General Guidelines for Presentation

- Slides should not be too heavy with content. Better to create point wise.

- If you require more than one slide for any point, right click on that point slide then select duplicate slide and modify the duplicated slide.

- Diagrams must be aligned at centre and clearly visible with caption.

- All the mentioned fonts, font size, title content, etc should not change and strictly as per the given format and guidelines.

SmartSpend - Comprehensive Expense Tracking and Management Tool

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Project Guide
Prof. Dipali Gat

Contents

- Introduction

- Objectives

- Scope

- Features

- Project Outcomes

- Technology Stack

- Block Diagram

1. Introduction

SmartSpend is a digital expense tracker app designed to help users record, categorize, and analyze their financial transactions efficiently.

Problem Identified :

- Lack of proper financial tracking leads to overspending and poor saving habits.

- Traditional methods (handwritten records, spreadsheets) are time-consuming and error-prone.

Solution Proposed :

- Develop a digital expense tracker app for easy financial management.

- Implement budget-setting features to help users control spending.

2. Objectives

1. To provide users with an efficient financial management system that aids in budgeting and expense tracking.

2. To enable users to categorize their expenses, set budgets and analyze their spending patterns for better financial tracking.

3. To design a user-friendly and intuitive interface using Tkinter, enhancing accessibility and ease of use.

4. To offer meaningful financial insights through data visualization through charts, developed using matplotlib library and generating reports.

3. Scope

1. Can be applied in personal finance management to help individuals track income, expenses, and savings efficiently.

2. Can be implemented in educational institutions to teach financial literacy and budgeting skills.

3. Can be extended for use in small businesses to monitor expenditures and manage budgets effectively.

4. Can integrate with banking and digital payment systems in future updates for automated transaction tracking.

5. Can be expanded to support multiple users for shared financial management within families or teams.

4. Features

1. **Transaction Recording:** Users can manually input income and expenses, ensuring detailed financial tracking.

2. **Expense Categorization:** Expenses will be sorted into categories like food, transport, and utilities for better spending analysis.

3. **Budget Management:** Users can set spending limits for categories and receive alerts when nearing their budget.

4. **Data Visualization:** Graphs and charts will provide insights into spending trends for better financial decisions.

5. **Secure Data Storage:** Financial data will be stored securely in a MySQL database for reliability and protection.

5. Outcome of Project

1. User can enter income and expenses manually to track financial transactions.

2. User can categorize expenses into predefined sections like food, transport, and utilities.

3. User can set a budget for different categories and receive alerts when nearing the limit.

4. User can view spending trends through graphs and charts for better financial analysis.

5. User can edit or delete transactions to keep records updated.

6. Technology Stack

1. **Frontend:** Developed using Tkinter (Python) to create a user-friendly and interactive graphical interface.

2. **Backend:** MySQL database will be used to store, retrieve, and manage financial transaction data efficiently.
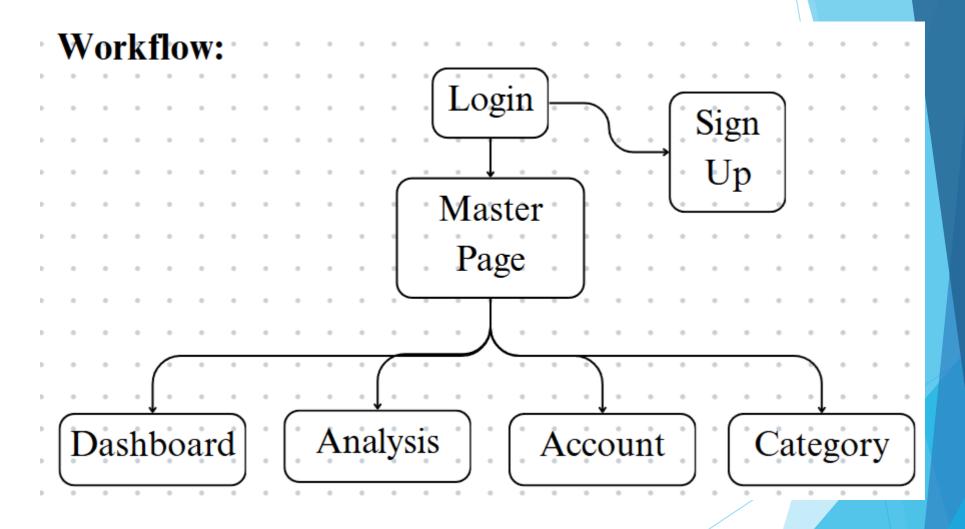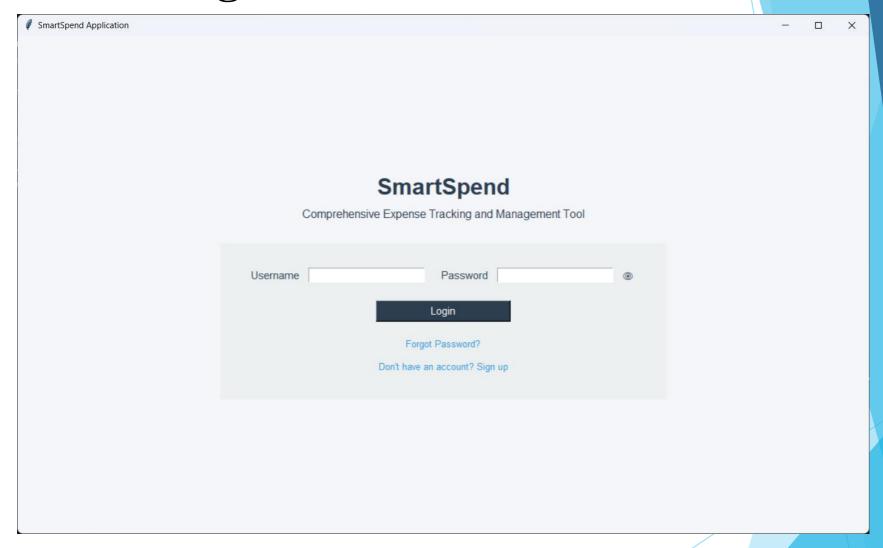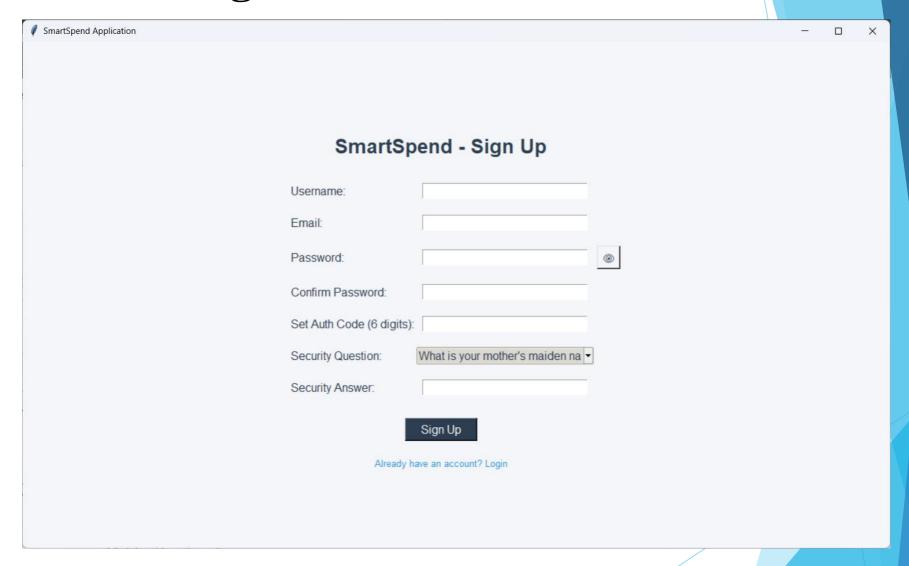
7. Block Diagram

Workflow:

Figure 7.1.: block Diagram

7. Block Diagram

Figure 7.2.: Login page

7. Block Diagram

Figure 7.3.: Sign up page

7. Block Diagram

Figure 7.4.: Dashboard page

7. Block Diagram

Figure 7.5.: Analytics page

7. Block Diagram
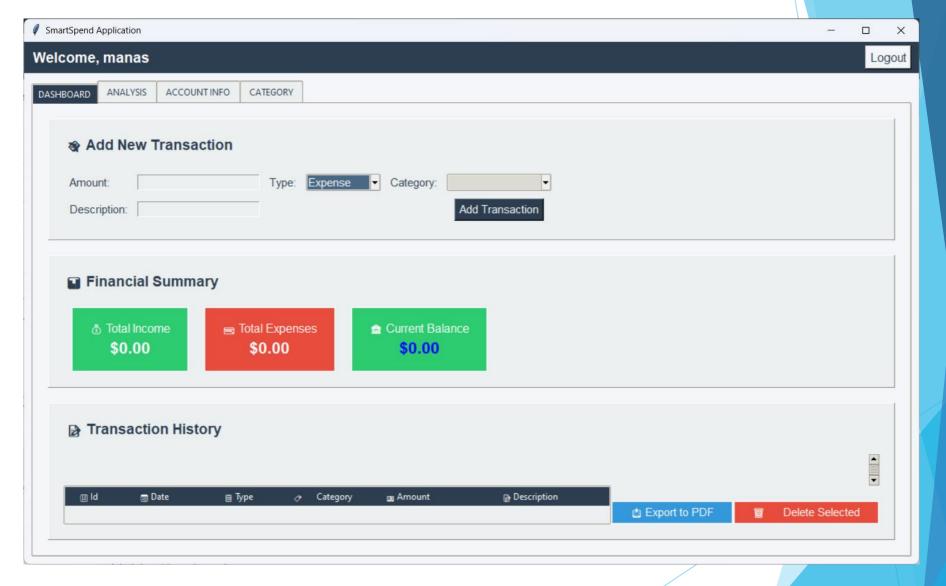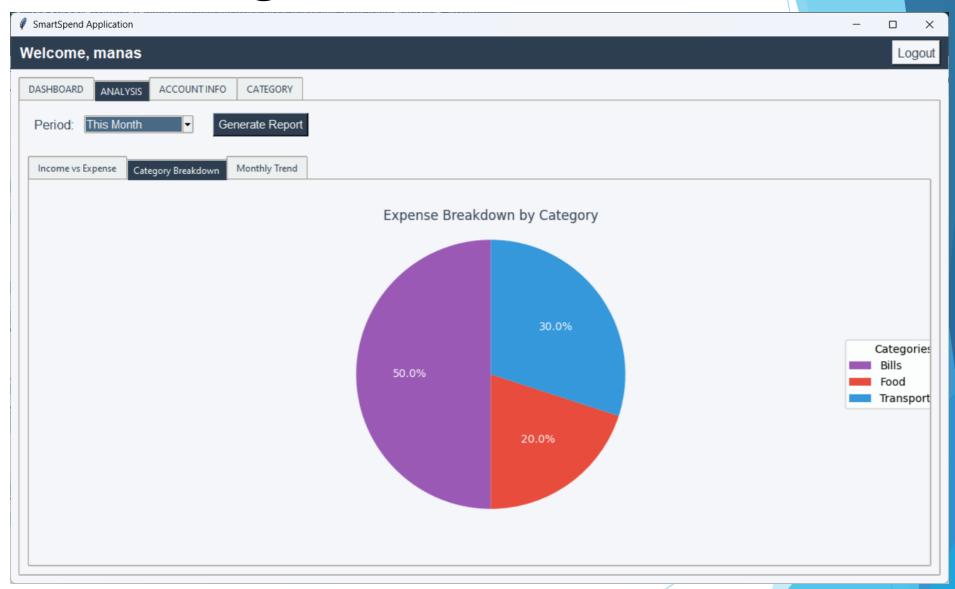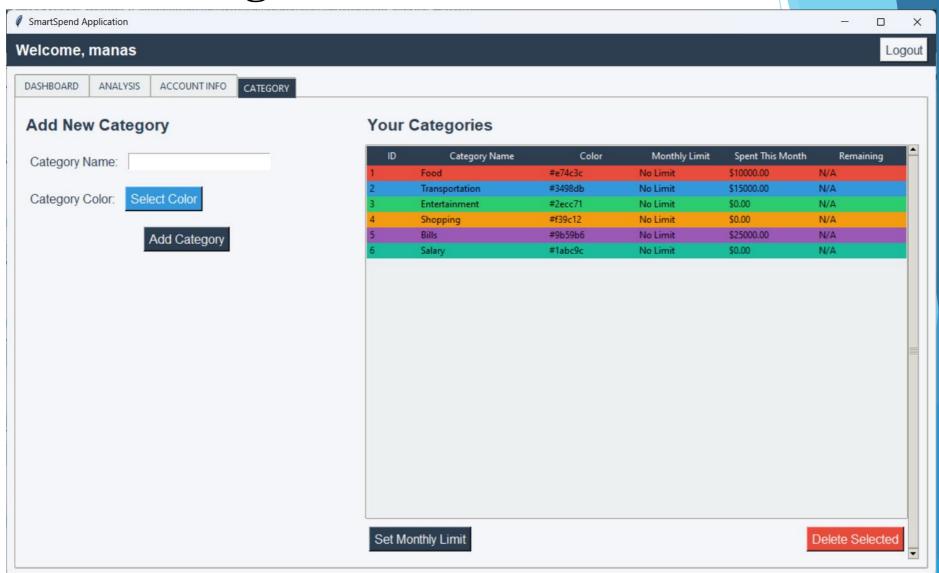

Figure 7.6.: Account's page

7. Block Diagram

Figure 7.7.: Categories page

Thank You...!!