Expenses Tracker

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01 WEB Design

02 Database

03 Backend

04 Frontend

01 Web Design

UI/UX Design and System Design





UI/UX Design

- The UI/UX was designed using Figma for clear visual structure and consistency.
- The layout focuses on simplicity and ease of navigation for all user types.
- Key screens include:
 - Dashboard with spending overview
 - Expense & income entry forms
 - Recurring transaction management
 - Budget tracking modules
- The design ensures a **responsive layout** for both desktop and mobile views.
- Color scheme and iconography were chosen to enhance readability and user focus.
- Intuitive interactions and minimal steps for entering financial data improve the user experience.

To Visit our Design Click Here



02

Database

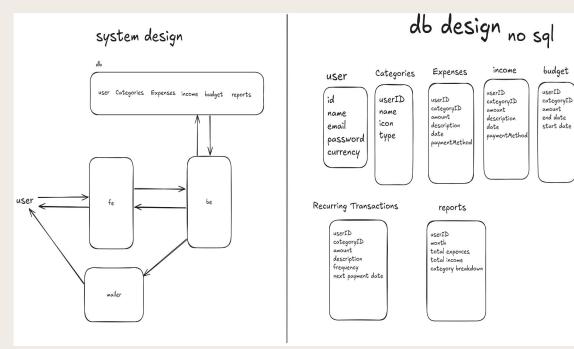
System Design and MongoDB





System Design

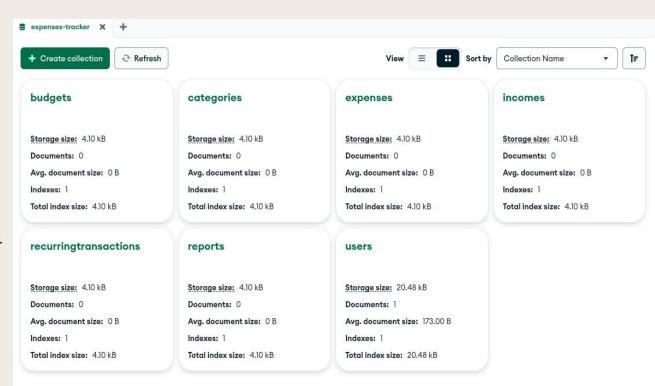
- The left side shows the system architecture connecting the user, frontend (fe), backend (be), and mailer service.
- The backend handles communication with the database and mailer, while the frontend manages user interaction.
- The right side illustrates the NoSQL database design using MongoDB collections.
- Key collections include:
 - user, categories, expenses, income, budget, reports, and recurring transactions.
- Each collection is structured to support flexibility,scalability, and clear data relationships.





MongoDB

- This view shows the MongoDB collections in the expenses-tracker database.
- Collections include: budgets, categories, expenses, incomes, recurringtransactions, reports, and users.
- Each collection is designed to store specific types of financial data.
- Currently, only the users collection has documents; all other collections are empty.
- The structure is ready to handle future data like expenses, incomes, and reports.





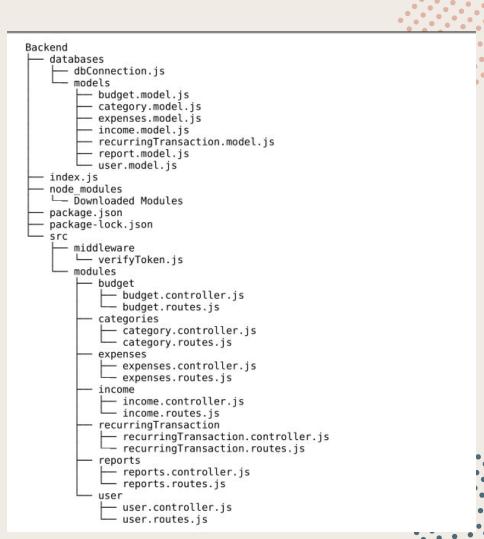
03 Backend

Files System

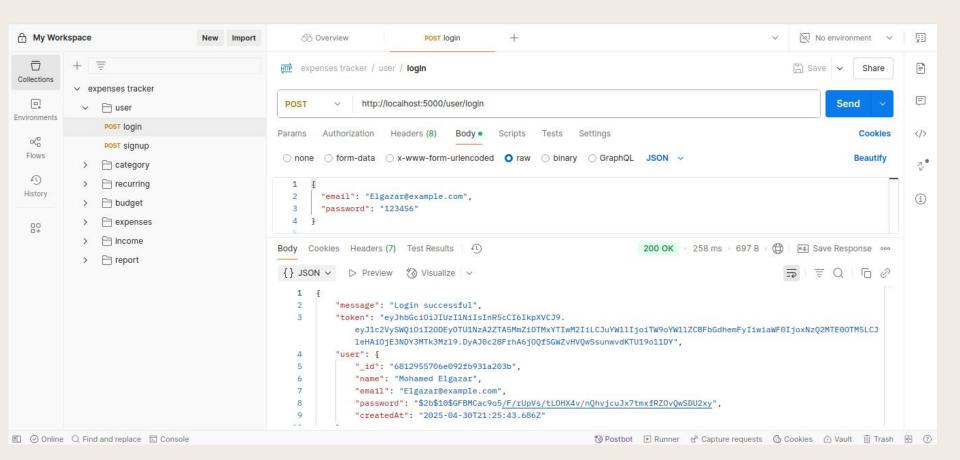


Files System

- The project is organized by feature (budget, income, expenses, etc.).
- Each feature has its own controller and routes in src/modules.
- Database models (schemas) are stored in the models folder.
- Middleware (like token verification) is in the middleware folder.
- index.js is the main entry point.
- Dependencies are managed with package.json.



Postman



04 Frontend

Coming Soon!!!!





Thanks!

