Senior Project Proposal

Team Name

- Team Financially Illiterate™

Team Member's Name

- Ryan Nixon
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- Kasey Bourdier

Business Opportunity/Problem

- Dealing with money is complicated. It is advantageous to have everything in one convenient place to track expenditures and savings easily. Our application will make it easier for individuals to keep track of their finances, whether it be monitoring expenses, savings, or bills.

Describe who your users will be.

- Our users will be individuals who need software to assist in their financial needs.

High Level User Requirements

User Account
Users will be able to register a new account
Users will be able to use account to login to website
Users will be able to recover account via email
Users will be able to edit account information
Account
Users will be able set/edit/delete bank accounts
Income
Users will be able to set/edit/delete their income (weekly/ bi-weekly/Monthly).
Expenditures/Bills
Users will be able to enter new purchases and track purchase history
Users will be able to set their monthly payments

Users will be able to track regular payments such as bills
Savings
Users will be able to track savings with interest
Users will be able to set interest rates for savings
Users will be able to set their monthly deposits to their savings account
Budget
Users will be able to define budget categories
Users will be able to categorize expenses
Users will be able to assign monthly value for each category
Reports
Users will be able to view graphical representations of their spending, savings and budget over time
Users will be able to view tabular representations of their spending, savings and budget over time

Technology that will be used

- MERN Stack
    - MySQL
    - Express
    - React.js
    - Node.js

High Level Database Architecture

- User Account credentials table
- Table for all expenditures
- Table for all Bills
- Table for Income
- Table for bank accounts
- Table for bank deposits
- Table for logged errors
- Table for user budget categories