



UGANDA CHRISTIAN
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Finance Tracker(FinSync) Requirements Document

1. Project Overview

The **Finance Tracker Web App** is a financial management tool designed to help individuals efficiently track their expenses, set budgets, and achieve financial goals. The platform will offer features such as real-time expense tracking, income monitoring, and financial insights. A unique aspect of this application is the **Group/Family Budgeting Feature**, which allows multiple users (family members or groups) to collaboratively manage shared expenses and budgets.

2. Unique Selling Point (USP)

Group/Family Budgeting: Unlike conventional finance trackers, this application provides a collaborative budgeting environment where multiple users can:

- Set joint budgets for household expenses.
- Track shared expenses and individual contributions.
- Receive alerts on budget thresholds.
- Manage financial goals as a group.

3. Functional Requirements

User Management

- Users should be able to register and log in securely.
- Admins should be able to manage users (activate/deactivate accounts).
- Users should be able to create and manage family/group accounts.

Budget & Expense Tracking

- Users should be able to add, edit, and categorize expenses.
- Users should be able to set budget limits for different categories.

- The system should notify users when they are approaching their budget limits.

Income Management

- Users should be able to add sources of income.
- Users should be able to link their bank accounts for automatic transaction imports (future enhancement).

Reports & Insights

- Users should receive monthly financial reports.
- The system should provide insights into spending habits and trends.

Security & Access Control

- Multi-factor authentication (MFA) should be implemented.
- Role-based access control for Admins and Users.

4. Non-Functional Requirements

- **Scalability:** The system should handle multiple users without performance degradation.
- **Performance:** Transactions should be processed within milliseconds.
- **Security:** All sensitive data should be encrypted.
- **Usability:** The UI should be intuitive and mobile-friendly.
- **Availability:** The system should maintain an uptime of 99.9%.

5. Project Timeline

| Phase | Tasks | Duration |
|---------------------|--|-------------|
| Planning | Requirement gathering, feasibility analysis | 1 week |
| Design | Wireframes, UI/UX Design, ERD, Use Case Diagrams | 1 week |
| Development | Backend & Frontend Development | 4 weeks |
| Testing | Unit, Integration, and User Testing | 2 weeks |
| Deployment | Deploy to production, monitor performance | 2 weeks |
| Future Enhancements | AI/ML integration, bank linking | Near Future |

6. Future Enhancements

- **Integration of Machine Learning (ML)** to analyze spending patterns and provide personalized financial advice.
- **Bank Account Integration** to sync real-time transactions.
- **Voice Assistant Feature** for hands-free finance tracking.

7. Conclusion

The **Finance Tracker Web App** aims to provide an efficient and user-friendly solution for individuals and families to manage their finances collaboratively. By focusing on group budgeting as its core feature, it stands out in the market as a tool that fosters financial transparency and teamwork among family members. Future enhancements, including AI-driven analytics and automated tracking, will ensure the application remains a cutting-edge financial management tool.