



< Digital Skills Training For Students >

Batch : CBI-018
Mobile App Development (Flutter)
Instructor : Noor Mohammed Anik



Final Project on
Pouch Planner
Presenting By Afia Tabassun

Dept of CSE, IIUC



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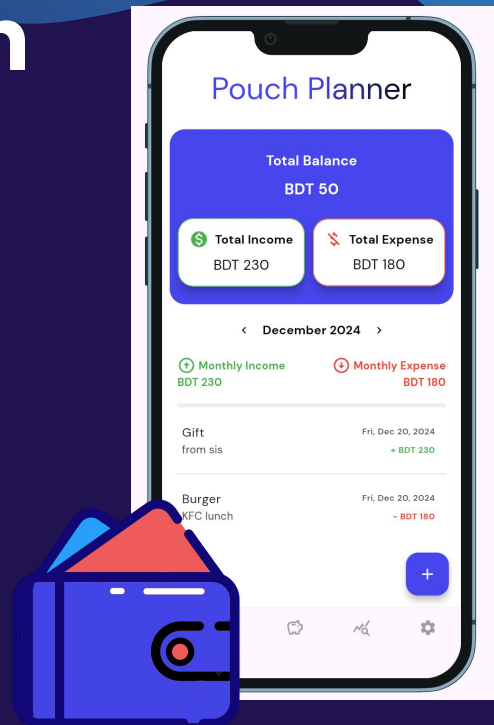
**Impact &
Improvements**

01

Introduction

Overview:

- Mobile application to track and manage expenses efficiently.
- Features include adding/updating/deleting income and expenses according to month, year; budgeting, statistics visualization, and dark/light themes.
- Built with Flutter for cross-platform compatibility and Hive for local storage.



02

Key Functionality

- Splash Screen: Animated logo that grows/shrinks while the app loads.
- Home Page: Displays an overview of user expenses and financial summary.
- Budget Page: Create, edit, and manage budgets for different categories.
- Statistics Page: Visualize expenses with interactive pie charts and bar graphs.
- Settings Page: >>>
 - Settings Page :
 - ❖ Toggle dark/light mode.
 - ❖ Set a secure PIN for app access.
 - ❖ View developer information (About Us section).
 - ❖ Data Persistence: Utilizes Hive and SharedPreferences for efficient and secure local data storage.

03

Workflow & Challenges Overcome

Workflow:

- User-friendly interface with a bottom navigation bar to access key pages: Home, Budget, Statistics, and Settings.
- Data persistence using Hive for offline accessibility.
- State management via Provider for seamless app interactions.
- Device preview integration for consistent UI across devices.

Challenges Overcome:

- Implementing dynamic charts for real-time expense visualization.
- Creating an interactive and responsive UI compatible with multiple screen sizes.

