Members: Adam Fox, Diti Gupta, Jillian Bartz, Will Davidson, Logan Brown, Rishi Hancock

Team

Diti - Frontend and Backend

Jillian - Front End

Will - Back end

Rishi - Back End
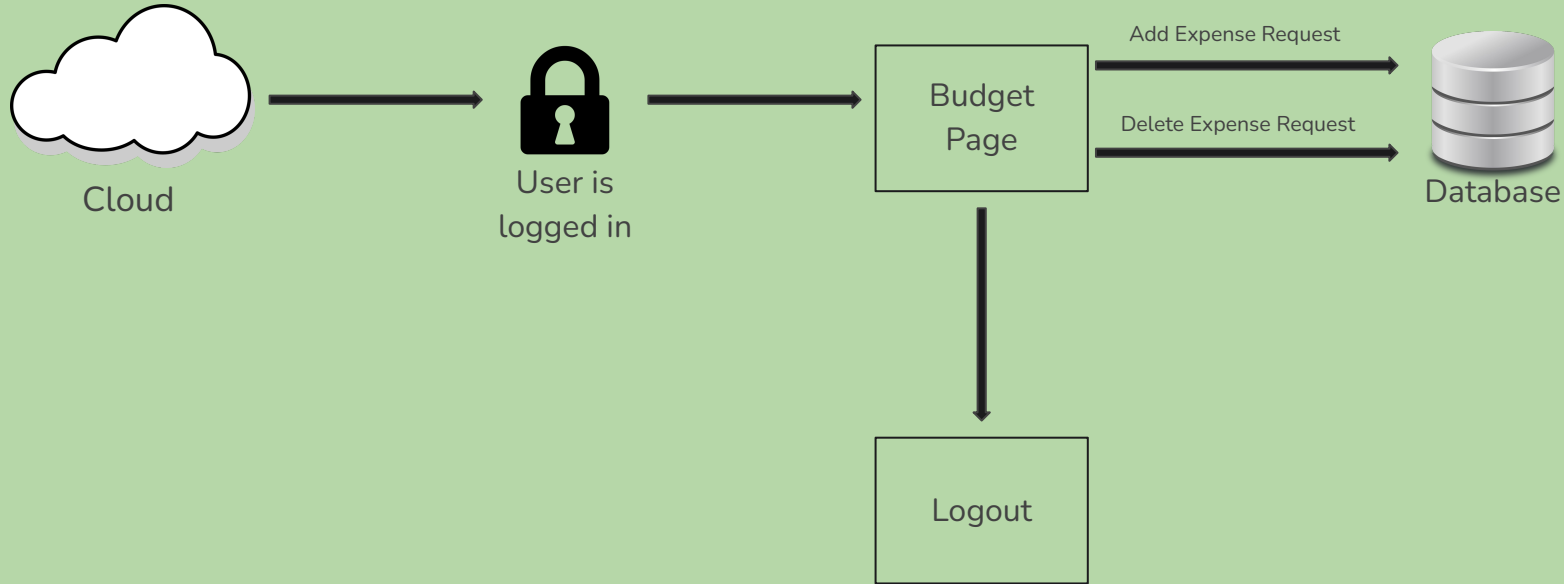
Adam - Front End

Logan - Back End

EZBudget

- Overview:
  - Track monthly income and manage budget
- Account and Access:
  - Create accounts to store personal budget info
- Income and Spending:
  - Input monthly incomes
  - Include spending categories (food, rent, etc.)
- Budget Summary:
  - Canvas.js graphs containing percentages of income
- Benefits:
  - Quick insight into spending habits
  - Simplifies budgeting without manual calculations
- Categorical Insights:
  - Breakdown of spending categories
  - Helps in future budget planning
- Progress Tracking:
  - Monthly tabs for overall progress
  - Monitor and improve budgeting habits

Tools Used

- Project Tracker: Github project board(★★★★★)
- VCS Repository: GitHub(★★★★★)
- Database: SQL(★★★★★)
- IDE: Visual Studio(★★★★★)
- UI Tools: HTML, EJS, CSS(★★ ★★ ★)
- Deployment Environment: Azure(★★★ ★)
- Testing Tools: Mocha, Chai(★★★★)
- Communication: Discord (★★★ ★)
- Additional Tools: Lucid Chart, Designs.Ai, CanvasJS(★★★ ★★)

Architecture Diagram

Cloud

User is logged in

Budget Page

Add Expense Request

Delete Expense Request

Database

Logout

Challenges

- Successfully adding user expense in the correct month and user account
- Github issues with divergent branches and merging from individual branches to main branch.
- Backend work became hard to navigate at times
- Struggles with database implementation
  - Had to change database more than once based on implementations for each month page and adding/deleting expenses for user
- Docker issues, and inserting data correctly into database
- Communication Gap

Live Demo

http://recitation-12-team-04.eastus.cloudapp.azure.com:3000/