Team Name: 3Brown1White
Roster: Daniel Gelfand, Ahnaf Hasan, Mohammed Jamil, Jabir Chowdhury
Project Title: GreenBags
Project Manager: Daniel Gelfand

Budget Manager - Green Bags

Idea Summary

Users will be able to make an account and input their monthly income, monthly bills, and daily

expenditures. A graph will be constructed showing the percentage each expenditures takes away

from income. Tips will be suggested as to which products can be cut out to save money and meet

monthly goals.

Frontend framework: Bootstrap

3Brown1White has decided to use Bootstrap as its frontend framework due to its vast amount of

documentation and familiarity across all 4 team members.

Roles:

Daniel Gelfand: Construct frontend with forms for user inputs
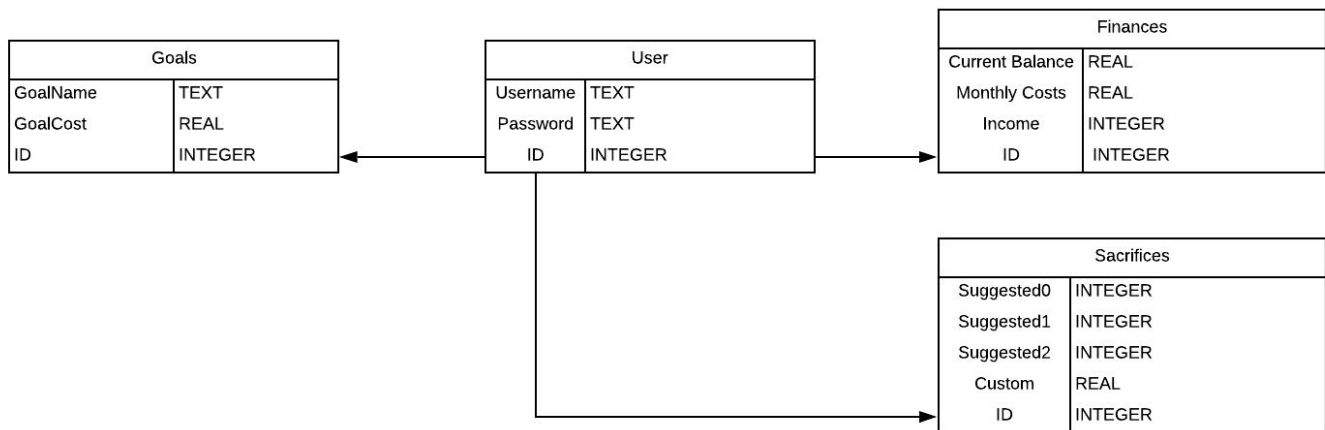
Ahnaf: Manipulate user inputs with JS

Mohammed: Handle d3 visualization

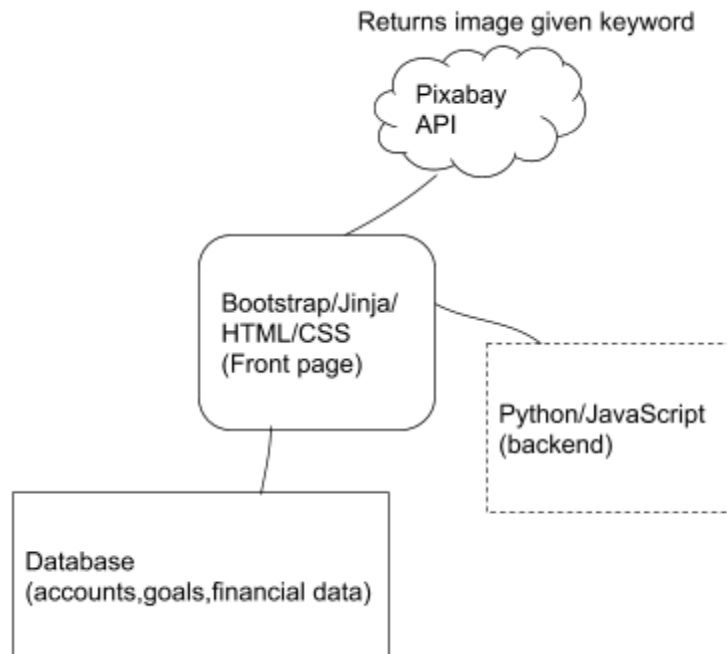Jabir: Handle account data, database management

Database Schema

We have the user table for authentication. The finances table is used store financial data about that user to be used in visualization. The goals is for things the user would want to buy and we will use this table to provide visualizations on how long it would take buy the item using information from the finances and sacrifices table. The sacrifices table stores boolean answers on whether the user cut down on the suggested items (we have not decided on exactly what items these will be), that a user can likely sacrifice, to get to their goal faster. The user can also put in a custom amount that they will attempt to give up.
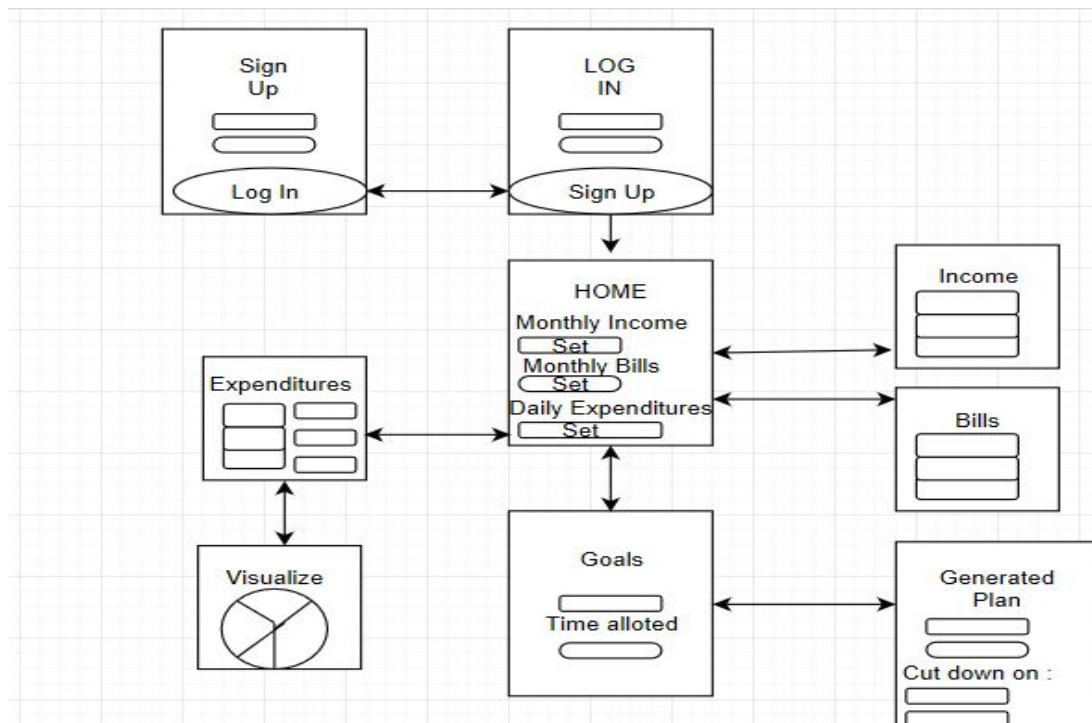
Mohammed Jamil | May 10, 2019

Goals	
GoalName	TEXT
GoalCost	REAL
ID	INTEGER

User	
Username	TEXT
Password	TEXT
ID	INTEGER

Finances	
Current Balance	REAL
Monthly Costs	REAL
Income	INTEGER
ID	INTEGER

Sacrifices	
Suggested0	INTEGER
Suggested1	INTEGER
Suggested2	INTEGER
Custom	REAL
ID	INTEGER

Component Map

Site Map

Visualizations will be done using D3.