04

Tools, Frameworks & Libraries



Flutter



Dart



VS Code



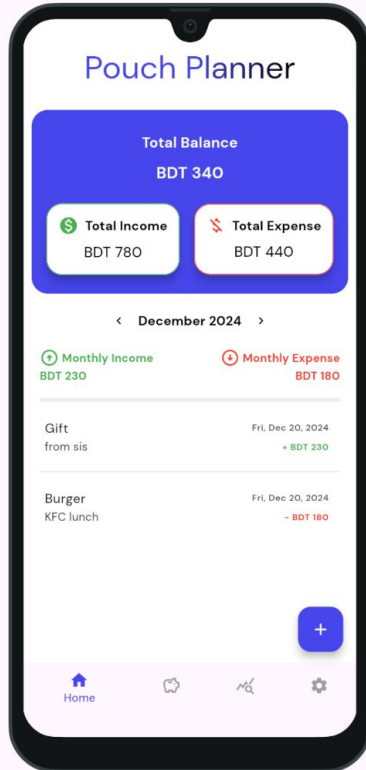
Hive

Libraries

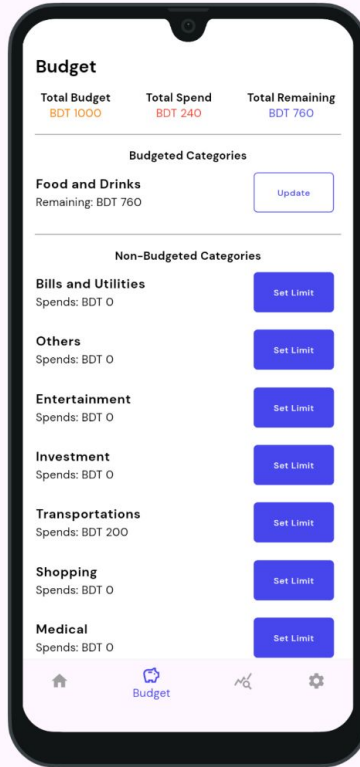
- provider
- pie_chart
- intl
- Shared_preferences
- build_runner

- hive
- hive_flutter
- device_preview
- fl_chart
- hive_generator

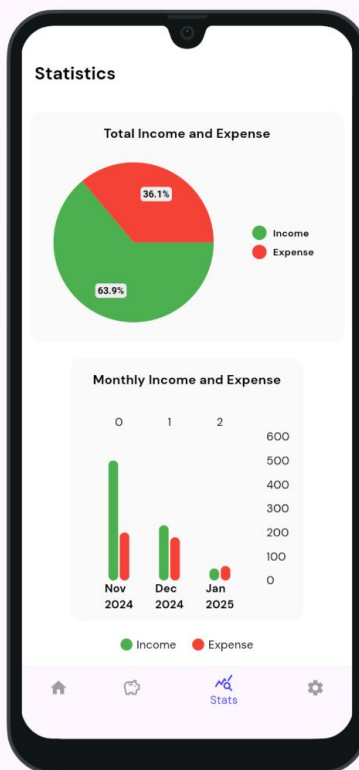
05 UI/UX (1)



