

Fastest Coder Hackathon

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PROJECT REPORT

1. **Team Name:** The Technophiles
2. **Team Leader Name:** Keerthana J
3. **Team's contact no. and mail ID:**

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4. **Project Title:** Javascript - Personal Finance Tracker
5. **Problem Statement:** Create a web-based personal finance tracker using JavaScript, HTML, and CSS. The application should allow users to add, edit, and delete income and expense transactions and display the current balance. Use GitHub Copilot to guide you in implementing features, handling user input, and designing a responsive user interface.
6. **Tech Stack:**

Hardware requirements:

- Processor: Intel i5
- RAM: 3 GB (Minimum)
- Hard Disk Space: 5 GB (Minimum)

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Software requirements:

- Tech stack: MERN
- Front end : React
- Back end : MongoDB, Express and Node JS
- Browser : Chrome , Bing
- IDE : Visual Studio Code
- Operating System: WINDOWS 7 or above

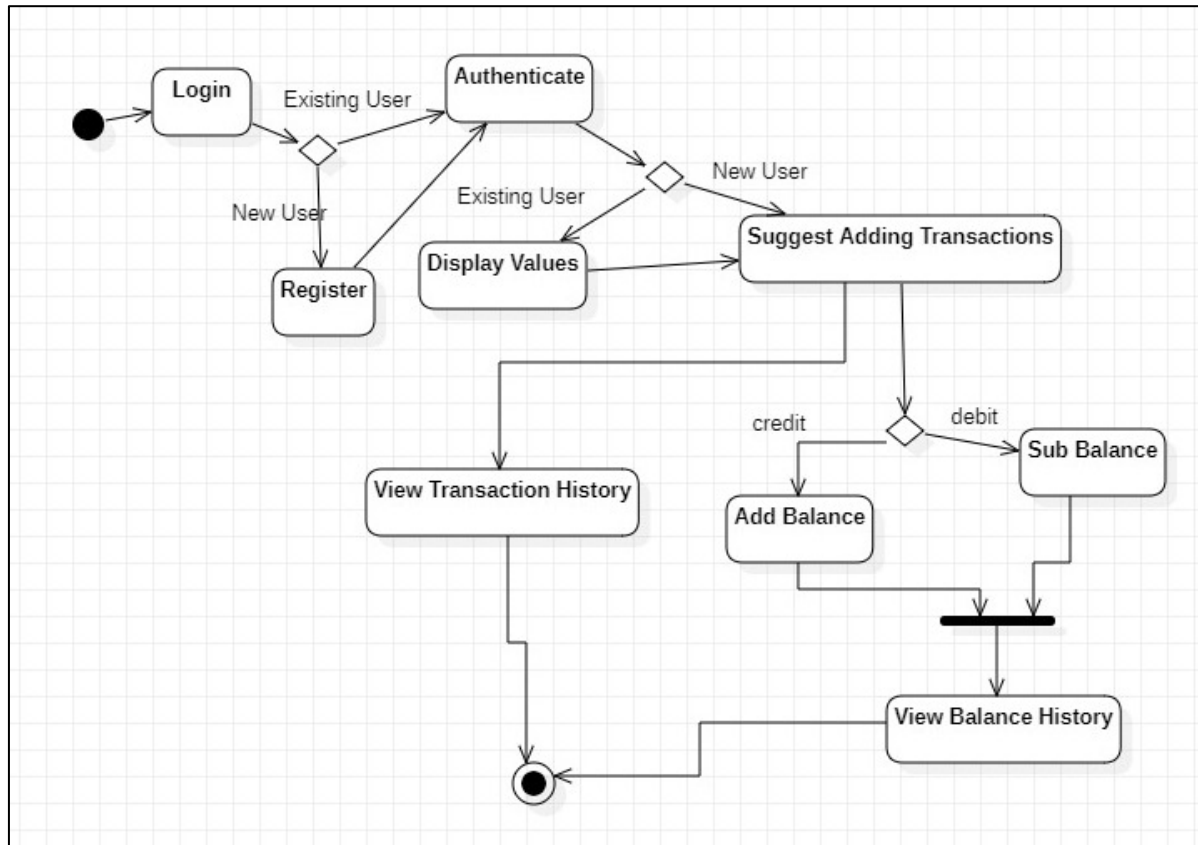
7. Brief Summary

- The project provides a good and simple user interface where the users can store their daily expenses.
- The transaction history can be accessed by the user to ensure his or her expenses and their current balance is being displayed.
- It integrates interactivity, ensures responsiveness, and maintains simplicity.
- The user must login through their credentials (username and password).
- They can add their expense by entering the description, amount and they have to choose whether it's a withdrawal or deposit.
- Once the user adds their expense it is stored in the MongoDB in the collection name Finance Tracker.
- The balance history can be displayed when we click View balance history.
- The recent expenses is being displayed along with the transaction id, description, mode of expense and the amount.
- This software will help the users know about their personal finance expenses, which will be very useful.

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8. Activity Diagram:



Activity diagram for Personal Finance Tracker



9. Project screenshots :

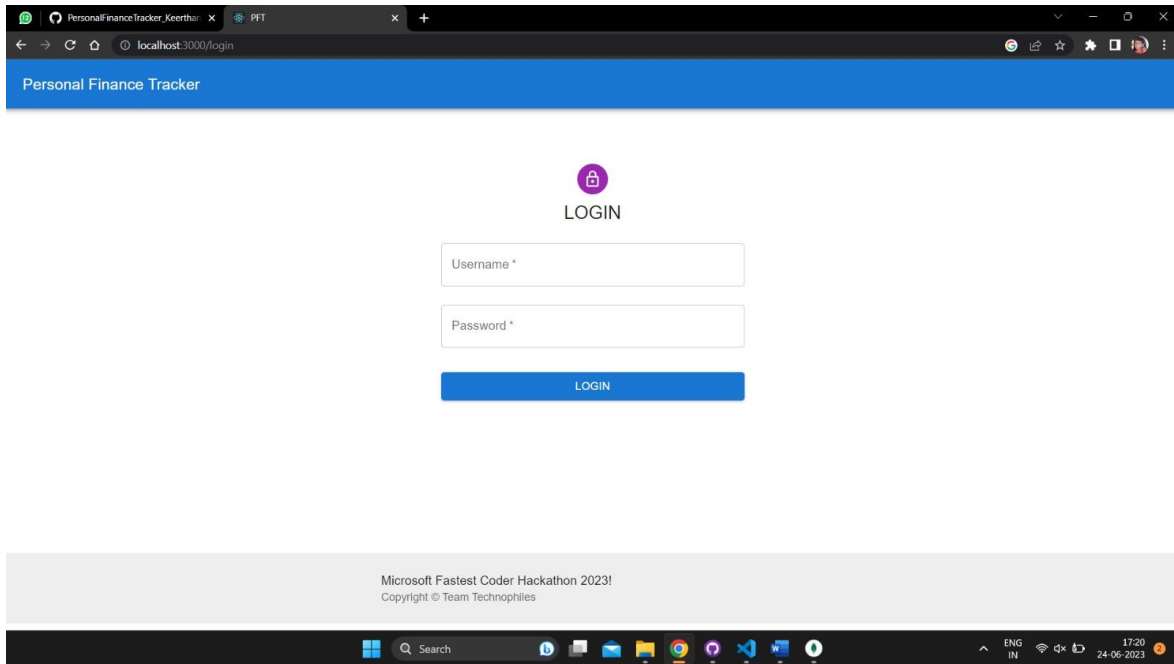


Fig 1 : Login page of the portal

