



Budget Buddy

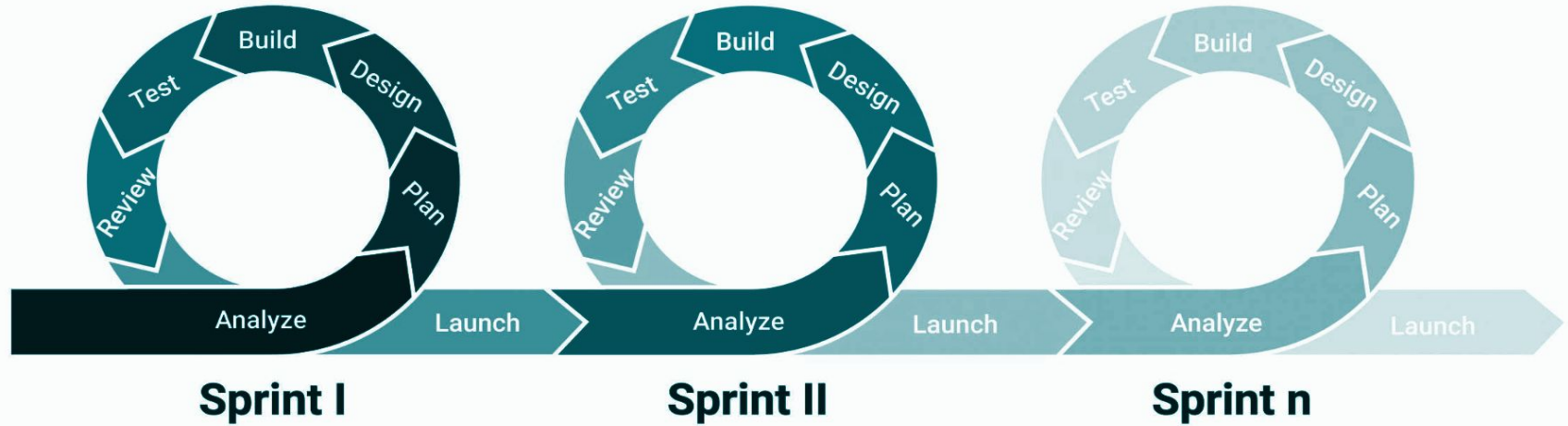
Team Members: Paige Burns, Calvin Deng, Maria Garcia Fraile,
Evan Ketellapper, John Le



PURPOSE: To help college students and young professionals budget their life.

FEATURES: Dashboard, Expense Tracker, Budget Setter, Savings Predictor, Financial Educational Resources Finder

Agile Methodologies



Tools Used

1



Project Tracker - Jira

Purpose: to track tasks that needed to be finished, allow team members to assign task to themselves, and track progress on overall project

RATING

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VCS Repository - GitHub

Purpose: to store all the code in a shared repository so that all team members could access and edit the code for the application

RATING

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Database - PostgreSQL

Purpose: to store data on users, including their username and password, list of expenses and incomes, and specific budget

RATING

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Tools Used

4



Deployment Environment - Local Host

Purpose: to host the application so that team members could build, deliver, monitor/analyze, and scale up the application

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IDE - Visual Studio Code

Purpose: to store all the code in a shared repository so that all team members could access and edit the code for the application

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Wireframe Design - Figma

Purpose: to initially visualize the design for the entire application, with several moveable parts

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Tools Used

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Framework - Node.js

Purpose: to connect the front-end of the application to the back-end and the database

