A Project Report on

"Finance Management App"

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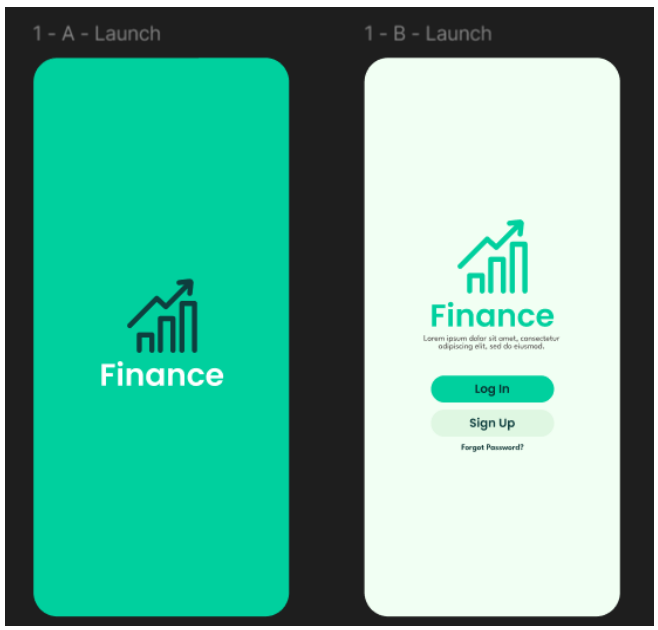
Chapter 1: Project Description

This Human-Computer Interaction (HCI) project presents a comprehensive prototype of a **Finance Management Application**. The application is designed to address the increasing need for personal finance tracking tools in an era where digital transactions and diverse financial activities are common. The primary focus is on usability, accessibility, and user engagement through an intuitive interface.

The app offers features such as income and expense tracking, savings goal setting, financial insights through data visualization, and robust security. Through this project, we aim to demonstrate how thoughtful design and user-centered principles can help users develop healthy financial habits, better manage their resources, and reach their financial goals. The prototype is aimed at a wide audience, including students, professionals, and families.



Chapter 2: Objective

The primary objective is to create an interactive and user-friendly mobile application that simplifies personal finance management. This project seeks to:

- Design an intuitive and aesthetically pleasing interface for all types of users
- Provide tools for logging and tracking financial transactions efficiently
- Help users categorize expenses and incomes to gain clarity on spending habits
- Enable users to define, monitor, and achieve saving goals for future plans
- Offer reminders and notifications that reinforce financial discipline
- Ensure user data privacy and security through strong authentication mechanisms
- Foster a sense of financial responsibility and awareness among users

Chapter 3: Features and Functionality

3.1. User Interface Elements

The interface is crafted with simplicity and clarity in mind. Core UI elements include:

- A dashboard that displays balance, total income, and expenses.
- Graphs and pie charts for visual representation of data.
- Cards and lists for savings goals, transaction history, and categories.
- Floating action buttons for quick access to add entries or update goals.
- Tabbed navigation (Daily, Weekly, Monthly, Yearly views).

The visual hierarchy and consistent color schemes enhance readability and usability for all age groups.

3.2. Expense and Income Tracking

Users can:

- Add income and expenses manually.
- Choose a date, title, category, and amount.
- View categorized breakdowns and trends.
- Track recurring expenses like rent or salary with preset entries.

The system supports real-time balance updates and historical analysis across custom timeframes.

3.3. Savings Goals Management

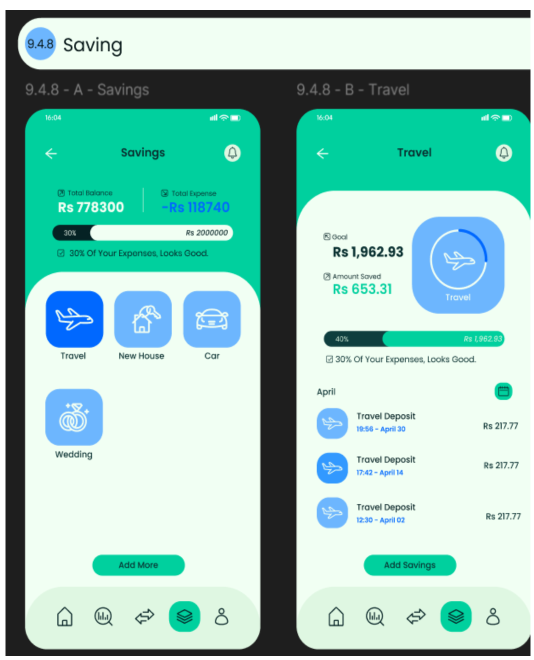
The app enables users to set multiple saving goals under labels such as:

- Travel
- House
- Wedding
- Car

Each goal includes:

- Target amount
- Amount saved
- Date started
- Progress percentage
- Visual feedback (e.g., green for progress, red for delay)

This empowers users to save with purpose and motivation.