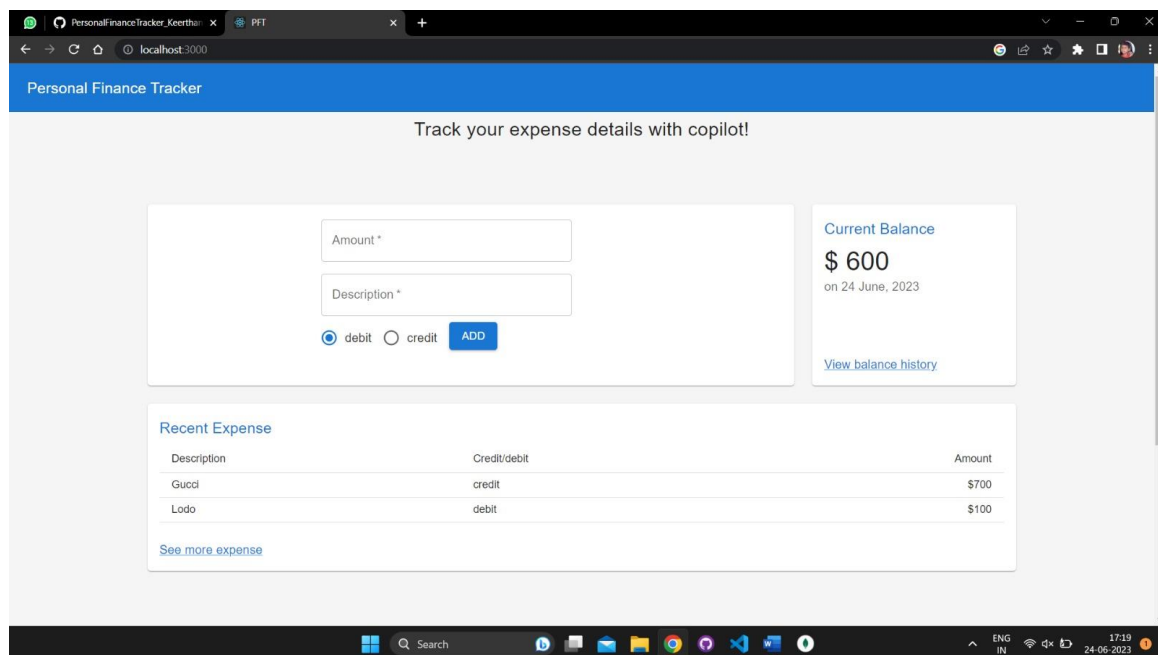


Fig 2 : Adding our expense and the current balance is being displayed

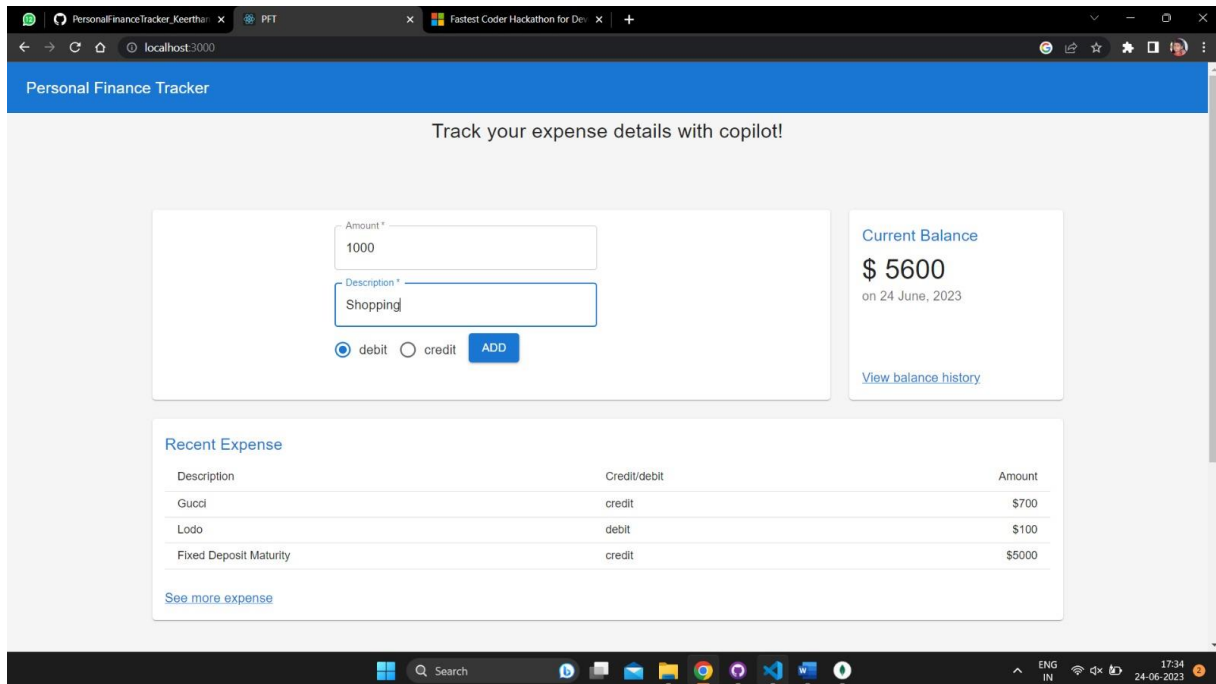


