

 PyCoders presents:

EXPENSE TRACKER

Track your way to Smarter Spendings !!!

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CORE MEMBERS

THE PEOPLE WHO WORKED ON THE PROJECT



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Backend Developer
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Logic Implementation
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INTRODUCTION

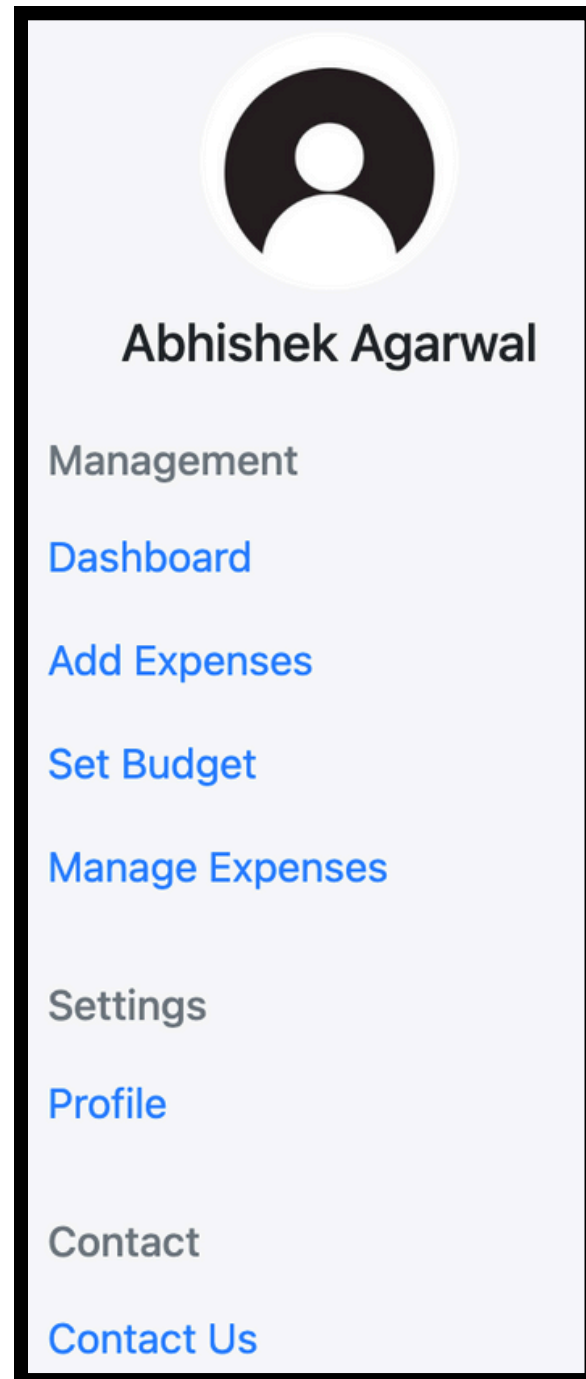
Expense Tracker is a Python based application that will enable the users to record their expenses, categorize them and show report of their expenses. It uses the inbuilt libraries of Python like Flask for UI and sqlite3 for Database handling.

This project aims to provide users a simple tool to manage their income and expenses, in that way it helps them take charge of their finances. It is a solid entry-point for people trying to track their spending, plan their money goals and eventually save more effectively.

MANAGE your EXPENSES



KEY FEATURES



MANAGEMENT

- **DASHBOARD :** GRAPGHS DISPLAYING CATEGORICAL AND MONTHLY EXPENSES.
- **ADD EXPENSE:** ASSERT YOUR DAILY EXPENSES.
- **SET BUDGET:** SET A LIMIT TO KEEP YOUR EXPENSES UNDER CONTROL.
- **MANAGE EXPENSE:** CONTROL ALL THE EXPENSES.



