

Team Name: 3Brown1White

Roster: Daniel Gelfand, Ahnaf Hasan, Mohammed Jamil, Jabir Chowdhury

Project Title: Save That Money!

Project Manager: Daniel Gelfand

## *Budget Manager*

### **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

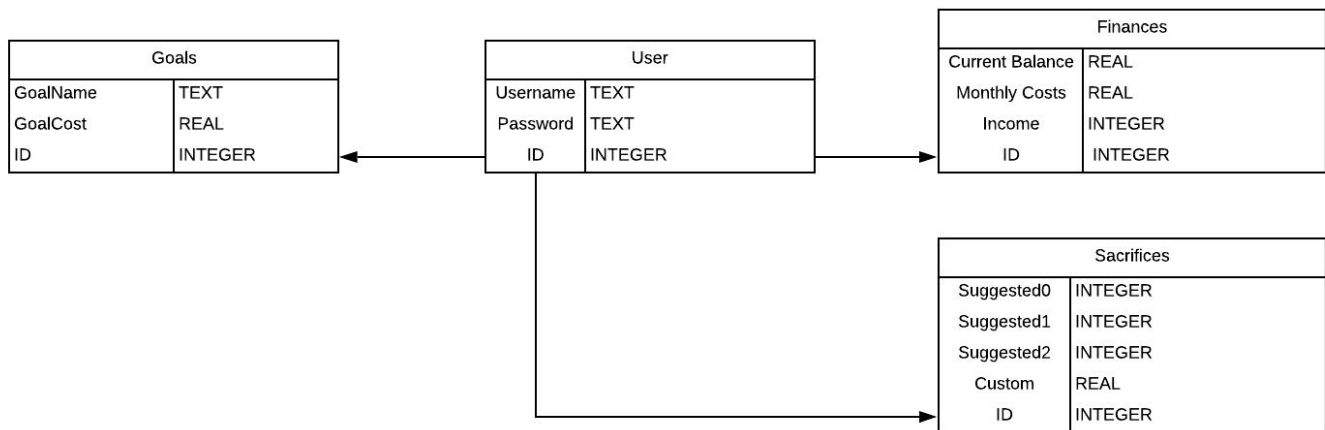
Mohammed: Handle d3 visualization

Jabir: Handle account data, database management

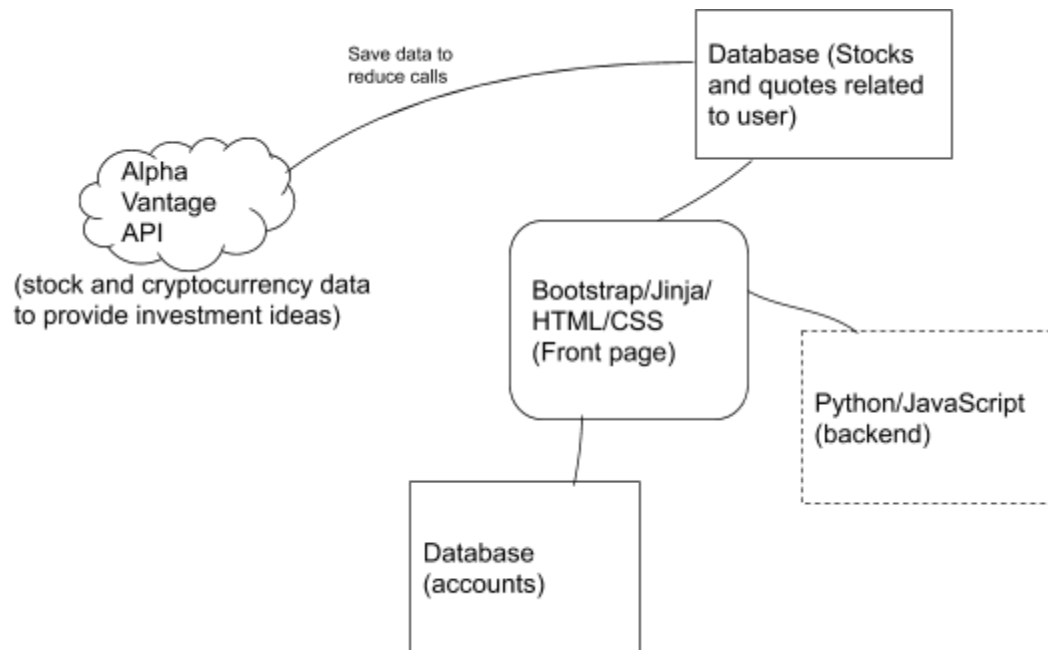
## Database Schema

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.

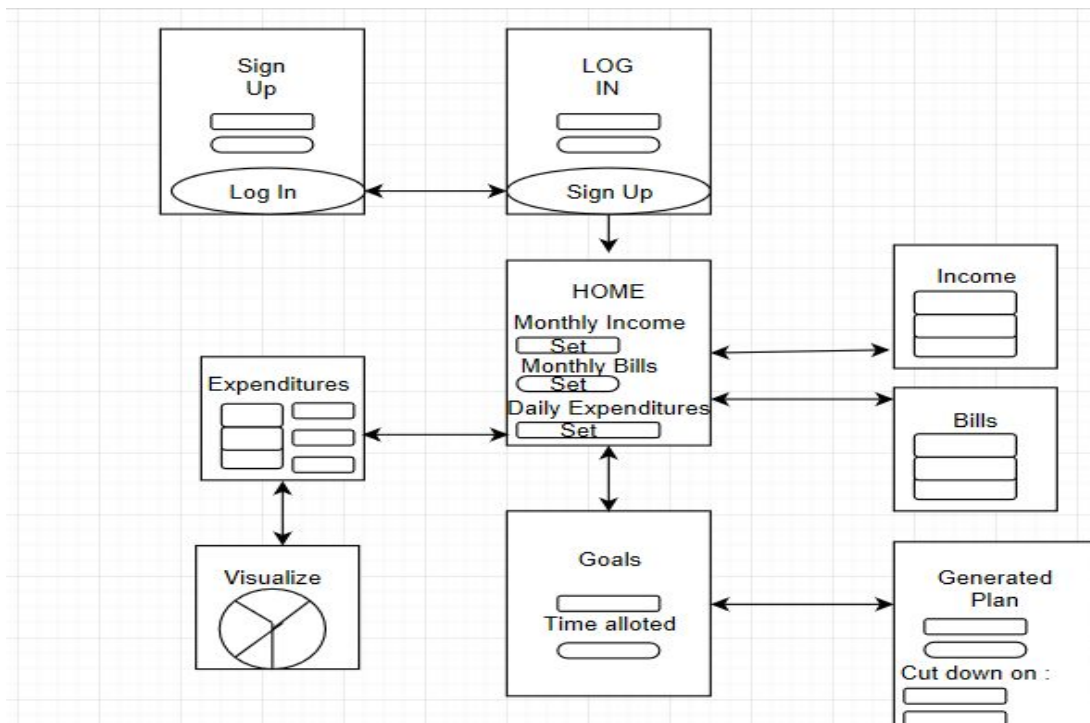
Muhammad Jami | May 10, 2019



## Component Map



## Site Map



Visualizations will be done using D3.