Fig 3: Adding an expense

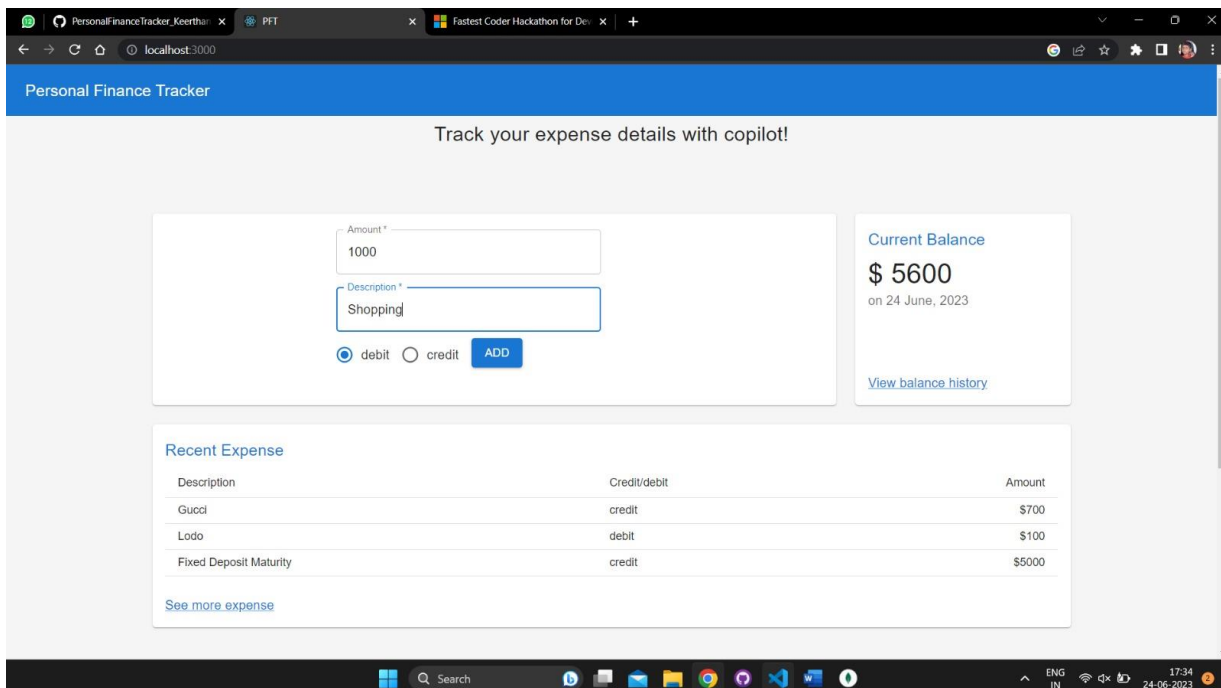


Fig 4: update in the current balance and the recent expense list is being updated