SETTINGS

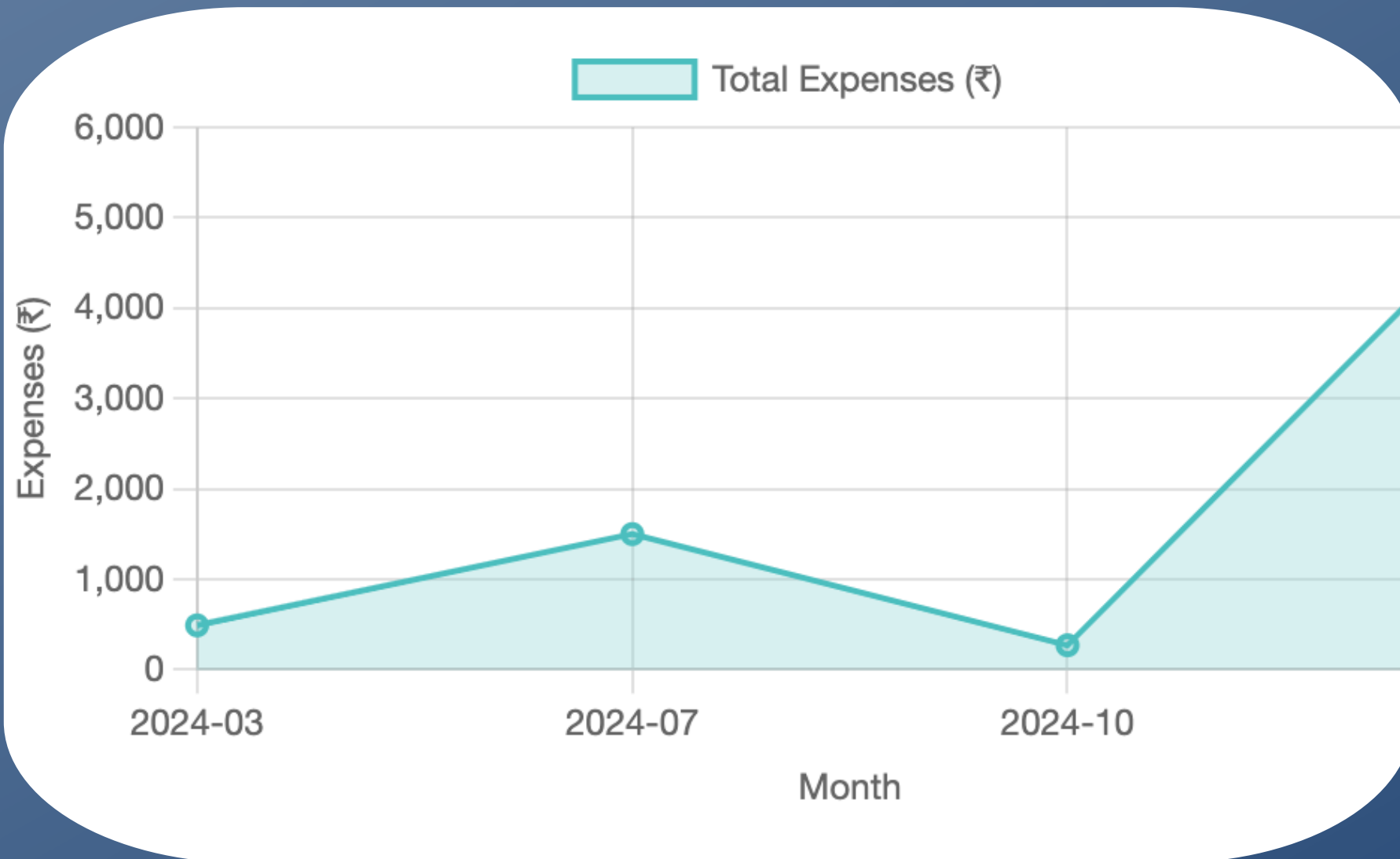
- **PROFILE:** EDIT AND ADD DETAILS OF THE USER.



CONTACT

- **CONTACT US:** CONTACT THE MEMBERS AND FILLTHE FORM TO PROVIDE FEEDBACK.

PROJECT DESCRIPTION



Add Expense

Date



Category

Amount

A summary of all recorded expenses over a given time period gets displayed in form of line and bar graphs. The app also features the Breakdown of how much the user has spent in each category over time.

Users can create custom categories and tag each expense accordingly to make the tracking process more organised and meaningful. Also, they can set monthly or weekly budgets for different categories.

PROBLEM SCOPING

In today's financial landscape, individuals often struggle to track and manage their daily expenses. This makes it challenging to budget, set money aside and decide what you can afford without the means to track your spending. Many available tools are either too complex, expensive or lack options for personal budgeting needs.

Why is the Python-Based Expense Tracker the Right Solution ??



Simplicity and Accessibility: Unlike many complex or paid tools, this tracker is user-friendly.



Data Privacy: The application stores data locally on the user's device.



Better Insights: Shows visual representations for better user experience.

SOLUTION APPROACH

The creation of a Python-Based cost Tracker App entails creating a system that can efficiently handle the core requirements of cost tracking: expense entry, categorisation, budgeting, reporting, and analytics.

REQUIREMENTS GATHERING

- **Expense Tracking:** Users need to log expenses with essential details like amount, category, date, and description.
- **Reporting:** Generate reports (summaries, trends) and offer basic visualizations of spending patterns.

TECH STACK & TOOLS

- **Programming Language:** Python
- **Libraries:** SQLite for local database storage. A lightweight, server less database that's perfect for small-to-medium applications. It provides fast data access and allows for complex queries.

CORE FUNCTIONALITY

- **Budgeting:** Users can set monthly budgets for specific categories
- **Categorisation:** The app comes with a set of categories in which one can check where the spendings are exceeding.
- **Report & Analytics:** Display a quick summary of expenses in form of graphs.

APPLICATIONS

Financial Planning

- Individuals can use expense tracker to forecast future financial behaviour based on historical data, allowing them to make informed decisions about upcoming expenses.
- Users can track debts and payments, ensuring they stay on top of bills and minimise delays.

