Project Documentation Budget Buddy

Project Overview

- **Title**: Budget Buddy 02/06/25
- **Introduction**: An expense tracker app to help users gain control of their finances and become financially responsible.

Project Requirements

Features List:

- Add, track and manage personal expenses
- Filter expenses by months
- Add, edit, and delete expenses with confirmation modals
- Currency conversion between NOK and USD as a base and other currencies using a currency API
- User account page with password change functionality and account details
- Responsive and structured layout
- Different types of form validation
- Authentication required for access to user data
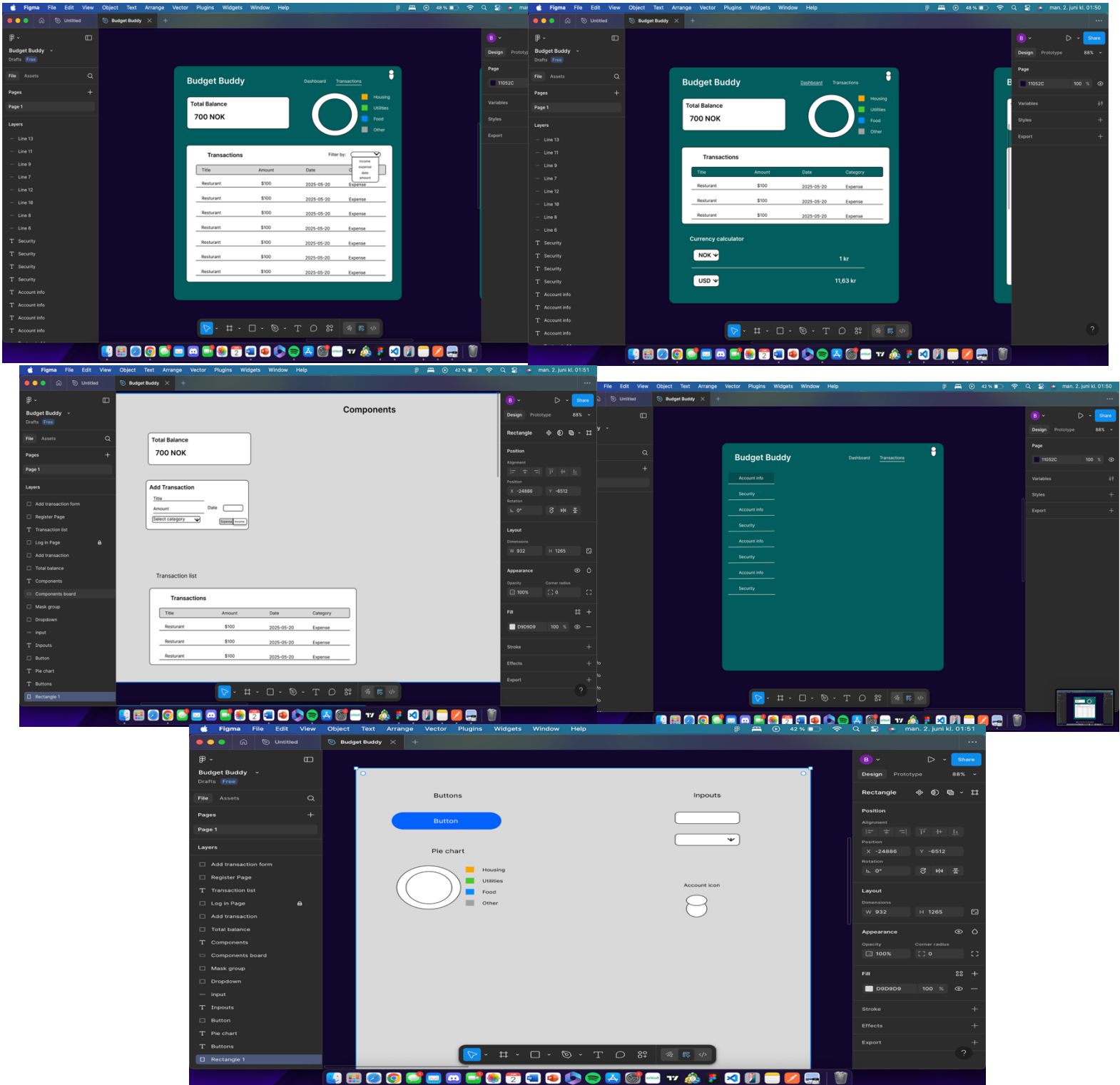- Email authentication
- Forgot password feature

