Project: Personal Finance Tracker.

Project Description: Develop a full-stack web application that allows users to track their  
expenses, incomes, and budgets over time. Include features for categorizing  
transactions and visualizing financial data. This application will have only one type of user: Regular User to track their finance.

App functions

a. Auth

* All users can login, logout

b. Regular user: A normal user can do the following actions

* Sign up a regular account
* See all their financial information (expenses, incomes, budget) after logging in successfully
* Add/Edit/Delete expenses after logging in successfully
* Add/Edit/Delete incomes after logging in successfully
* Add/Edit/Delete budget after logging in successfully
* Add/Edit/Delete a category to the transactions
* See the financial data in chart form

Project: Build an application for managing personal finance.

Compact System Design

1. Front End

Tech: React

Components:

- Login: User authentication.

- Signup: New user registration.

- Income: Add/View/Edit/Delete income.

- Expense: Add/View/Edit/Delete expense.

- Budget: Add/View/Edit/Delete budget

- Category: Add/View/Edit/Delete category.

- Chart: View the financial data in chart

2. Backend

Technologies

MongoDB, NodeJS Express, JWT.

Collections

Users{

Full Name: string,

Date of Birth: date,

Occupation: string,

Address: string,

Phone number: string

Email: string,

Password: string

}

Category{

Title: string,

}

Transaction{

Date: date,

Category: string,

Amount: number,

Type: string

}

APIs

- finance management: CRUD finance

- User management: CRUD users

- Auth: login, signup