

Product Scope

1.4

Budget Tracker! GoGoMoney! Website for money management to help keep track of bank account income and transactions for essentials like utilities and other spending with the benefit of helping the user save money. Users will enter their starting salary, then the system will ask for monthly expenses and other transactions; it will subtract these expenses from income received. Based on the user's spending, the website will notify them of their savings at the end of the month! The user can set preferences of how they would like to save money by selecting how much money they would like to stay under budget so then future transactions will alert the user if they are in the clear or if they should hold off on spending more.

Relevant Benefits include: insight into spending habits, capitol savings, setting savings goals.

Product Functions

2.2

Enter your financial Deets

- Insert current bank account money amount
- Insert regular occurring salary and the dates they're deposited
- Insert any other income (like tax returns, birthday, crypto)
- Insert recurring expenses (like rent, utilities, insurance, car payment, phone bill)
- Insert other transactions (groceries, dinner out, pet supplies, gas)

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Setting Financial Goals

- How much money would you like to save?
- Summary at the end of the month of money spent, received, and saved
- Notification of budget status

User Login

- Typical user login experience

Summary Dashboard

Wanting to incorporate a pretty pie graph to help the user see majority of money spend and spreadsheet that documents it all

Software Interfaces

3.3

JavaEE with dynamic web projects, MySQL, .jsp files, CSS, HTML
Server can be with DigitalOcean, tomcat, etc.

These are to be determined

System Features

4.1

Adding income: high priority, must know starting income for calculations

Please add your income after taxes _____, is this your regular occurring employment income? Is this a non recurring other income? Would you like to add any other additional incoming benefits

What is your current income as of today? Please enter the amount you have in your bank account

Documenting expenses: high priority, must know spending for savings calculations

Please enter regularly occurring expenses (such as phone bill, utilities, rent), a short title, and the category it falls under (business expense, home bills, phone, insurance, etc). Would you like to add more occurring expenses?

Please enter what you have spent today and a short title of the transaction and a category it falls under (such as essentials, vehicle expenses, dining, treatYOself) {treatYOself is spending on non essential fun stuff} The title of the transaction will go in the spreadsheet for documentation for the user to view when needed, the category will be placed in a database of its own to be placed in the graph of spending that month.

Categories for expenses are to be determined

Personalization: medium priority, will create personalized greenlight spending

*Please enter the amount of money you would like to save this month, how much money you would like left in your account at the end of the month (To be determined which question to use). This will calculate a round number of *discretionary income* the user has for that month, I will call it Greenlight Spending for now but can be changed*

The application will calculate how much money is left over based on the amount in account to the amount spent every time a new expense is added. This will also adjust the amount of Greenlight Money the user has left over to spend.

At the end of the month the application will notify the user of their cumulative spending, the pie graph depicting their spending, and a celebration of how much they saved!

Every time the user opens the application to the home page it will show the greenlight spending, and will ask did you spend something today? What was it?

Wanting to incorporate the pie graph as a constant so the user can see it whenever they want and it will always be up to date from the averaging of the spending input every time.

They will also be able to see the spreadsheet of transactions they've made from most recent to oldest.

Exceptions: If the user is getting close to the cap of greenlight money or have over spent it will show "looks like your greenlight money is running out, let's try to make dinner at home instead" or something nice like that.

4.2 User Login

Actors: User, server

Input: Username and Password

Output: home page

Normal Operations: The user will be prompted to either create a new account or login to an existing account, once the user selects their option they will be directed to a page with a username and password field, upon entering correct login credentials they will be directed to the home page

Exceptions: Incorrect Password, will clear password field and prompt user to re-enter password

4.3 Personalize Set Personal Financial Goal(s)

Actors: User, Server

Input: Amount to put away/save

Output: Final amount spent, saved number and income

Normal Operations: The user chooses how much They would like to save and the program will budget how much the user will be able to spend for that month.

Exceptions: Not sufficient income to save the amount selected.

4.4 Enter in Expenses & Income

Actors: User, Server

Input:

- Insert regular occurring salary and the dates they're deposited
- Insert current bank account money amount
- Insert any other income (like tax returns, birthday, crypto)
- Insert recurring expenses (like rent, utilities, insurance, car payment, phone bill)

Output: Information into the database

Normal Operations: When the user logs in for the first time the website will prompt the user for the data listed above, once entered the server will redirect the user to the home page. The website will also have a button if the user would like to edit the information they have entered

Exceptions: Incorrectly filling the form, won't move to the next page, will ask user to enter missing or re-enter bad data.

4.5 Summary Dashboard

Actors: actors here

Input: bullets here

- data from user database
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Output:

- pie chart for current month
- pie cart for entire record history
- ledger with recent and upcoming expenses
- line chart showing “trends”

Normal Operations:

- user provided with overview of their current finances
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Exceptions:

- no data to display if user has not entered data
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4.X Feature Desc

Actors: actors here

Input: bullets here

Output: text here

Normal Operations: describe normal ops here

Exceptions: describe exceptions here