



DailyDime

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The Pitch

- The problem at hand is the challenge many individuals face in managing their personal finances effectively. We have come up with a simple but effective solution that goes deeper into the spending and earnings of a user.
- In our app, we include displaying data through visualizations by reading CSV files and exporting those visualizations in a PDF file, adding incomes and expense, having daily summaries of total amounts of money spent/earned and what is most common expense/income, profile page, accessing information about banks through a search bar on a map by using Google Maps and Places API, adding potential stocks to add on to a portfolio of the user by using Alpha Vantage and showcasing the total amounts of money on specific days through use of a calendar.

Why this idea is worth approaching.

- Growing Individual Financial Concerns
 - Significant percentage of individuals express worries about financial well-being
 - A notable portion of the population faces challenges in budgeting, saving, and managing expenses effectively.
- Empowering more individuals to save more money while becoming more financially literate
 - Our solution is designed to empower individuals, fostering increased savings and enhancing financial literacy while making it accessible to everyone due to the nature of mobile apps

Challenges that we overcame and why scope matches group size

- Issues with api configs as we were using both Google Maps and Places APIs
- Configuration of database within firebase as this was first time using it
- Track your stock portfolio within the app, as well as get live PnL updates
- The scope matches our group size as we have many extensive features:
 - Visualization of finances using CSV files and PDF of visualizations being saved
 - Adding incomes and expenses for each specific user
 - Daily summaries of total amount spent/earned
 - Accessing information about banks on a map
 - Showing expenses on a calendar on any given day
 - Showing what is most common expense/income
 - Customization of profile information
 - Adding stocks towards a portfolio
 - Log in/sign up

Who did what

- Haris: Profile customization page, Home page that shows total income/expense, pie graph of incomes/expenses and most common expense/income
- Paul: Log in/sign up, visualizations of income and expense using pie and bar charts, exporting visualizations in a PDF that is saved onto user's phone
- Kia: Add Expenses and also connect it to the backend, Investment portfolio tracker, random bug fixes
- Inder: Incorporate Google Maps and Places API to showcase information about banks on a map, show expenses on any given day on a calendar
- Tanjodh: Add Income and connect it to the backend, various animations on splash start up page, and creating/setting up the website

Lessons learned from doing this project -- both positive and negative

- We learned how to work concurrently without stepping on each others toes by using a version control tool (github)
- We learned how to use firebase for authentication and for saving other informations such income/expenses, user related information
- We learned how to incorporate several APIs such as Alpha Vantage, Google Maps and Places API
- We learned that you have to commit small changes and commit often; else, you have difficult merge conflicts
- We learned that you must discuss and plan before writing any code