3.4. Transaction Categories and Visualization

Categories include Food, Transport, Medicine, Gifts, Rent, Entertainment, and more. Users can:

- Filter transactions by category or date
- View expenditure by category in pie charts

- Identify high-spend areas and optimize budgets accordingly

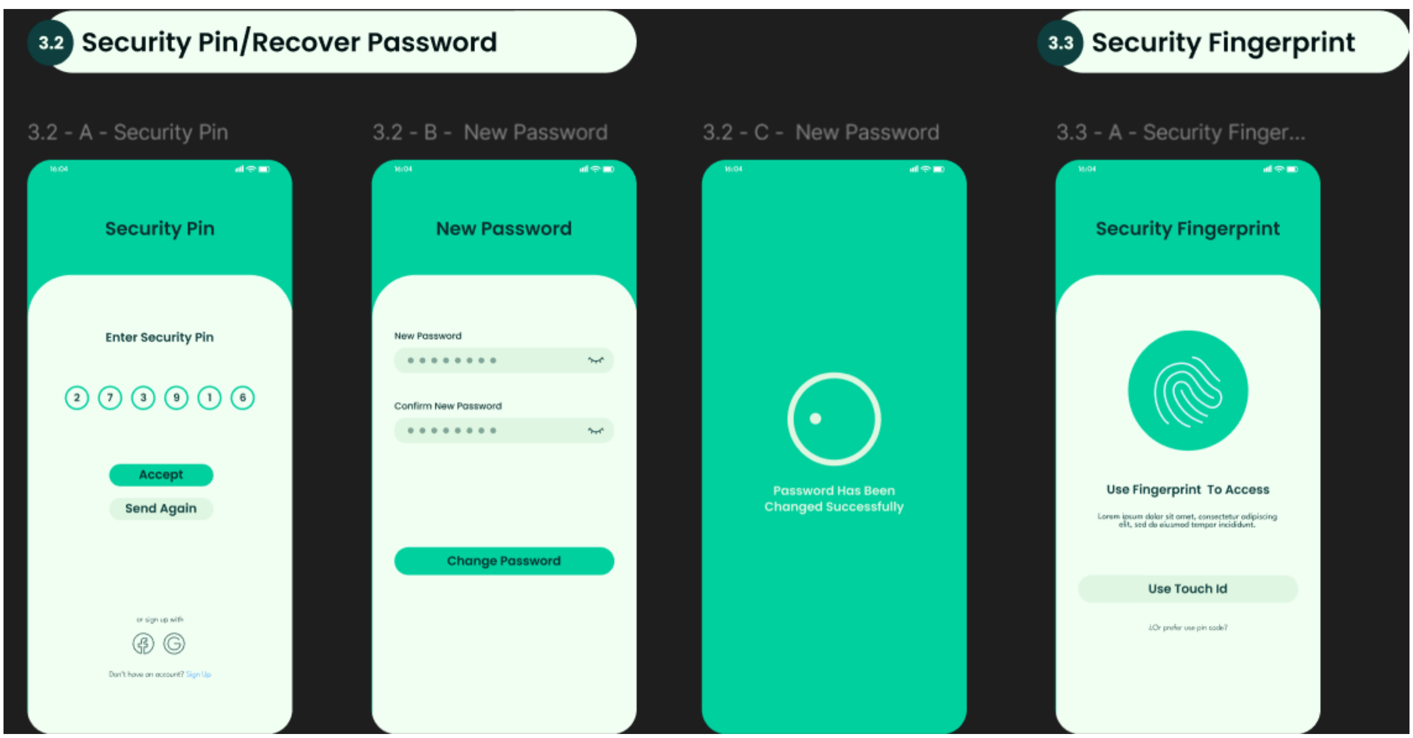
These insights allow better budgeting and financial behavior changes.