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Docker

Purpose: to containerize our virtual environments

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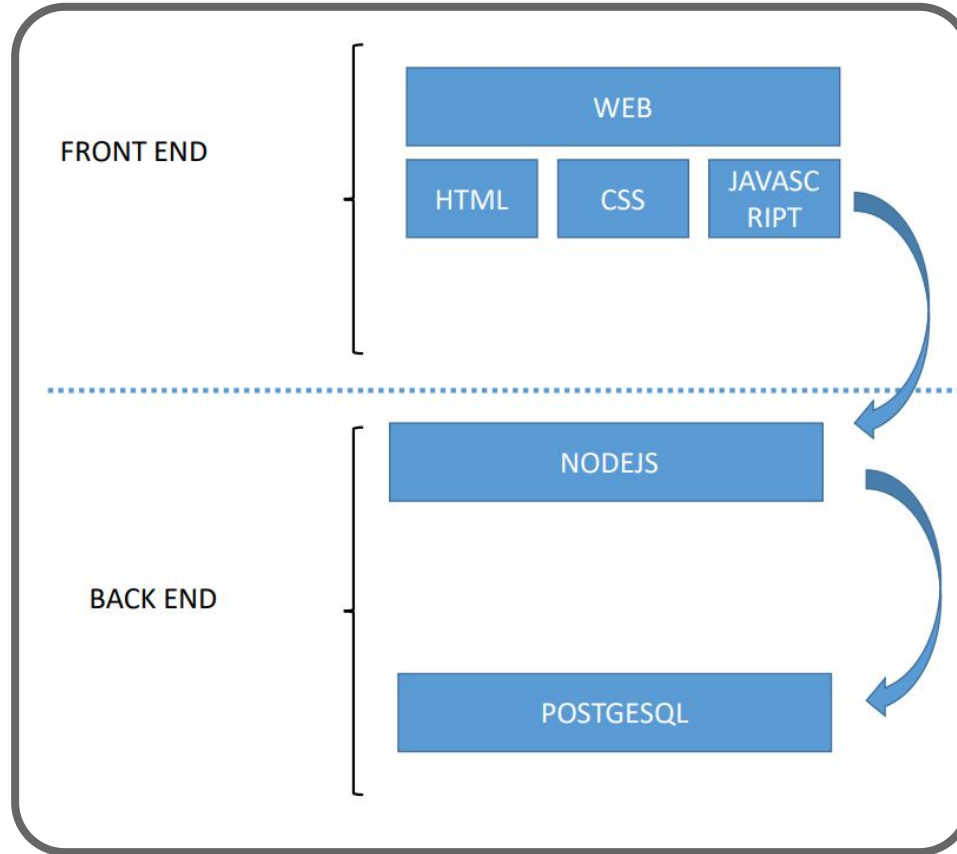
Libraries - BCrypt, Passport, and Chart.js

Purpose: to encrypt/protect sensitive information, identity access management, and data visualization

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Architecture Diagram



Database

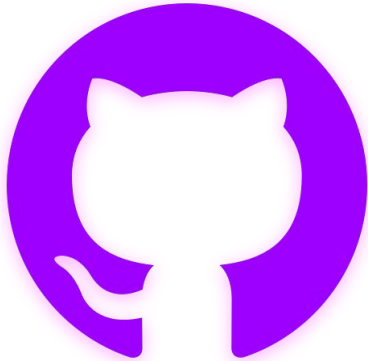
users_db	
PK	customer_id int NOT NULL
username VARCHAR(50) NOT NULL, fname VARCHAR(50) NOT NULL, lname VARCHAR(50) NOT NULL, email VARCHAR(500), user_password VARCHAR(100) NOT NULL budget INT	

transactions_db	
PK	transaction_id SERIAL PRIMARY KEY,
FK1	customer_id int NOT NULL
transaction_name VARCHAR(50), transaction_type VARCHAR(50) NOT NULL, transaction_date DATE NOT NULL, category VARCHAR(100), single_occurrence BOOLEAN NOT NULL, weekly_occurrence BOOLEAN NOT NULL, biweekly_occurrence BOOLEAN NOT NULL, monthly_occurrence BOOLEAN NOT NULL, amount FLOAT NOT NULL	

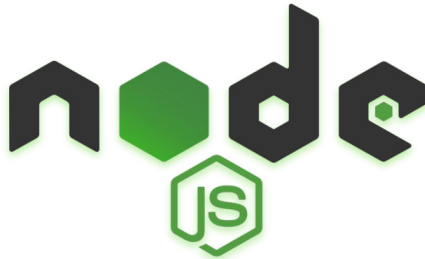
resources	
PK	resource_id SERIAL PRIMARY KEY
title VARCHAR(500) NOT NULL, link VARCHAR(500) NOT NULL, category VARCHAR(500) NOT NULL	

Challenges

GitHub



NodeJS



**Identity Access
Management**



