

econoMe

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1. Abstract

Money manager

2. Introduction

3. Lierature review

4. Techology

5. Conclusion

6. Referances

- 1. As a user i want to be able to fill my data and bank accounts.
- 2. As a user i want to be able to define my goals ex: buying a car.
- 3. As a user i want to be able to get insight on how to achive my goal.
- 4. As a user i want to be able to automate recurring payments ex: rent.
- 5. As a user i want to be able to view analytics.
- 6. As a user i want to be able to split spending into catogories for easier managment

7. work flow

7.1. Financial Management App Workflow

- 1. User Data Collection:
 - 1. Users provide personal and financial information, including income, expenses, assets, liabilities, and financial goals.

Specify risk tolerance and investment preferences.

- 1. Sending Data to the Server:
 - 1. User data is securely sent to your Node is backend server for processing and storage.
- 2. Cost of Living Calculation:
 - 1. Your server calculates the cost of living based on the user's location, using data from external sources or APIs.
- 3. Data Processing:
 - 1. The server processes cost-of-living data, merging it with user financial details and preferences.

This processed data forms the foundation for budgeting and expense tracking.

- 1. Budget Setup:
 - 1. The app assists users in creating their budgets:
 - 1. Users define budget categories (e.g., housing, transportation, groceries).
 - 2. Allocate funds to each category with customization options.
 - 3. Set monthly or annual budget limits.
- 2. Expense Tracking:
 - 1. Users begin tracking their expenses within the app:
 - 1. Record spending transactions (date, vendor, category).
 - 2. The app maintains real-time expense records, adjusting budget category balances.
- 3. Real-time Expense Updates:
 - 1. Users access real-time information on remaining budget amounts within each category.
 - 2. Monitor spending against budget limits for a clear financial picture.
- 4. Notifications and Alerts:
 - 1. The app sends timely alerts to users when they approach or exceed category budget limits.
 - 2. Promotes mindful spending habits.
- 5. Reports and Analysis:
 - 1. Users generate reports and visualize financial data:
 - 1. Understand spending patterns and budget progress over time.
 - 2. Gain valuable insights for informed financial decisions.
- 6. Goal Tracking:
 - 1. Setting Goals:
 - 1. You tell the app what you want to save or invest for, like a vacation or buying a car.
 - 2. Tracking Progress:
 - 1. The app keeps an eye on your savings and shows you how close you are to reaching your goal. It's like a progress bar that fills up as you save.
 - 3. Staying on Course:

- 1. If you're not saving enough, the app can remind you to put more money toward your goal.
- 4. Visualizing Success:
 - 1. It shows you a visual picture of your goal progress, like a chart or a graph, so you can see how well you're doing.
- 5. Celebrating Achievements:
 - 1. When you reach your goal, the app celebrates with you, like a digital high-five.

7. Savings and Investment Recommendations:

- 1. User Profile Assessment:
- 2. The app begins by assessing the user's financial profile, which includes their income, expenses, assets, liabilities, risk tolerance, and financial goals.
- 3. This information forms the foundation for tailored recommendations.

8. Goal Alignment:

- 1. The app takes into account the user's specific financial goals. For example, if a user is saving for retirement, the recommendations will align with this
- 2. long-term objective.

9. Risk Assessment:

- 1. Users indicate their risk tolerance, which helps determine the level of risk they are comfortable with when it comes to investing. Some users may
- 2. prefer lower-risk options, while others may be open to higher-risk investments with potentially higher returns.
- 3. Available Funds:
 - 1. The app considers the user's available funds for saving and investing. It takes into account their budget, expenses, and current savings.
- 4. Diversified Recommendations:
- 5. Based on the user's financial profile, goals, risk tolerance, and available funds, the app provides a range of investment recommendations.
- 6. Recommendations may include options like savings accounts, certificates of deposit (CDs), stocks, bonds, mutual funds, or retirement accounts,
- 7. depending on what suits the user's situation.
- 8. Explanation and Education:
- 9. The app provides explanations for each recommendation, helping users understand the pros and cons of each option.
- 10. Educational content may be included to empower users with financial knowledge.

8. UMLs

8.1. ERD