Technology Stack:

- React
- Vite
- React Router for client-side routing
- Firestore for persistent data storage
- Custom hooks and component-based architecture
- Deployed on Netlify

Design and Planning

- **Mockups**:

  I changed some of the colors along production but most of the design remained the same.

Development Process

- **Challenges**:

I had trouble deploying the app to Netlify and getting it to run properly since I´m using a server.js to hide the API keys and sensitive information from the frontend. Still haven't fixed it.
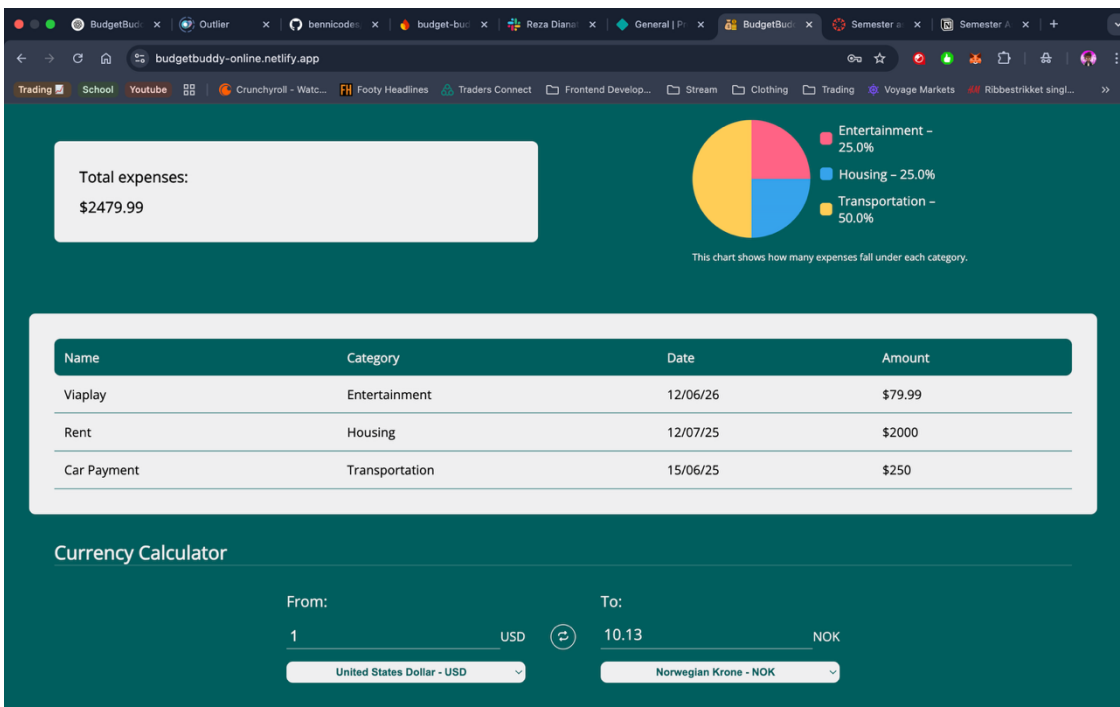
Testing

- **How You Tested**:

I tested my app manually when creating different components and features. Using the console to handle errors and see if information in forms was being tracked and so on.

