

1. Title: Personal Finance Tracker and Budgeting App

2. Project Statement:

With increasing financial uncertainty and the need for better money management, individuals seek tools that allow them to track daily income, expenses, and savings goals. This application provides a personalized dashboard to record, analyze, and manage financial transactions while supporting community interaction through budgeting tips.

3. Outcomes:

- Secure user authentication and role management.
- Expense and income tracking with categorized entries.
- Custom budgeting and savings goal features.
- Graphical visualization of financial data over time.
- Data export in PDF/CSV and cloud backup support.
- Optional community-based financial tips forum.

4. Modules to be implemented:

- **User Authentication and Profile Management**
Role-based authentication with user profile setup.
 - **Expense and Income Tracking Module**
Categorized input and history log of daily transactions.
 - **Budget and Savings Goals**
Setup and track monthly budgets and savings targets.
 - **Financial Trends and Visualization**
Graphs, pie charts, and bar charts to display trends.
 - **Data Export and Community Forum**
Export financial records and optionally interact with a financial tips community.
-

5. Week-wise module implementation and high-level requirements:

Milestone 1: Weeks 1–2

Module: User Authentication and Profile Management

- JWT-based user registration and login system.
- Role-based access (user/admin).
- Profile creation: income, savings, target expenses.



Sign Up

Create your account

Sign Up

[Already have an account? Sign In](#)

Milestone 2: Weeks 3–4

Module: Expense and Income Tracking

- Input forms to log daily income and expenses.
- Categorization (Rent, Food, Travel, etc.).
- Edit/Delete transaction options.

×

Add Transaction

Amount

Description

Category

^

v

Account

^

v

Date

Save

Dashboard

Transactions

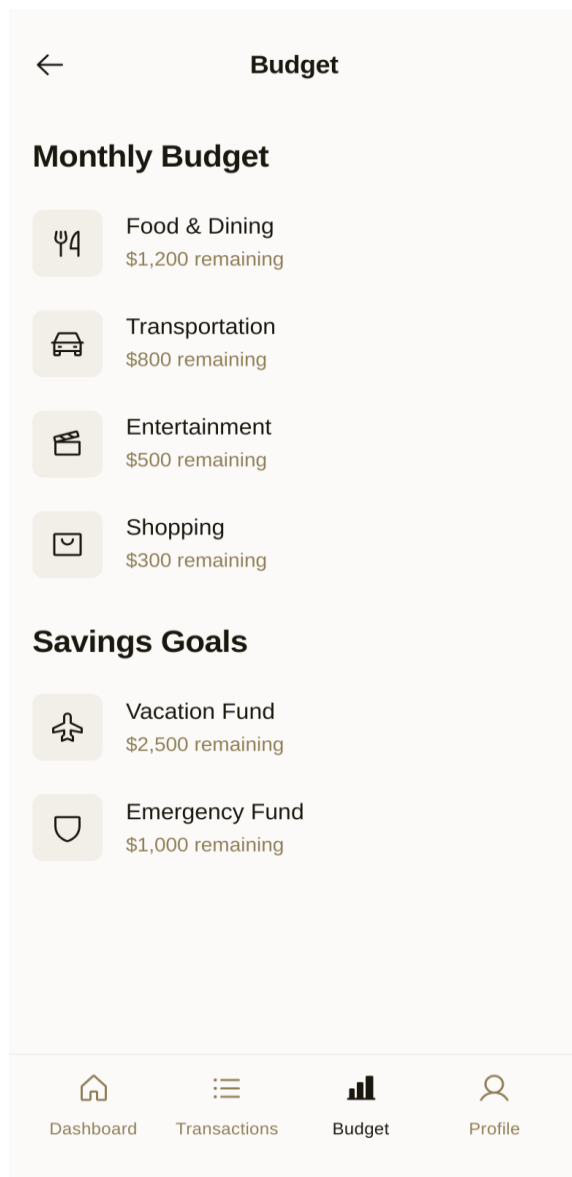
Budget

Profile

Milestone 3: Weeks 5–6

Module: Budget and Savings Goals

- Monthly budget setting by category.
- Auto-track progress and remaining budget.
- Define and monitor savings goals.



Milestone 4: Week 7

Module: Financial Trends and Visualization

- Monthly spending comparison.
- Pie charts for category-wise spending.
- Bar charts showing income vs expenses.



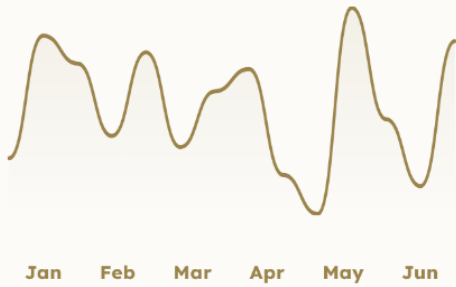
Trends

Spending

Monthly Spending

\$2,450

Last 6 Months **+12%**



Jan

Feb

Mar

Apr

May

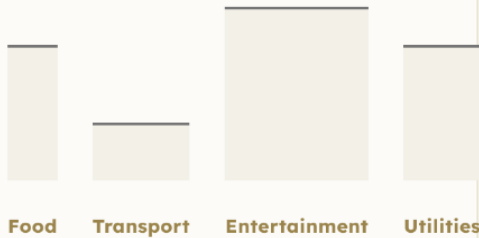
Jun

Spending Breakdown

Category Spending

\$1,200

This Month **+5%**



Food

Transport

Entertainment

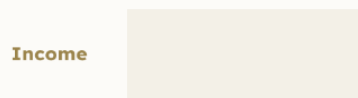
Utilities

Income vs. Expenses

Income vs. Expenses

\$3,500

This Month **-3%**



Income

Milestone 5: Week 8

Module: Export & Community Forum (Optional)