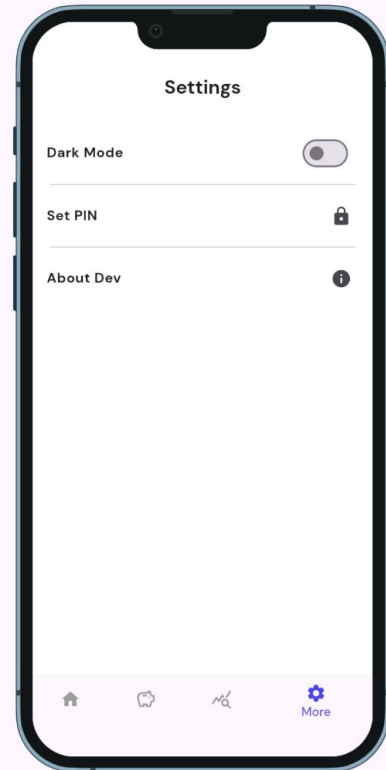
Home page



Budget Page



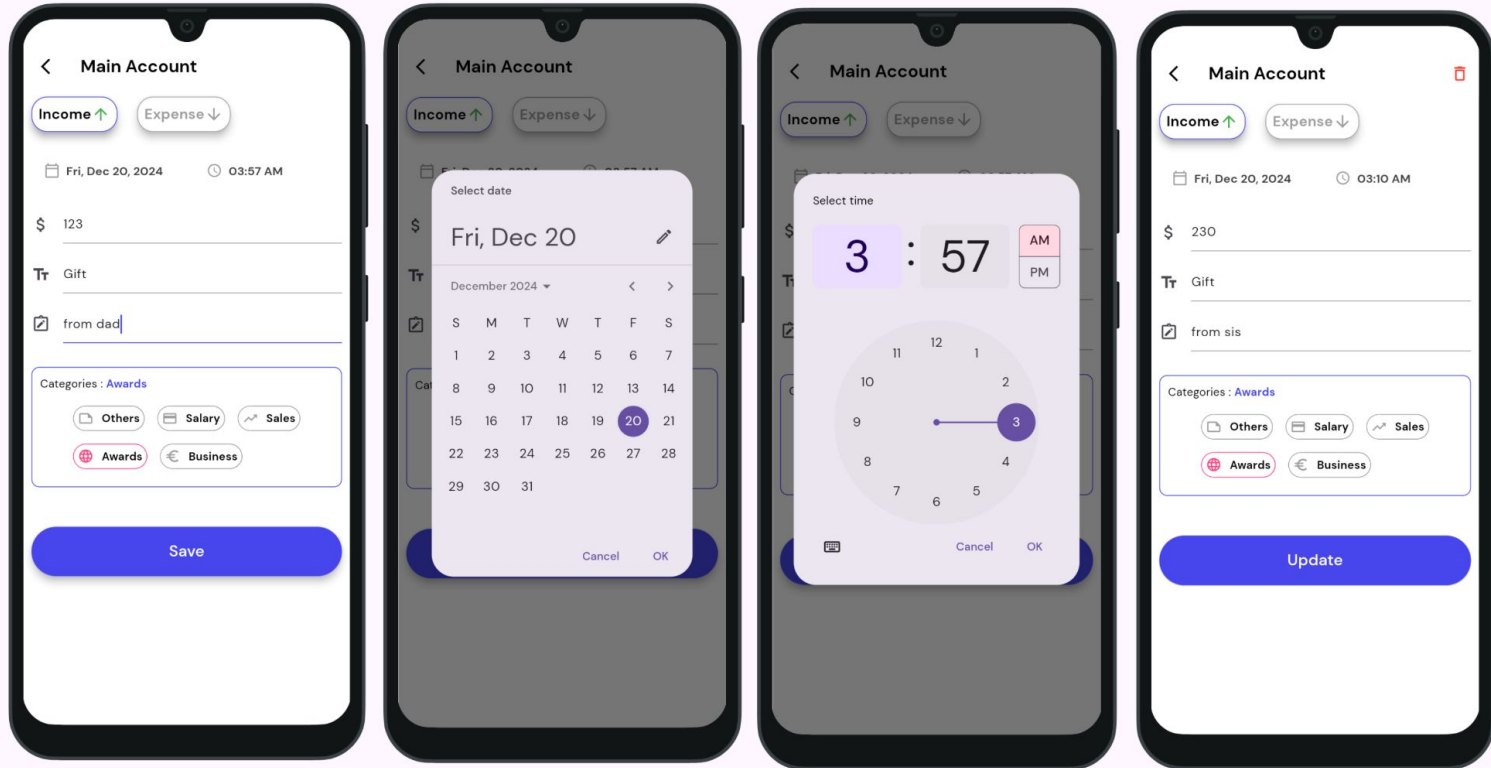
Statistics Page



Settings Page

05

UI/UX (2)



