

Budget Buddy

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Problem Statement

Have you ever found yourself overwhelmed by the amount money you have to spend of various different things like your basic utility bill, rent, and much more? You're not alone. Many individuals struggle with managing their expenses and setting goals to only spend a certain amount per week or month. Current budgeting apps lack a user-friendly interface that allows for a personalized and stress free experience.

Our Vision

Introducing Budget buddy, the ultimate budgeting app that is designed to help individuals around the world to eliminate their poor budgeting habit with just one download. The Budget Buddy app understands and adapts to individual needs, making budgeting a delightful journey towards financial freedom!

Proposed Solution

Budget Buddy aims to address these challenges by:

- Being user and beginner friendly
- Integrating Real time expense tracking
- Personalized budgeting
- Expense limiting
- Simplicity and personalization
- User-focused

What Budget Buddy Will Offer (basically previous slide continued)

Real time expense tracking:

- Link bank accounts and credit card to app to have up to date view of finances

Personalized Spending limits and Reminders:

- Allow users to set daily/weekly/monthly limits based on goals
- Send timely notifications if limits are close or have been exceeded
- Encourage mindful spending habits

Simplified Financial Reporting and Design:

- Offer insights and reports on spending patterns and habits
- Easy and intuitive app layout for easy access and knowledge of other features

How it relates to the project goals

Our project relates to these goals by:

- Using multiple different tools, such as React and Flask
- Gaining practical experience in terms of teamwork, design, and coding
- Practicing with different methods of teamwork and communication
- Creating soft deadlines before any hard deadlines come up
- Dividing up different kinds of work

Use Case Example: Set and Track Spending Limit

Preconditions:

- User must have a budget buddy account and be logged in
- User must input and link at least one payment method (ie: bank acc, credit card)

Main Flow:

- User selects option to set a spending limit[S1]. They input a daily, weekly, or monthly limit and confirm[S2]. The system updates the user's profile with the new limit[S3]. The user then inputs expenses as they occur[S4], and the system tracks these against the set limit[S5]. If spending approaches or exceeds limit, the user will receive notification[S6].

Use Case Continued:

Subflows:

- [S1] User navigates to the “Budget” section and selects “Set New Spending Limit”
- [S2] User enters monetary value for daily/weekly/monthly limit and confirms
- [S3] System updates the spending limit setting in the user’s profile
- [S4] User adds expenses by entering details (amount, category, etc.)
- [S5] System Calculates current spending against the set limit
- [S6] If spending approaches or exceeds 90% of the limit, a warning is sent to the user. If budget is exceeded, a different notification is sent

Use Case Continued:

Alternative Flows:

- [E1] If the user tries to set a spending limit without having a payment method or expense tracking source connected, the system prompts the user to add this information before setting the limit.
- [E2] If the user enters an invalid value (e.g., a negative number) for the spending limit, the system displays an error message and asks for a valid input.
- [E3] If the user does not input expenses, the system sends periodic reminders to track spending to ensure accurate budgeting.