

Abstract

1. Expense Tracker. Domain: data science.
2. Libraries : Matplotlib, Pandas, HashLib, tkinter for GUI

The project will be a bot that keeps track of expenditure and balance, and can show the variation of expenditure across time (in years).

I intend to define functions that take in input, in expenditure per day or such, and functions that can return plots of several types based on the inputs. Also, it can store values of investments in various domains, and return the gains in those depending on the inputs from the user (No predictions!).

This can prove to be helpful in keeping track of finances in general, and may be improved to include mechanisms by which it can make predictions about gains in investments..

Learnings :

I may need to learn tkinter, to form a GUI.

Also, this will help me get a firm grasp on Matplotlib and pandas, since I will be working with various plots.

Motivation :

Nothing as such. Just an idea I got from related ideas on the internet.

Do's (Timeline) :

- 1) Create a table to store Name, Password and balance :: 1/7 to 6/7
- 2) Create a table to store the expenditure per week :: 1/7 to 6/7
- 3) Create GUI (using tkinter) :: 6/7 to 10/7

→ Please provide a week's extension, since I have endsems.