Add Page

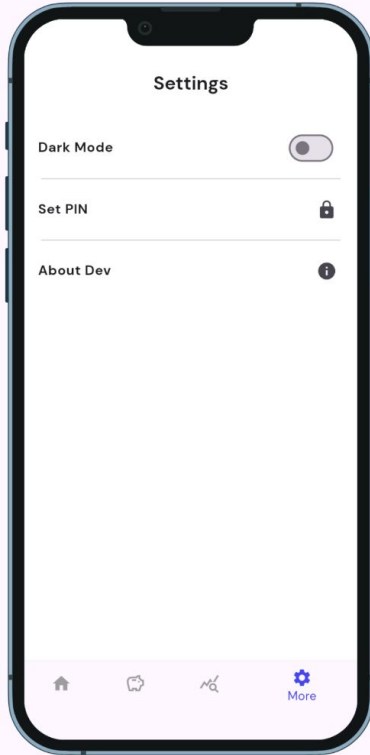
Set Date

Set Time

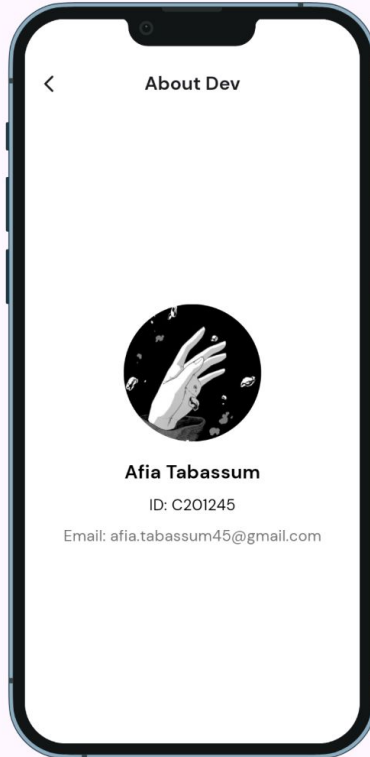
Update Page

05

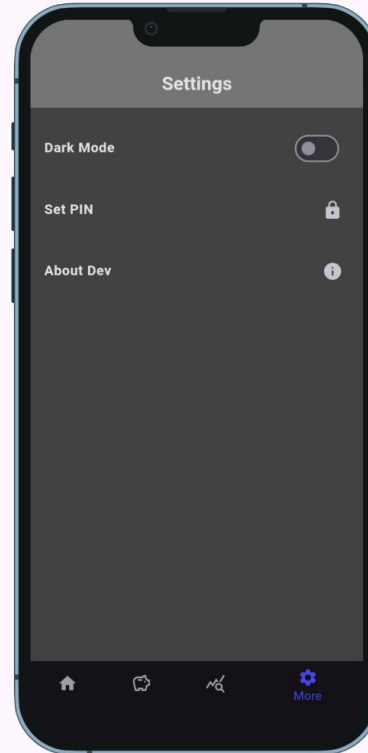
UI/UX (3)



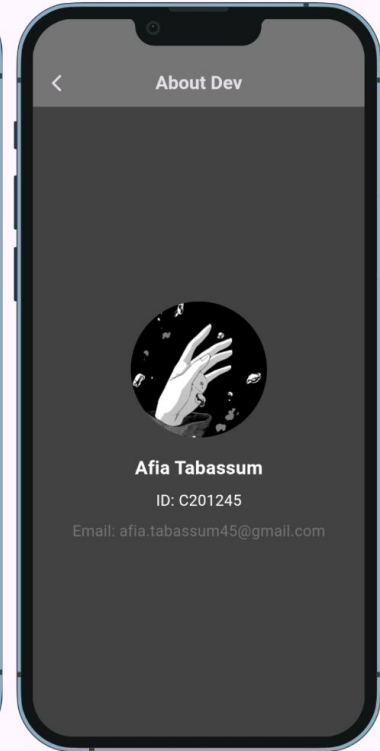
Setting Page



About Dev Page



Dark Mode



Dark Mode About
Dev Page

06

Impact, Conclusion & Future Improvements

Impact:

- Promotes better financial habits and tracking.
- Provides actionable insights into spending patterns.

Conclusion:

- Pouch Planner empowers users to gain control of their finances with ease.
- The intuitive design and advanced features ensure a seamless user experience.

Future Work:

- Incorporate a proper PIN System for privacy
- Cloud synchronization for cross-device data access.
- Add Custom Categories Functionality according to users taste
- Adding notifications for budget limits and upcoming expenses.
- Integration of AI-based or ML-based spending recommendations and analysis.

Thank You!

Do you have any questions?

- **App Screen Record :**

https://drive.google.com/file/d/1lrtwWQE3fnGO07I7elz-ZVp94QnLo840/view?usp=drive_link

- **Github Repository :**

https://github.com/afia45/expense_tracker_app_local_db