3.5. Security and Authentication

Security features include:

- PIN authentication
- Fingerprint login support
- Password management (change/reset)
- Session logout options
- Secure data encryption for user accounts

These features ensure that sensitive financial data remains private and protected.



3.6. Notification and Reminders

Timely alerts include:

- Bill due dates
- Low balance warnings
- Overspending alerts in specific categories

- Progress updates on savings goals

These notifications help users stay accountable and informed.

3.7. Settings and Profile Management

The profile section offers:

- Edit profile details (name, phone, email)
- Change password or PIN
- Enable/disable notifications
- Configure biometric access
- Delete or deactivate account

This module ensures users can customize the app to their preferences.

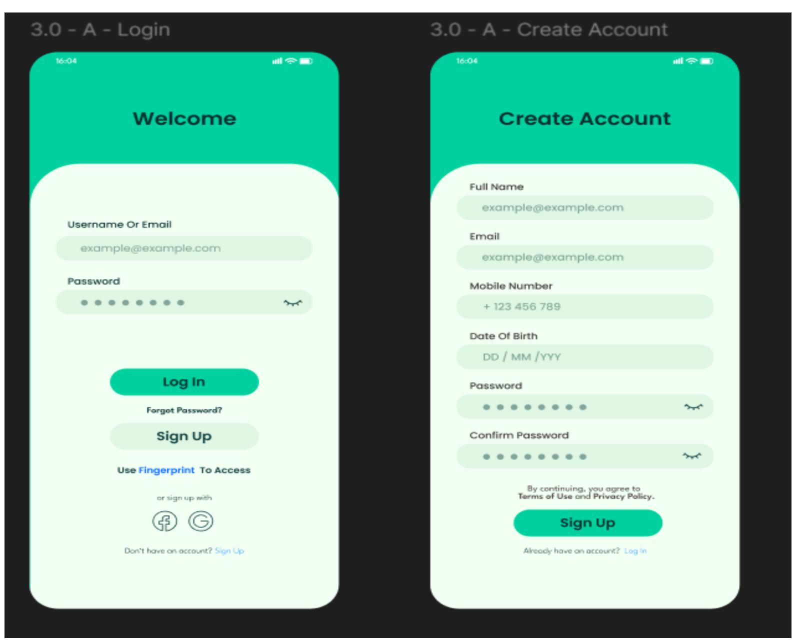
support options for complex queries.

Chapter 4: Documentation and User Guide

4.1. Getting Started

To begin using the app:

- Users must sign up using basic details like name, email, phone number, and DOB.
- They then set a password or fingerprint for secure login.
- Once logged in, a short onboarding tutorial introduces key features.



4.2. Adding Income and Expenses

From the main screen, users can:

- Tap on "Add Expense" or "Add Income"
- Select a date, enter amount, choose a category, and add a short note
- The dashboard updates instantly with the new entry

4.3. Creating and Managing Savings Goals

To set a goal:

- Tap on "Add Goal"
- Enter a goal name, target amount, and start date
- Contributions toward the goal are tracked manually or auto-set
- Users can see progress bars and get reminders

4.4. Tracking and Reviewing Transactions

The "Transactions" tab allows users to:

- View all transactions in chronological order
- Use filters like date or category
- Edit or delete entries
- Export data for monthly reviews

4.5. Budget and Category Analysis

Within the analytics tab:

- Users view pie charts for category spend
- Identify overspending zones
- Compare income vs. expenses across timeframes
- Set monthly budgets per category

4.6. Setting Alerts and Reminders

From settings, users can enable:

- Budget limit warnings

- Recurring bill payment reminders
- Notifications for goal progress
- Account balance updates

4.7. Account Security and Support

Users can:

- Reset passwords
- Change PINs
- Enable/disable fingerprint login
- Contact customer support via chat or email
- View terms and privacy policies

Chapter 5: Conclusion and Future Works

5.1. Conclusion

The Finance Management App is a user-centric solution that blends functionality with simplicity. It enables users to build healthier financial habits by tracking transactions, setting savings goals, and receiving timely insights. The application successfully applies core HCI principles like visibility, feedback, and accessibility, ensuring a seamless user experience.

5.2. Future Works

Planned enhancements include:

- **Bank API integration** for automatic transaction imports
- **AI-based financial recommendations**
- **Voice command support** for expense entry
- **Multi-language interface**
- **Dark mode and accessibility themes**
- **Shared goals and family budget planning features**