BudgetPal: A Budgeting and Expense Tracker

Team Members:

- Seth Proctor, sethproc@iastate.edu

- Alexander Ryan, atryan@iastate.edu

Date: 02/21/2024

Table of Contents:

I. Introduction: We represent Team 119, comprising team members Seth Proctor and Alexander Ryan present our proposal to develop BudgetPal, a comprehensive budgeting and expense-tracking application. As students enrolled in the Construction of User Interfaces course, we recognize the importance of effective financial management and aim to create a user-friendly solution to assist individuals in managing their finances efficiently. This project will let us combine and integrate all the different languages we learned in this class into one interactive webpage.

II. Purpose of the Proposal: The purpose of this proposal is to outline the scope, objectives, and features of BudgetPal. By providing a clear overview of the project, we aim to seek approval and support for its development.

III. Goals and Objectives: Our primary goal is to develop BudgetPal as a reliable tool for users to track their expenses, set budgets, and gain insights into their financial habits. Objectives include:

- Implementing intuitive user interface design for ease of use.

- Incorporating features for expense categorization, budget setting, and transaction tracking.

- Providing comprehensive reporting and analysis features.

- Providing solutions to help individuals refine their budgets and spending habits.
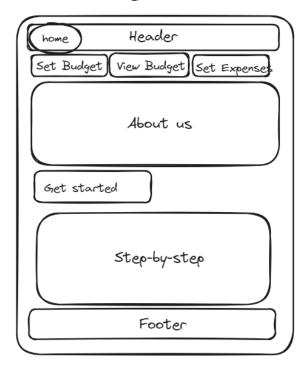
IV. Project Description:

Introduction to BudgetPal: BudgetPal is a web-based budgeting and expense tracking application designed to help individuals manage their finances effectively. With BudgetPal, users can easily track their expenses, set budget goals, and gain insights into their spending habits.
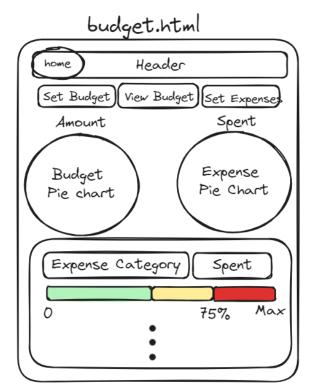
Features of BudgetPal:

- Dashboard Overview

- Expense Tracking

- Budget Setting and Monitoring

- Categorization of Expenses
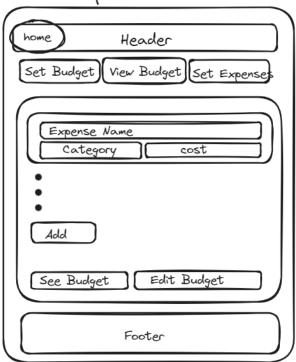
- Reporting and Analytics

Wireframes and Mockups: Bellow are wireframes and mockups illustrating the user interface design of BudgetPal. These visual representations provide a glimpse into the layout and functionality of the application.
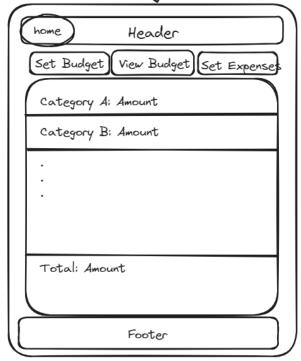
index.html

home | Header

Set Budget | View Budget | Set Expenses

About us

Get started

Step-by-step

Footer

budget.html

home | Header

Set Budget | View Budget | Set Expenses

Amount | Spent

Budget Pie chart | Expense Pie Chart

Expense Category | Spent

0   75%   Max

expenses.html

home | Header

Set Budget | View Budget | Set Expenses

Expense Name

Category | cost

Add

See Budget | Edit Budget

Footer

editBudget.html

home | Header

Set Budget | View Budget | Set Expenses

Category A: Amount

Category B: Amount

.
.
.

Total: Amount

Footer

V. Resources: For the development of BudgetPal, we plan to utilize the following resources:

- Development Tools: HTML, CSS, JavaScript, Bootstrap

- Collaboration Tools: GitHub

- Design Tools: Excalidraw

VI. Future Work: BudgetPal can be seamlessly integrated into the Final Project phase by expanding its features and functionality to cater to broader user needs. By incorporating user feedback and iterating on the design, BudgetPal can evolve into a comprehensive financial management solution.

Additional features:

- Goal Tracking: Setting and monitoring financial goals.

- Monthly and yearly reviews of budget and spending habits.

- Backend support using databases to store user information.

- Mobile Application: Developing a mobile version for on-the-go access.

VII. Final Comments: In conclusion, the development of BudgetPal aligns with our academic goals and objectives in the Construction of User Interfaces course. We are enthusiastic about the opportunity to create a valuable tool that empowers users to take control of their finances. Thank you for considering our proposal.