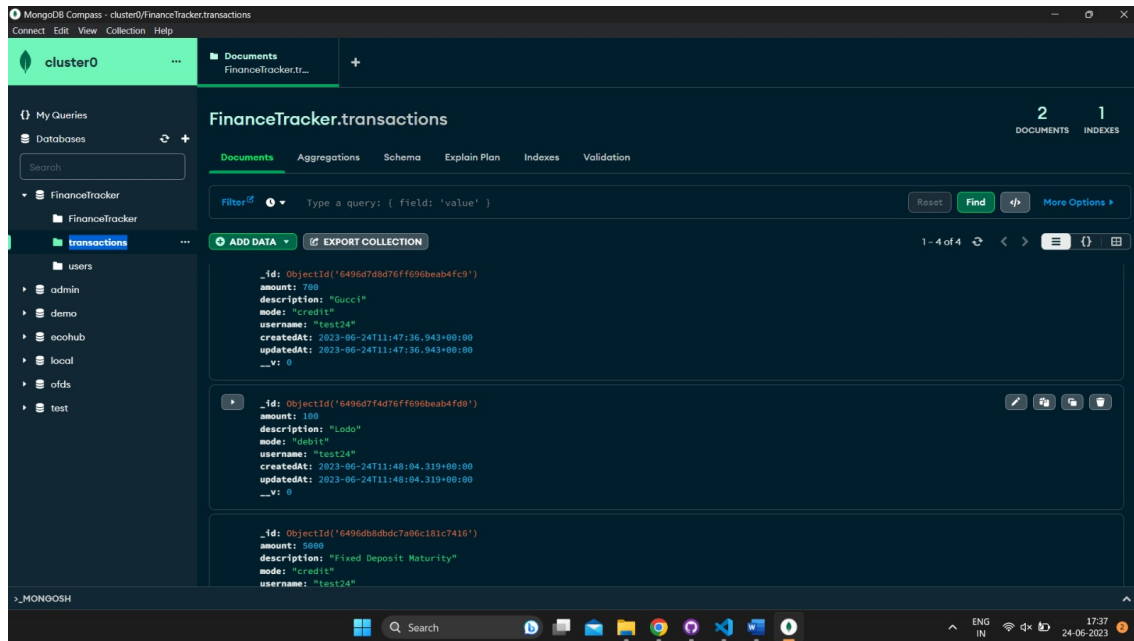


Fig 5: transaction collection in the Finance Tracker database

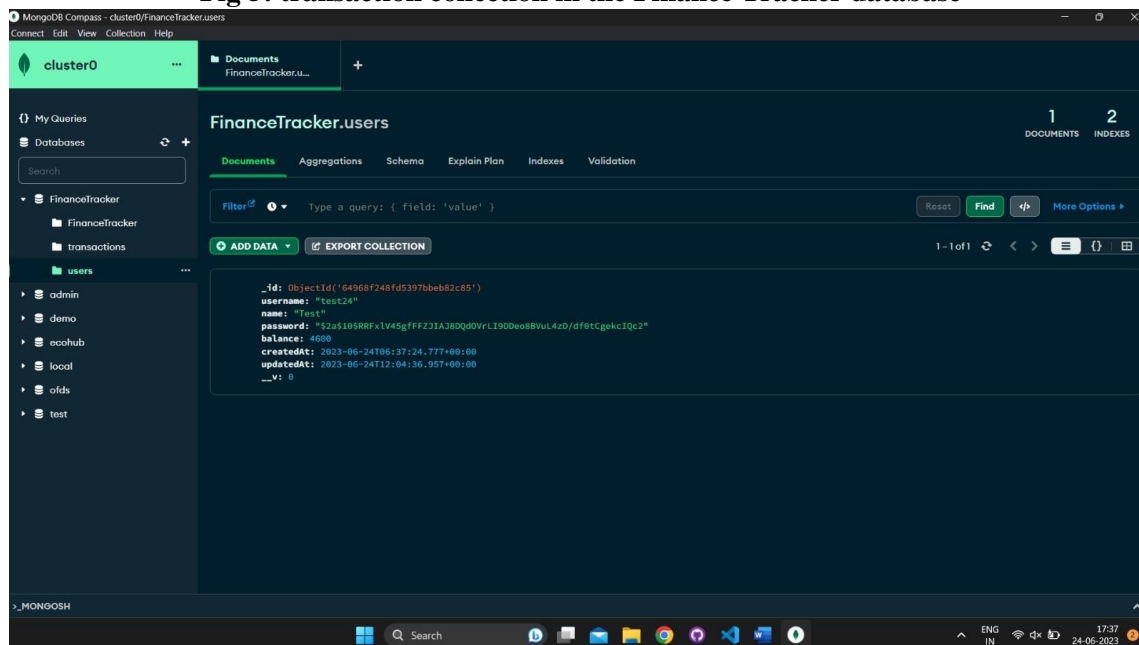


Fig 6: users collection in the Finance Tracker database

10.Important Links :

Github Link : https://github.com/Fastest-Coder-First/PersonalFinanceTracker_Keerthana_J