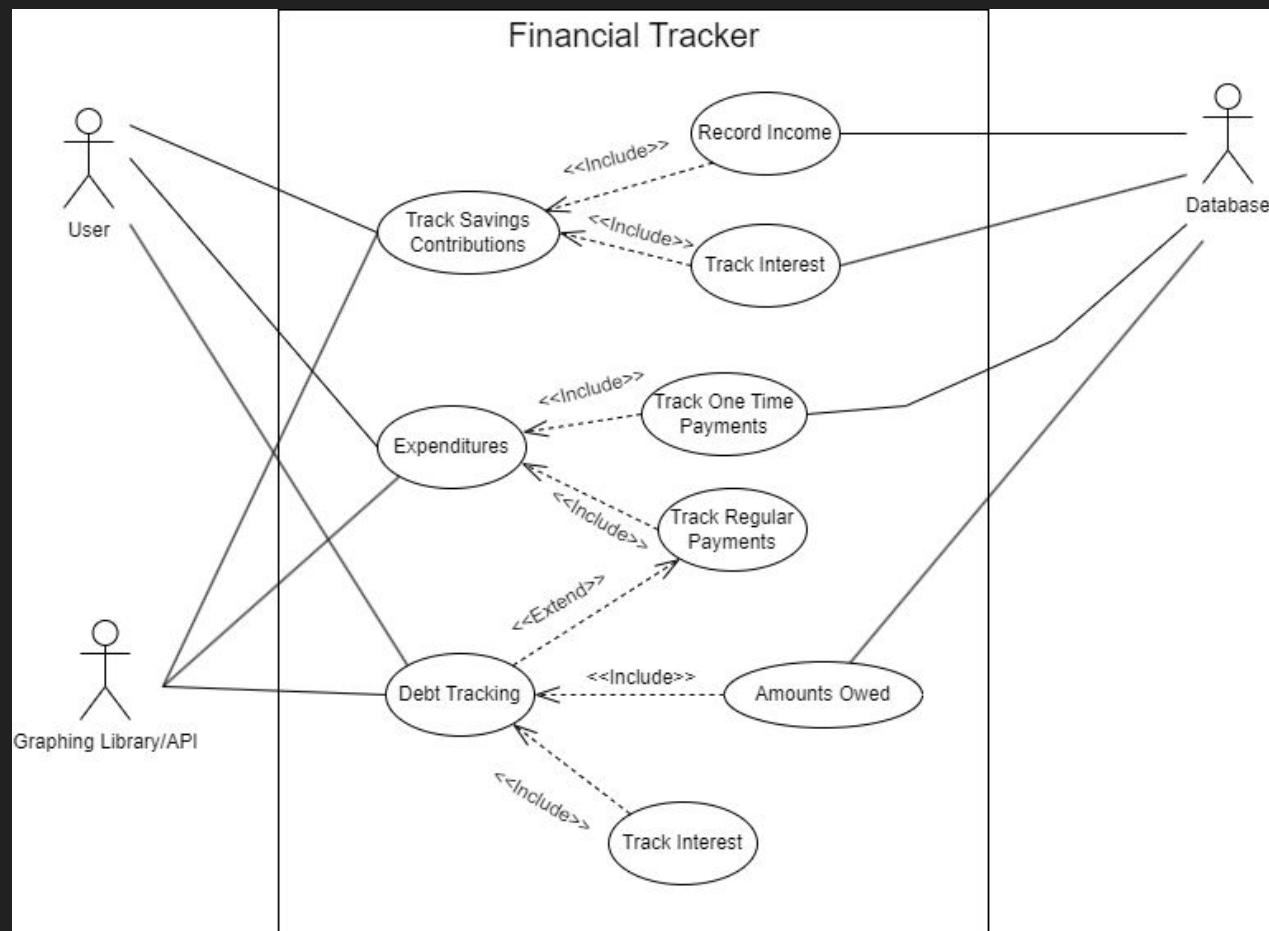**Tools**

Visual Studio Code

Figma

Github

xunit

Gantt Chart

Use Case Diagram

Use Case Diagram

Wireframe Prototype

Database Entity Relationship Diagram

Users

PK	user_id guid NOT NULL
	email - nvarchar(255) unique NOT NULL
	password - nvarchar(40) NOT NULL
	password_salt - guid
	first_name - nvarchar(40)
	last_name - nvarchar(40)
	phone - nvarchar(15) unique NOT NULL
	business_name - nvarchar(50)
	profile_image - nvarchar(100)
	is_admin - boolean NOT NULL

Income

PK	income_ID NOT NULL
FK	user_ID - guid NOT NULL
FK	account_ID - guid NOT NULL
	gross_pay - money NOT NULL
	insurance - money
	pay_frequency - int NOT NULL
	tax_percent - int
	retirement - money

Bills

PK	bill_ID guid NOT NULL
FK	user_ID - guid NOT NULL
	pay_frequency - int NOT NULL
	next_due - datetime
	amount - money NOT NULL
FK	account_ID - guid NOT NULL

Expenditures

PK	expenditure_ID int NOT NULL
FK	user_ID NOT NULL
FK	account_ID NOT NULL
	recipient - nvarchar(50) NOT NULL
	date - datetime NOT NULL
	total_amount - double NOT NULL

Deposits

PK	deposit_ID guid NOT NULL
FK	user_ID - guid NOT NULL
FK	account_ID - guid NOT NULL
	source - nvarchar(35)
	date - datetime NOT NULL
	total_amount - Money NOT NULL

Accounts

PK	account_id guid NOT NULL
FK	user_id - guid NOT NULL
	account_name - nvarchar(30) NOT NULL
	account_type - nvarchar(30) NOT NULL
	balance - money NOT NULL

ErrorLog

PK	error_id guid NOT NULL
	date - datetime NOT NULL
	errorMsg - text NOT NULL
	location - text NOT NULL
FK	user_id - guid