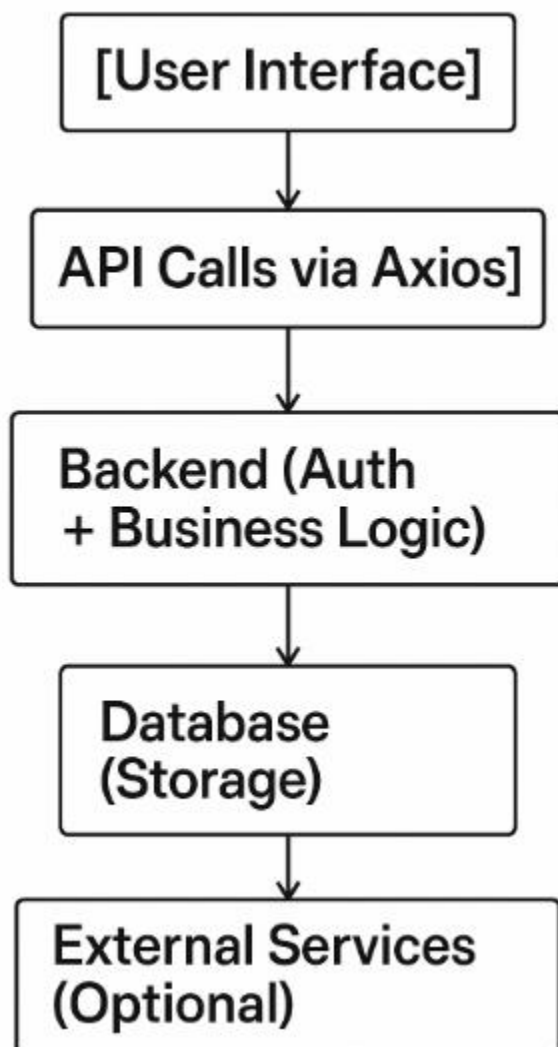
- Export financial data to PDF or CSV format.
- Backup data to Google Drive or Dropbox.
- Financial tips forum with posts, comments, and likes.



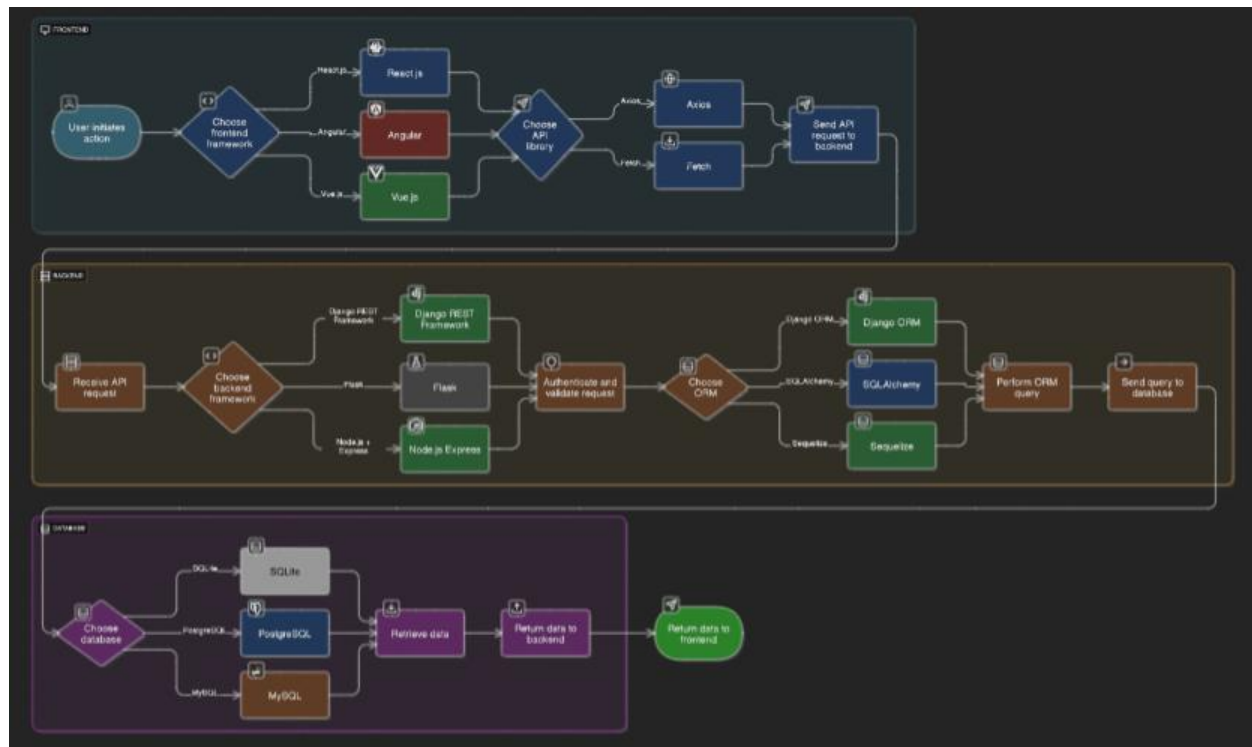
6. Evaluation Criteria:

- **Week 2:** Login and profile setup fully operational.
 - **Week 4:** Users can record, edit, and view categorized financial entries.
 - **Week 6:** Budgeting and goal tracking functional with historical logs.
 - **Week 7:** Data visualizations are accurate and easy to interpret.
 - **Week 8:** Export and cloud sync implemented; forum (if present) working correctly.
-

7. Workflow diagram:



8. Architecture diagram:



9.Schema diagram:

