

Software Requirements Specification

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Introduction

Purpose

- To assist users with the record-keeping of expenses and suggest budget percentages per category cost and savings/investments amounts as well as calculating net income.

Intended Audience

- Myself and any others who may need this documentation.

Intended Use

- To have a general overview of the application and its development.

Definitions and Acronyms (Risk)

- The application does not have any risk factors other than user misuse and the amount of misrepresentation from user misuse.

Scope

"Create an application that can establish a budget(s) depending on various categories. Food, clothing, housing, transportation, debt, entertainment, insurance, utilities, and savings are such categories. Each category should be able to contain a total amount along with a description. Each category should also contain expenses, for example, an expense of food would be bread. These expenses should have an amount attached which would add to the total for the category. The total budget will contain the total costs of all the categories and the total income available. The total budget will also compute the money left over, along with a recommendation on how much to save/invest according to previous specifications. The application will allow the user to add sub-costs according to a certain category such as buying bread for \$3 under the food category. The application will then incorporate that into the budget and adjust the savings/investment calculation."

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System Features and Requirements

Functional Requirements

1. R1. The system shall allow the user to add budgets.
2. R2. The system shall allow the user to add categories to budgets.
3. R3. The system shall allow the user to add and remove expenses based on a category.
4. R4. The system shall allow the user to edit previously added expenses.
5. R5. The system shall allow the user to specify how much of their available income they would want to invest.
6. R6. The system shall allow the user to input their net income.
7. R7. The system shall keep a log of previously added expenses.
8. R8. The system shall recommend a percentage to each category according to a popular recommendation. (Arbitrary)
9. R9. The system shall tell the user how far their percentage of each category is according to a popular recommendation.
10. R10. The system shall calculate, based on net income and overall budget costs, the total available income after costs and recommended income to put into savings/investments.

External Interface Requirements

- Since this will be a stand-alone application there will be no external software to worry about.

System Requirements

- The only system requirements that come to mind are the UI libraries that exist in the language I choose to do this in. Along with Windows as the OS of choice.

Non-Functional Requirements

1. R1. The system will perform at least at a set speed (although there is no complicated algo's so this won't be an issue hopefully.)
2. R2. All system functionalities shall be within 4 clicks of the user's input.
3. R3. The system shall perform in a desktop environment.
4. R4. The system shall not crash with extended use.