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New Project Live!

Personal Expense Tracker

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Introduction

My name is Kehinde Adeniran, and I am a data science student at SAIT. For some time now, I have been learning and using Python for data analytics, data preprocessing, and machine learning at scale. Although I had never fully explored Python for programming before, it has now become an essential part of my skill set. Out of curiosity, I decided to revisit and learn the fundamentals of the language. Recently, I completed CS50's Introduction to Programming with Python offered by Harvard online.

This document outlines the thought process behind my final capstone project for the course. As a student, I keep track of various notes, particularly regarding how I spend my money, for accountability purposes. For this project, I developed a Python program that helps users monitor their daily expenses and provides insights into their spending habits.

Project Overview

The software allows users to log, categorize, view, edit, and even delete their expenses using a simple command-line interface. The program stores data in a CSV file and largely requires no advanced setup.

What this Project Does

This Expense Tracker allows you to record your daily spending, view all your expenses neatly, and organize your money better. It runs in the terminal and uses a CSV file to store your data, no database or fancy setup required!

Key Features

The following are the actions users can take using this tool.

1. Add a new expense.
2. View all recorded expenses in a table format.
3. Edit existing expense (by row).
4. Delete a wrong or outdated expense.
5. Data is saved automatically in a CSV file.

How It Works

I built this using basic Python features like csv, os, and loops. I also used the tabulate library to make the output look clean in the terminal. This project helped me understand file handling, functions, and how to write simple, readable code.

How to Run it

If you're as interested in this tool as I am, tick the list below to run it.

1. Download the file or clone this repo.
2. Make sure Python is installed.
3. Run the program in your terminal. (i.e. “python expense_tracker.py”)

Conclusion

As someone new to Python, I wanted to build something simple but useful. An Expense Tracker felt like the perfect project. This project taught me that coding isn’t just about writing commands, it’s about solving real problems step by step. It helped me grow more confident using Python and motivated me to keep learning and building.