Abstract

The project is to build an expense tracker, which allows the user to enter their regular expenses and displays that data in visual forms to help the user manage and regulate their spending.

This comes in the domain of data science and data analytics. We intend to create a database for our expenses, a GUI for entering and deleting the expenses, and some visual representation of the relevant data.

The main features we plan to incorporate:

- A simple medium for the user to enter their daily expenses,
- A database to store them for future reference
- Graphical displays for the user to have a visual aid for easier tracking.

The libraries that will be used are as follows:

- ❏ Sqlite
- ❏ Pandas
- ❏ Matplotlib
- ❏ Tkinter for GUI

The database we will use is sqlite, with the GUI in tkinter and data manipulation using pandas. Matplotlib will be used along with GUI tools for the visual representation. Week 1 will be used for learning the various libraries to be used for the project, and to set up the database functions, while week 2 is allotted for the GUI and data representation.
For this project, we will need to additionally learn how to handle databases in sqlite, how to make GUI using tkinter, and how to actually integrate the two.

This project was motivated by a need for an app to regulate our expenses as we enter college and need to track and manage our money on our own.