**COMSATS UNIVERSITY ISLAMABAD, LAHORE CAMPUS**

**INFORMATION AND COMMUNICATION TECHNOLOGY**

**SEMESTER PROJECT**

**SPRING 24**



**OBJECT ORIENTED PROGRAMMING**

**SUBMITTED TO:**

PROFESSOR SHAHID BHATTI

**SORT:**

PROJECT DETAILS

1 PARTICIPANT

**MEMBER:**

NOUMAN MUJAHID (SP23-BCS-144)

DATE:

14TH MAY,2024

**FINANCE TRACKER**

ABSTRACT:

The finance tracker application aims to provide users with tools to manage their finances effectively. It includes features for managing income sources, tracking expenses, analyzing spending patterns, setting financial goals, and accessing personalized financial insights. The application also allows users to register accounts, view reports, add transactions, and configure settings according to their preferences.

FUNCTIONAL REQUIREMENTS:

Home Frame:

Display overview of account balance.

Quick access to essential functionalities (e.g., Add Transaction, Show Report, Financial Goals).

View and manage sources of income:

Add or remove sources of income.

Display a list of existing income sources.

Registration Frame:

Allow users to register new accounts with personal information (name, account name, contact).

Validate and store user registration data securely.

Show Report of an Individual Frame:

Display detailed financial report for a specific user/account.

Show account balance, last spendings, and basic user information (name, contact).

Monthly Spendings Frame:

Visualize monthly spendings using charts or graphs.

Display spending breakdown by category (e.g., food, transportation).

Category Frame:

Provide insights into spending categories with graphical representations.

Analyze expenses based on different categories (e.g., entertainment, utilities).

Add Transaction Frame:

Allow users to add new transactions (income or expense).

Deduct or add amount from the account balance based on transaction type.

Include text field for selecting transaction category.

Setting Frame:

Enable users to configure application settings (e.g., currency, date format).

Save user preferences and settings.

About Frame:

Display information about the application (version, developer).

Provide links to additional resources or support.

Financial Insights Frame:

Offer personalized financial insights and recommendations based on user's financial data.

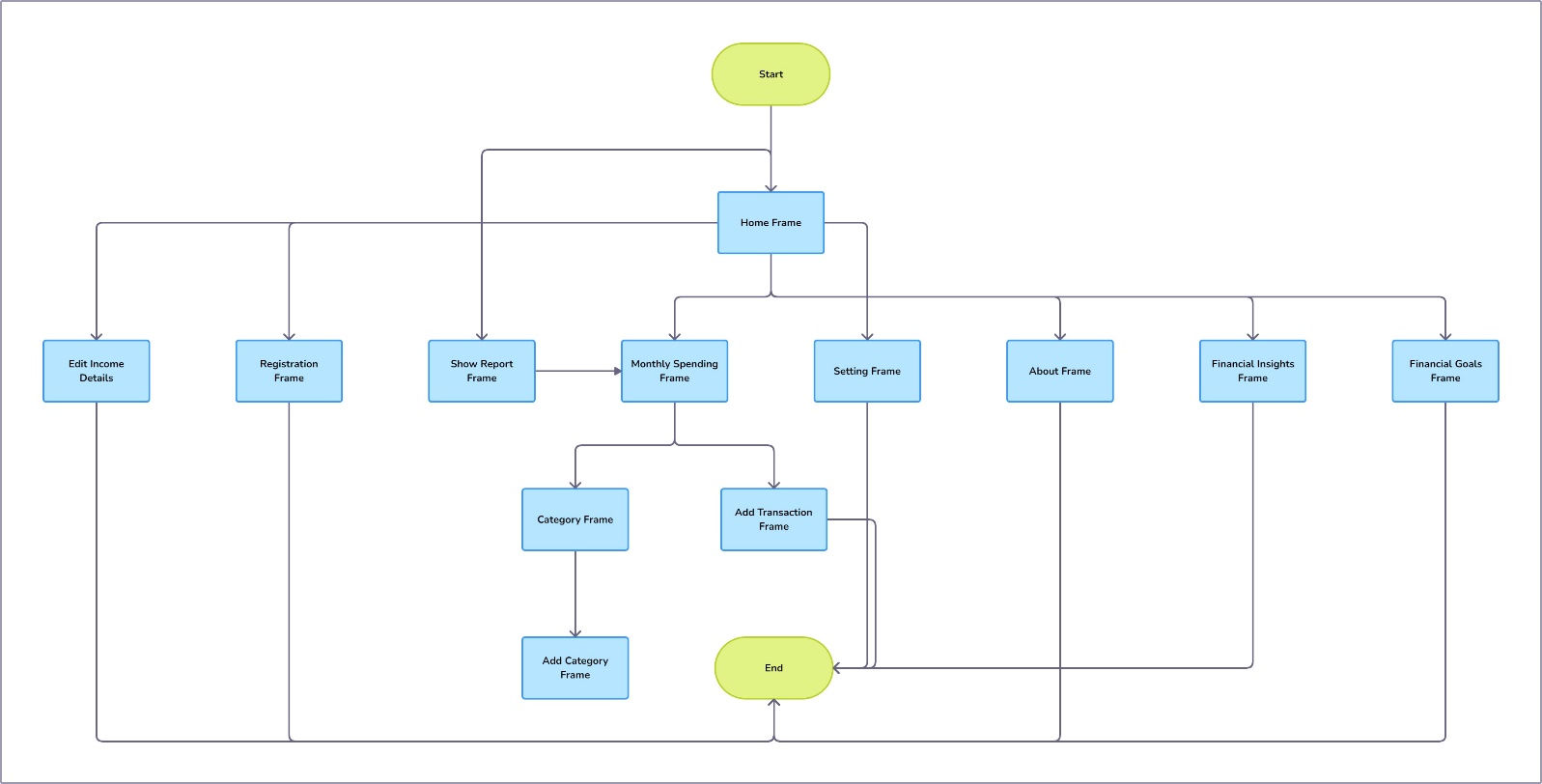
Provide tips for budget optimization and financial planning.

Financial Goals Frame:

Allow users to set financial goals (e.g., savings target, debt repayment goal).

Track progress towards goals and display goal achievements.

**PROJECT DIAGRAM:**

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