**Project: Personal Finance Tracker**

**Goal:** Develop a Python-based Command Line Personal Finance Tracker to help users manage their finances effectively, track expenses, and set financial goals.

**Day Plan**

**Week 1: Research and Planning**

* Define specific goals for personal finance research.
* Compile a list of reputable financial management resources.
* Allocate dedicated time slots for researching various budgeting and expense tracking methods.
* Reflect on research progress and adjust goals accordingly.

**Week 2: Learning and Exploration**

* Complete online courses or tutorials on personal finance management principles.
* Supplement learning with practical exercises, such as creating sample budgets or expense tracking spreadsheets.
* Engage with online forums or communities to gain insights and tips from others’ experiences.
* Allocate time for hands-on exploration of financial management tools or software.

**Week 3: Initiate Development**

* Plan the architecture and features of the Personal Finance Tracker thoroughly.
* Set up the basic structure of the program with modularity in mind, focusing on features like expense logging, budget tracking, and goal setting.
* Research and understand required Python libraries and modules for financial calculations and data visualization.
* Document the initial implementation and any encountered challenges.

**Week 4: Development and Usability**

* Implement additional functionalities based on the planned architecture, such as automated expense categorization or goal progress tracking.
* Refine the command-line interface for improved usability, ensuring clear prompts and informative feedback messages.
* Conduct usability testing with potential users to identify areas for improvement in navigation and user experience.
* Incorporate feedback from testing to make necessary adjustments to the tool's design and functionality.

**Week 5: Testing and Reflection**

* Thoroughly test the Personal Finance Tracker to identify and address any bugs or errors.
* Reflect on the progress made throughout the week, considering both successes and challenges encountered.
* Document any unexpected issues encountered during testing and the strategies used to address them.
* Identify areas for further improvement and plan strategies for future development and refinement of the Personal Finance Tracker.

**Reflection:**

Monday:

Today, I focused on researching personal finance management methods and tools. I found it challenging to sift through the plethora of resources available, but by setting specific research goals, I was able to narrow down my focus. Reflecting on my progress, I realized the importance of prioritizing key concepts like budgeting and expense tracking for effective financial management.

Tuesday:

My exploration of personal finance continued today with a mix of learning and practical exercises. While completing online courses provided valuable insights, I encountered some difficulty grasping complex financial concepts. However, engaging with online communities and experimenting with budgeting spreadsheets helped solidify my understanding. Moving forward, I plan to allocate more time for hands-on practice to reinforce my learning.

Wednesday:

Today marked the beginning of developing the Personal Finance Tracker. While I made progress in planning the project's architecture and setting up the basic structure, I encountered challenges in integrating financial calculation functionalities. Despite these hurdles, documenting my progress and challenges will serve as a valuable reference for future development stages.

Thursday:

Advancing the development of the Personal Finance Tracker, I focused on refining the tool's usability and incorporating user feedback. Implementing additional functionalities like automated expense categorization proved challenging but rewarding. Usability testing revealed areas for improvement, particularly in terms of clarity and intuitiveness of the command-line interface. Incorporating feedback from testing will be crucial for enhancing the tool's user experience.

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Automatisk generert beskrivelse

Figure 1: shows some of the code used to build this financial tracker.

Friday:

Testing the Personal Finance Tracker uncovered a few unexpected bugs, but overall, the program performed well. Reflecting on the week's progress, I'm proud of the strides made in developing the tool, despite encountering challenges along the way. Documenting my reflections and lessons learned will guide future development efforts, ensuring continuous improvement and refinement of the Personal Finance Tracker. Overall, these weeks has been a rewarding journey of learning and growth as a developer.

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Figure 2: shows the finished product with the available menu to be able to perform said tasks and have a nice financial tracker for all expenses.

**Overall Reflection:**This week's project of developing a Personal Finance Tracker has been a rewarding journey, filled with learning opportunities and challenges. From researching and planning to coding and testing, each day presented new insights and experiences. Through setting specific research goals and engaging with online resources, I deepened my understanding of personal finance management principles. The development process posed its own set of challenges, from planning the project architecture to refining the command-line interface for usability. However, by leveraging feedback from usability testing and reflecting on encountered obstacles, I was able to overcome challenges and make significant progress in developing a functional tool. Overall, this week has not only enhanced my technical skills as a Python developer but also broadened my understanding of personal finance management. Looking ahead, I am excited to continue refining the Personal Finance Tracker and applying the lessons learned from this week's project to future development endeavors.

**Summary:**

Throughout the week, I embarked on a journey of developing a Python-based Command Line Personal Finance Tracker. The week started with thorough research and planning, followed by hands-on learning and exploration of personal finance management principles. Development commenced with setting up the project architecture and implementing core functionalities, with a focus on usability and user feedback. The testing phase uncovered unexpected bugs, but overall, the Personal Finance Tracker performed well. Reflecting on the week's progress, I've gained valuable insights into both personal finance management and software development. This project has not only honed my technical skills but also broadened my understanding of financial management principles. Moving forward, I am eager to refine the Personal Finance Tracker and continue growing as a developer.