Benefit for Freelancers

- Freelancers can use expense tracking apps to record business-related expenses, such as travel, software, or office supplies. This helps ensure they can deduct business expenses during tax season.



Budgeting for Projects and Events

- Nonprofit organizations can use expense tracker apps to manage budgets for individual projects or fundraising events, ensuring that they do not exceed their financial limits and can achieve the desired impact.

Travel and Event Planning

- Individuals or groups planning a trip can use expense trackers to track flight, accommodation, food, and entertainment expenses. By doing so, they can avoid overspending and stay within their travel budget.

Household and Family Budgeting

- Families can use expense trackers to manage their household budget, including groceries, utilities, childcare, and transportation. This ensures that family spending aligns with their financial goals and available income.

REFERENCES



SQLite in Python Documentation:

Python's sqlite module allows for easy storage of data.



Flask:

Flask is a lightweight Python web framework that makes it easy to create web applications.



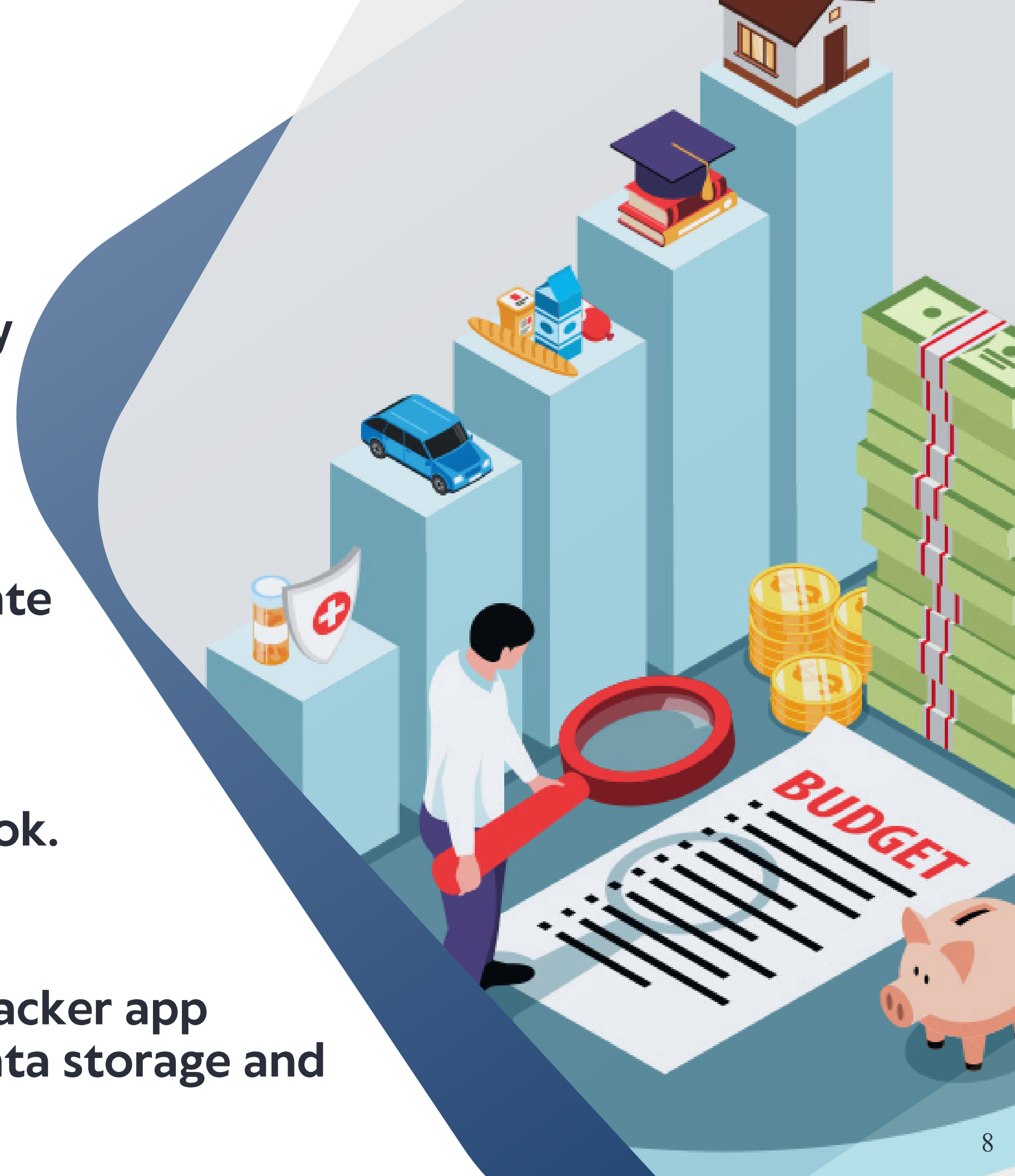
HTML & CSS:

For interface development and outlook.



GitHub - Simple Python Expense Tracker

Looked for a basic Python expense tracker app hosted on GitHub, using SQLite for data storage and a CLI interface.



Thank You !!