- **Bug Fixes**:

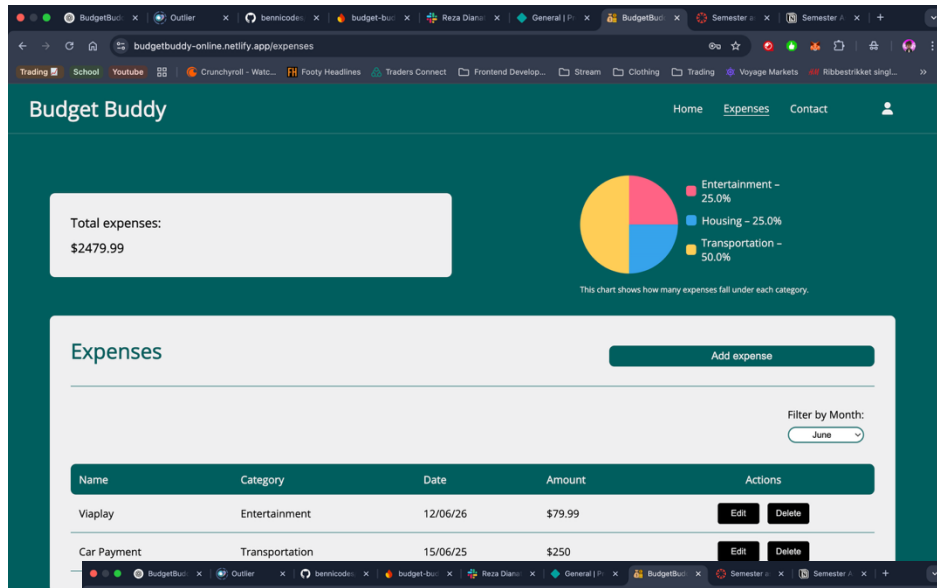Didn't have any bugs worth mentioning really. My biggest one was the getting the errors to display from the useAuth.js hook. I had issues because I typed the message as a string in the handleChangePassword inside the security component instead of referencing the message which was already created inside the useAuth hook.

Final Product

- **Screenshots**: Include a few screenshots of your final project.

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Budget Buddy

Home   Expenses   Contact

Total expenses:
$2479.99

Entertainment –
25.0%

Housing – 25.0%

Transportation –
50.0%

This chart shows how many expenses fall under each category.

Expenses

Add expense

Filter by Month:
June

Name	Category	Date	Amount	Actions
Viaplay	Entertainment	12/06/26	$79.99	Edit Delete
Car Payment	Transportation	15/06/25	$250	Edit Delete

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Budget Buddy

Home   Expenses   Contact

Account
Sign out

Profile Info

Profile Info

Security

First Name:
Benedict

Last Name:
Notoane

Date:
12/05/2025

Email:
benedict.notoane@hotmail.com

Verification Status:
Verified ✅

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Contact Us

We would love to hear from you! If you have any questions or feedback, feel free to reach out to us!

First name:

Last name:

Email:

Message:

Enter your message (max 300 characters)

Typed characters 0/300

Send

- **How to Use**:
  - Sign up or log in if you have a user
  - Use the navbar to navigate between different pages.
  - The currency calculator automatically calculates when selecting a currency or typing a number in the input.
  - Add, edit or delete expenses in the expenses page.
  - If not verified the user can verify their account at the account page. Hover the profile icon and click account to get to the page.
  - To sign out hover the profile icon and click sign out.

Reflection

- **What You Learned**:

  I learned how to utilize costume hooks and contexts in react. The costume hooks were especially helpful for validation features as the code becomes easier to read and maintain. Which again makes the component logic easier to control and maintain as the code is shortened and easier to read.

- **Future Improvements**:

  If I had more time, I would make it so the user could add their monthly income as well and make the app calculate how much the user would have left after paying their expenses for that month.

  I would also implement dark mode/light mode, and a function so the user could choose their preferred currency to display the expenses in.