Personal Finance Tracker

Your financial future, visualized today.

Overview/Introduction:

The **Personal Finance Tracker** is a web-based tool designed to help users manage their income, expenses, and budgets by uploading CSV files from their bank accounts.

- It automatically **processes** this data to provide insightful financial reports, helping users gain control over their spending habits, track income trends, and meet budgeting goals.

- This app is focused entirely on financial analysis, not handling actual funds.

Technologies that can be used?

- **Frontend:** HTML5, CSS3, JavaScript (React.js)

- **Backend:** Node.js with Express.js

- **Database:** MongoDB or PostgreSQL for storing user transactions and preferences

- **Data Processing:** Python or Node.js for parsing and categorizing CSV data

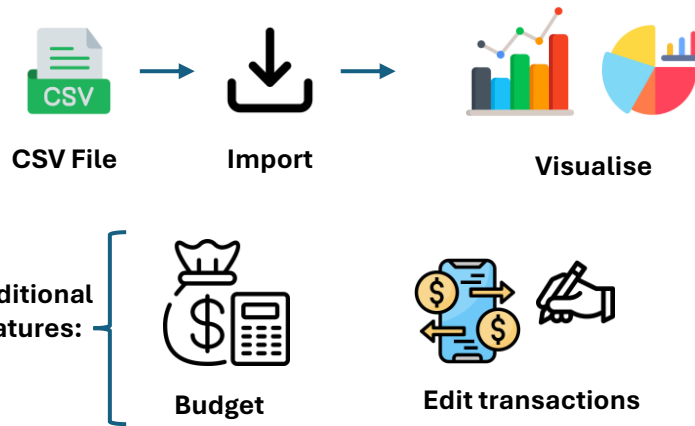- **AI Integration:** Python for predictive financial insights and categorization of expenses

Similar Apps / Existing Solutions:

- **Mint:** A well-known financial tracking app that connects directly to users' bank accounts, providing budgeting tools and spending insights.[1]

- **YNAB (You Need A Budget):** A budgeting tool focused on proactive financial management, helping users allocate funds to specific categories.[2]

The **Personal Finance Tracker** differs in that it is a lightweight tool requiring manual CSV uploads rather than direct bank integration, offering more control and security for users who prefer to handle their data themselves.

How it works?

CSV File → **Import** → **Visualise**

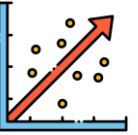**Additional Features:** **Budget** **Edit transactions**

AI Integration:

The app incorporates AI to enhance the user experience by providing **predictive financial insights**.

It analyzes historical spending and income patterns to forecast future expenses and suggest budget adjustments. AI is also used for **automatic expense categorization**, reducing the need for manual sorting and improving overall accuracy.

Summary:

The **Personal Finance Tracker** is a user-friendly, secure tool for individuals looking to manage their finances without needing to connect to their bank accounts if they don't want to. It provides valuable financial insights through visual reports and leverages AI to make expense tracking and budgeting easier. The app puts users in control of their data, focusing on simplicity, security, and powerful insights.

References

Flaticon, https://www.flaticon.com/icons [Accessed, Oct 2024

[1] Mint, https://mint.intuit.com/ [Accessed, Oct 2024

[2] YNAB, https://www.ynab.com/ [Accessed, Oct 2024]

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