Project 1 – Budget Tracker

Waqas Ali

Project Description:

The intent of this project is to develop a program that can keep track of the budget for a whole year. Every month the user will enter his/her data that includes income, expenses, and investments. There are income, expense and investment classes that will keep a log of that data. Budget class will have access to all user’s data through income, expense, and investment classes. Budget class has 8 methods to manipulate user’s data to get useful insights about monthly and yearly budget.

* Class: Income
  + Methods: monthly\_income
  + Attributes: net\_income (setup getter method to see value)
* month
* salary
* bonus
* HSA
* Class: Expense
  + Methods: monthly\_expense
  + Attributes: net\_expense (setup getter method to see value)
* month
* bill
* grocery
* medical
* travel
* other
* Class: Investment
  + Methods: monthly\_investment
  + Attributes: net\_investment (setup getter method to see value)
* month
* stocks
* crypto
* property
* RSU
* SPP
* 401K
* Class: Budget
  + Methods: money\_in (month or year), money\_out (month or year), monthly\_expense\_target, monthly\_investment\_target, cash\_flow (month or year), net\_worth, liquid\_assets, net\_investment
* year
* stocks
* crypto
* property
* RSU
* SPP
* 401K

Budget Class

Budget

February

March

April

May

January

October

July

August

September

December

November

June

Income

Investment

Expense

HSA

Bonus

Grocery

Medical

Travel

Other

Bill

RSU

Stocks

Crypto

Property

401K

SPP

Salary

Income Class

Income

February

March

April

May

January

October

July

August

September

December

November

June

Salary

HSA

Bonus

Expense Class

Grocery

Medical

Travel

Other

Bill

Expense

February

March

April

May

January

October

July

August

September

December

November

June

Investment Class

Investment

February

March

April

May

January

October

July

August

September

December

November

June

RSU

Stocks

Crypto

Property

401K

SPP

Add manager class that will talk to the user …