

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.
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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

Email

Password

Confirm Password

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 ▾

Account ▾

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.

The screenshot shows a budgeting application interface. At the top, there is a back arrow icon and the word "Budget". Below this, the section title "Monthly Budget" is displayed. The budget categories listed are:

- Food & Dining: ₹4 (Icon: Plate), \$1,200 remaining
- Transportation: (Icon: Car), \$800 remaining
- Entertainment: (Icon: Movie Camera), \$500 remaining
- Shopping: (Icon: Shopping Bag), \$300 remaining

Below the budget section, the title "Savings Goals" is shown. The goals listed are:

- Vacation Fund: (Icon: Airplane), \$2,500 remaining
- Emergency Fund: (Icon: Shield), \$1,000 remaining

At the bottom of the screen, there is a navigation bar with four items: "Dashboard" (home icon), "Transactions" (list icon), "Budget" (bar chart icon), and "Profile" (magnifying glass icon).

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%

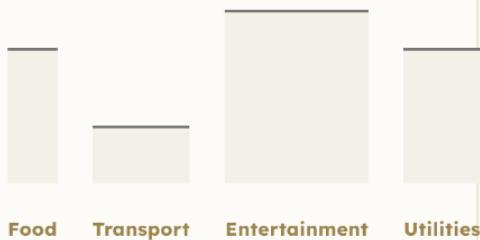


Spending Breakdown

Category Spending

\$1,200

This Month +5%



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.

The screenshot shows the 'Export & Community' module. It has three main sections: 'Export Data' (with PDF and CSV options), 'Backup Data' (with Google Drive and Dropbox options), and 'Community Forum'. The 'Community Forum' section displays four posts from users Ethan Carter, Sophia Bennett, Liam Harper, and Olivia Hayes, each with a profile picture, timestamp, text content, and like/dislike counts.

Export & Community

Export Data

Export to PDF

Export to CSV

Backup Data

Backup to Google Drive

Backup to Dropbox

Community Forum

Ethan Carter 2d ago
Just hit a new savings milestone! Any tips on maximizing returns with low-risk investments?
 15 2

Sophia Bennett 1d ago
Congrats, Ethan! Consider high-yield savings accounts or short-term government bonds for a balance of safety and growth.
 8 1

Liam Harper 3d ago
Anyone else struggling with impulse spending? I'm trying to cut back on non-essential purchases but finding it tough.
 22 3

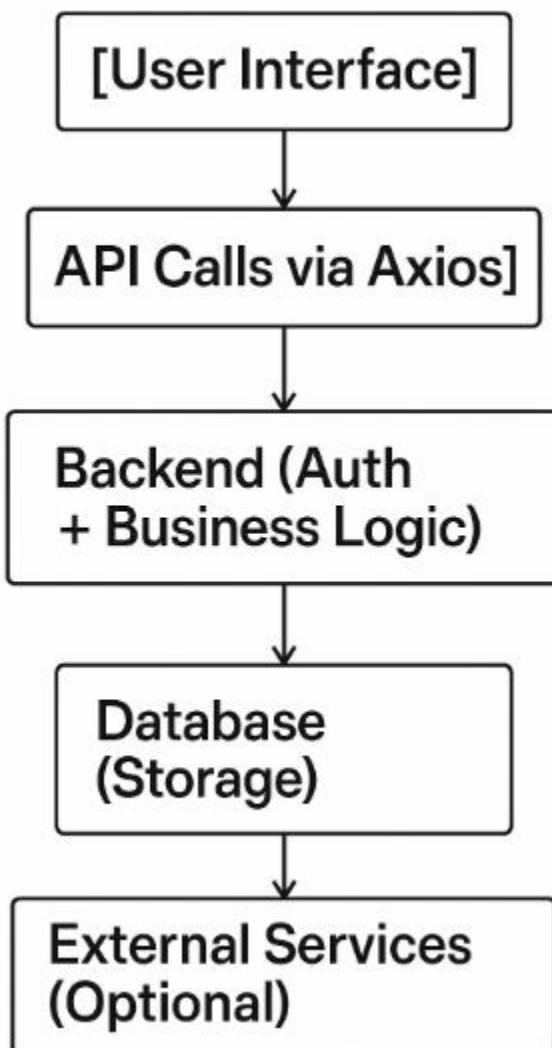
Olivia Hayes 2d ago
Liam, try the 30-day rule: wait a month before buying anything non-essential. It helps curb impulse buys!
 12

Dashboard **Transactions** **Budget** **Profile**

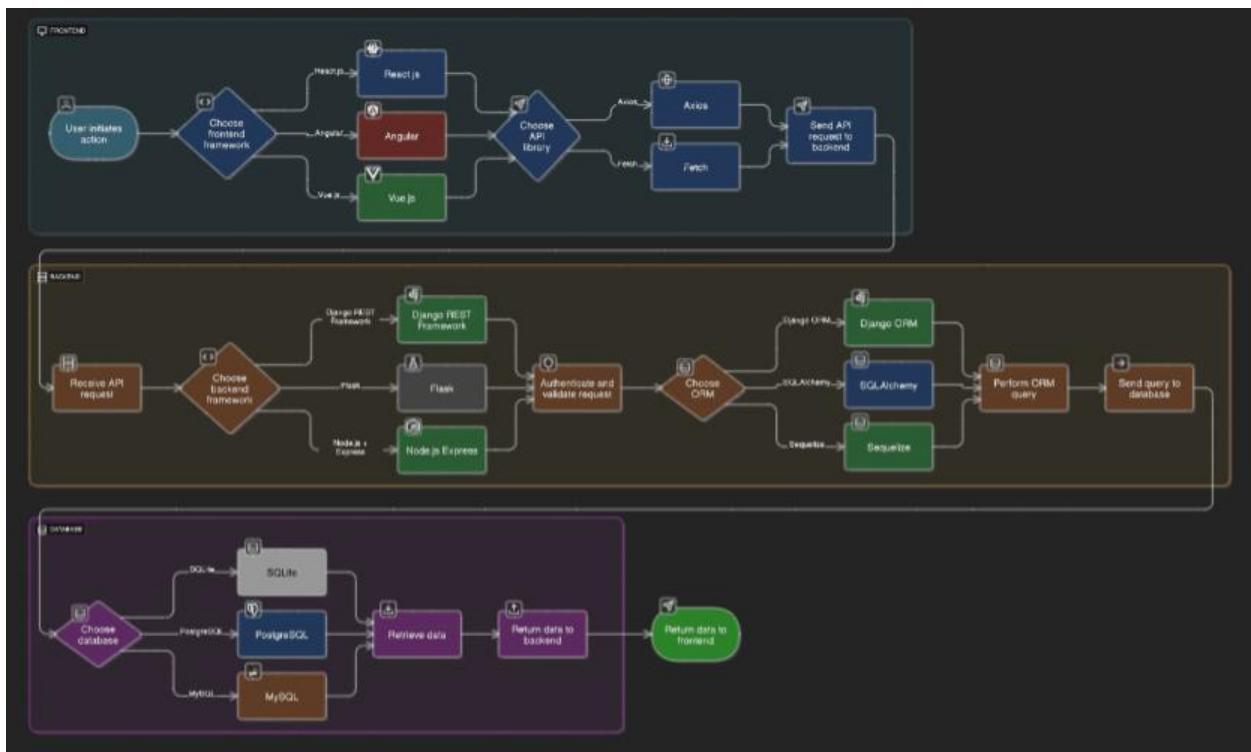
6. Evaluation Criteria:

- **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.
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7. Workflow diagram:



8. Architecture diagram:



9.Schema diagram:

