Makaela Crookes, Jered Angous, Tyson Charles, Brenden Matteson
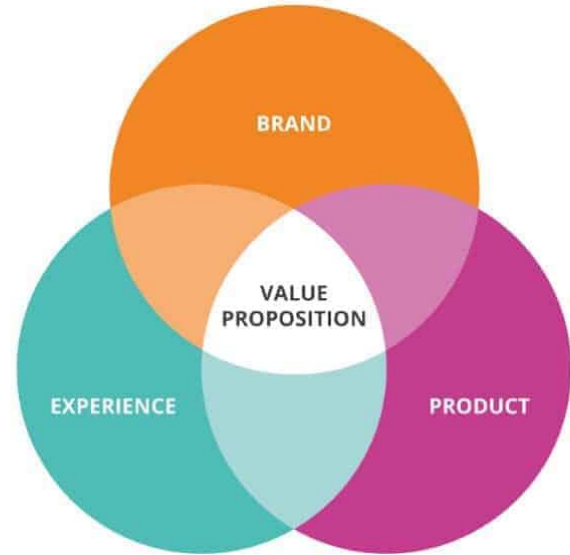
Problem Statement

The problem of poor money management that affects young adults and college students; the impact of which is not having enough money for necessities or savings and falling into debt.

Value Proposition Statement

We help young adults manage their finances with ease by providing a simple, intuitive budgeting platform that tracks spending and helps them stay on top of their financial goals.
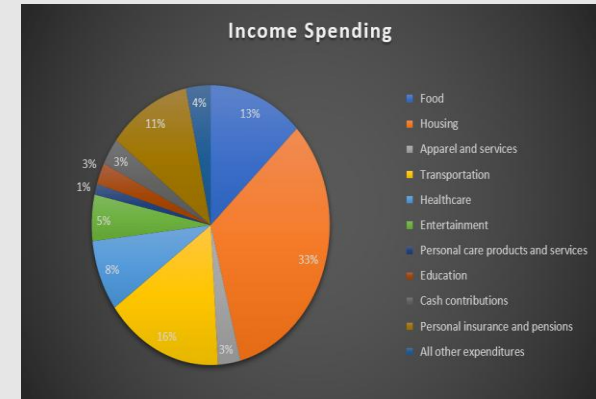
User Stories

"As a 20 year old who has a hard time saving money, I want to be able to visualize my spending habits so that I can refine them to be able to save more."

"As a full-time worker, I want to see how much money I spend on non-essential items, so that I can save more money."

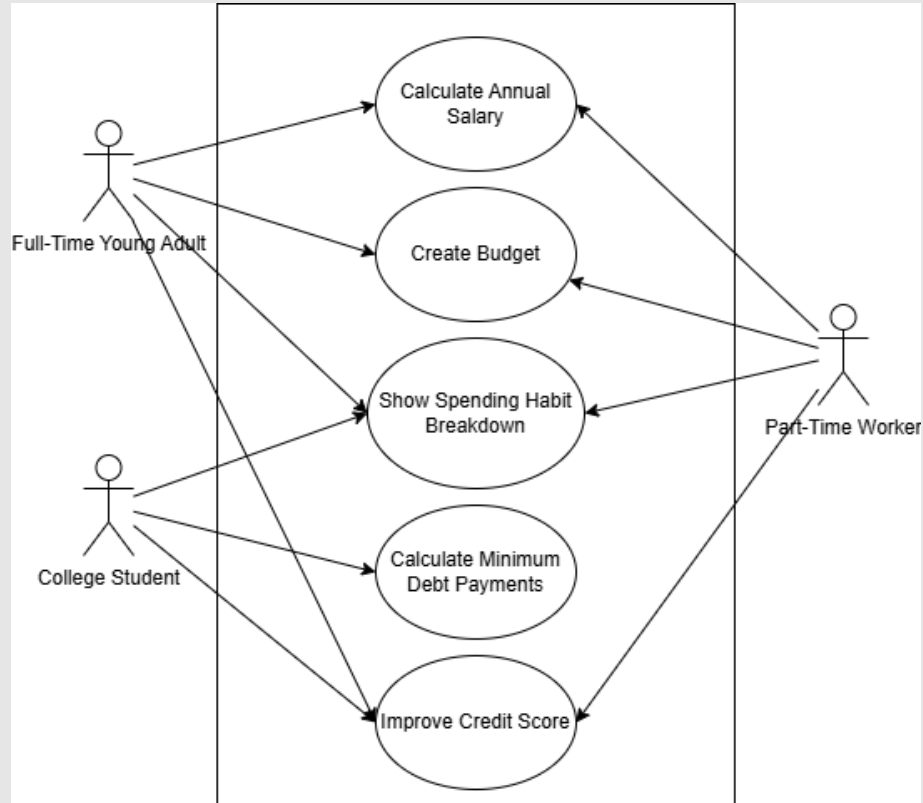"As a college student, I want to set spending limits on different categories like food and housing so that I don't overspend on different categories."
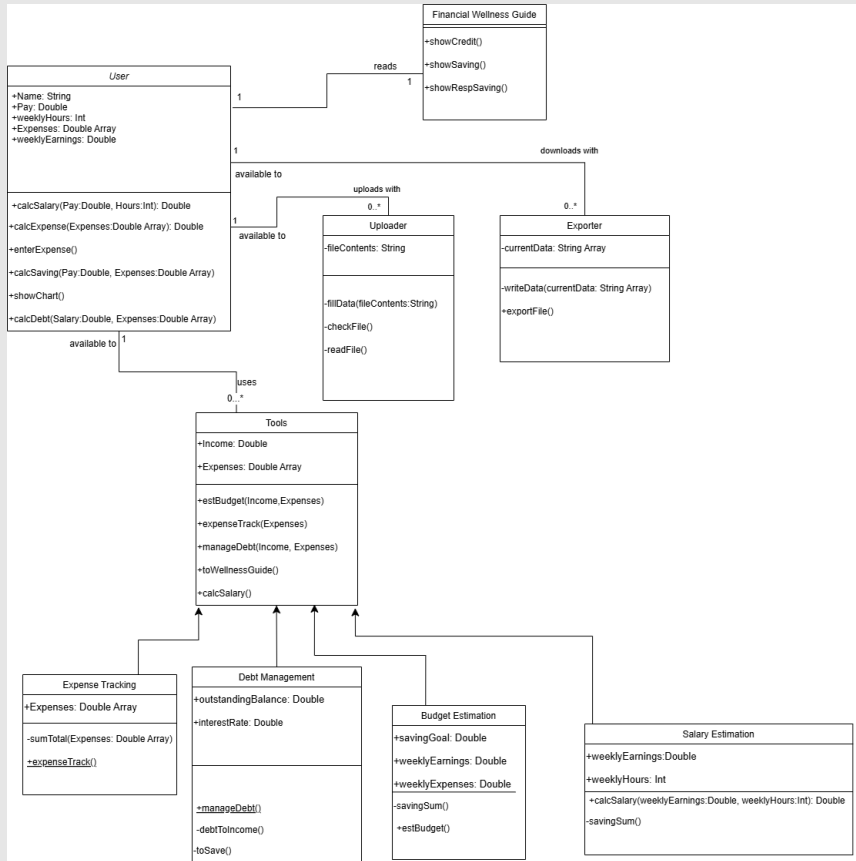
Functional Requirements

1. Calculate estimated annual salary
2. Financial Wellness Guide on how to build credit, save money, etc.
3. Show a breakdown of the user's spending habits
4. Calculate the minimum payments for users in debt.

Use Case Diagram

UML Class Diagram

Financial Wellness Guide
+showCredit()
+showSaving()
+showRespSaving()

reads

User
+Name: String
+Pay: Double
+weeklyHours: Int
+Expenses: Double Array
+weeklyEarnings: Double

+calcSalary(Pay:Double, Hours:Int): Double
+calcExpense(Expenses:Double Array): Double
+enterExpense()
+calcSaving(Pay:Double, Expenses:Double Array)
+showChart()
+calcDebt(Salary:Double, Expenses:Double Array)

available to

uploads with

downloads with

available to

Uploader
-fileContents: String

fillData(fileContents:String)
-checkFile()
-readFile()

Exporter
-currentData: String Array

+writeData(currentData: String Array)
+exportFile()

available to

uses

Tools
+Income: Double
+Expenses: Double Array

+estBudget(Income,Expenses)
+expenseTrack(Expenses)
+manageDebt(Income, Expenses)
+toWellnessGuide()
+calcSalary()

Expense Tracking
+Expenses: Double Array

-sumTotal(Expenses: Double Array)
+expenseTrack()

Debt Management
+outstandingBalance: Double
+interestRate: Double

+manageDebt()
-debtToIncome()
-toSave()

Budget Estimation
+savingGoal: Double
+weeklyEarnings: Double
+weeklyExpenses: Double

-savingSum()
+estBudget()

Salary Estimation
+weeklyEarnings:Double
+weeklyHours: Int

+calcSalary(weeklyEarnings:Double, weeklyHours:Int): Double
-savingSum()

Thank you
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