My Purse: A Smart and Secure Multi-functional Purse for Modern Utility and Safety

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ABSTRACT :

A straightforward and effective tool for tracking expenses, "My Purse" assists users in keeping tabs on and controlling their daily expenditures. It enables users to record spending, classify it, create budgets, and see spending trends in charts. The objective is to encourage improved financial practices by providing a user-friendly, aesthetically pleasing platform. The program facilitates safe data storage, monthly summaries, and overspending alerts. Cloud sync for multi-device access and AI-based recommendations are possible future improvements.

KEYWORDS : Expense Tracker, Budget Management, Personal Finance, Spending Analysis, Financial Planning

INTRODUCTION

In the rapidly changing financial landscape of today, controlling personal spending is essential. Manual entries and other traditional methods are frequently unreliable and time-consuming. The clever expense tracker "My Purse" makes it simple for users to record, classify, and keep an eye on their spending. It assists users in creating better financial habits, viewing summaries, and creating budgets. The app's main goals are usability, simplicity, and efficient personal finance management.

METHODOLOGY

The following procedures were taken in order to create an effective and user-friendly expense tracking application:
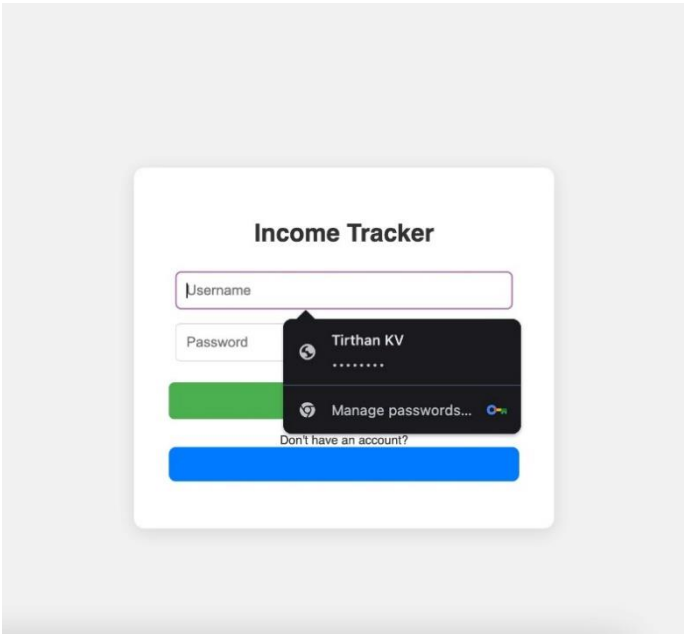
• Developed with a modular architecture, utilizing SQLite for local storage and Flutter for user interface.

• Using a straightforward interface, users can enter, classify, and monitor spending in real time.

• Data is safely stored and clearly displayed using bar graphs and pie charts.

• The app's accuracy, usability, and performance across a range of devices were evaluated.

• Integrated budgeting tools that notify users when they go over their spending caps.

• Guaranteed user data and cloud synchronization for multi-device access and backup.
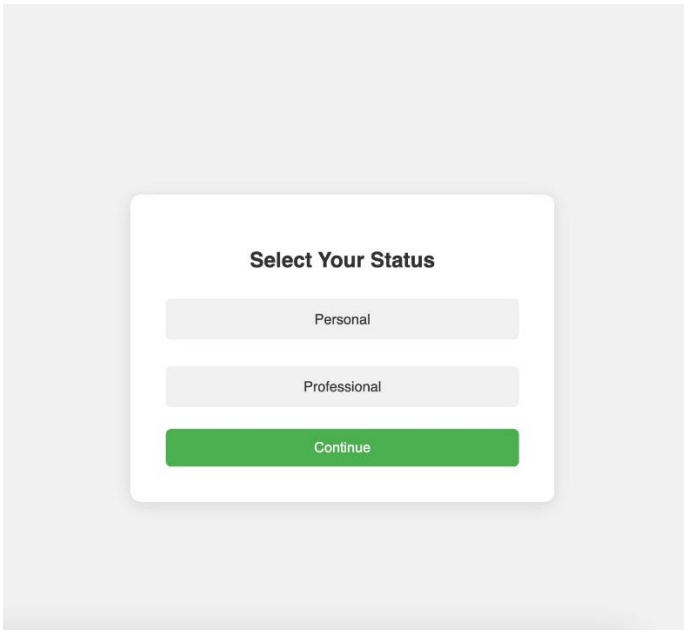
MODELING AND ANALYSIS

The software uses algorithms to analyze spending patterns and compare them to budgets, classifying transactions into revenue and expenses.
Bar graphs and pie charts are examples of visualizations that make it simple for people to understand their financial data.
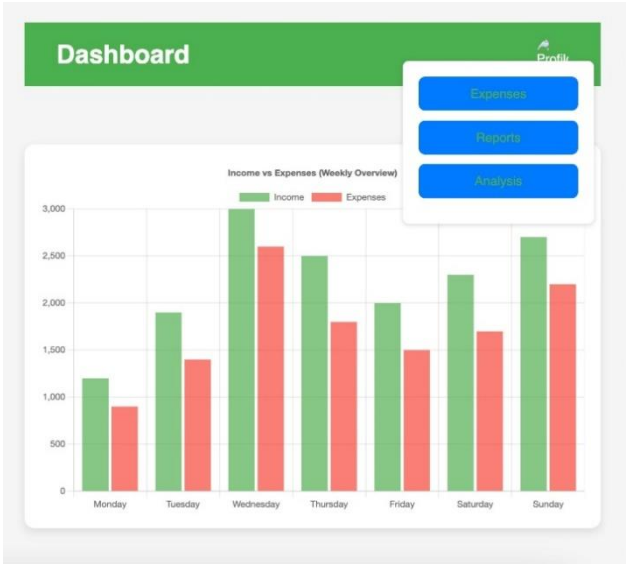
RESULTS AND DISCUSSION SCREENSHOTS:

1.

2.

3.

CONCLUSION

"My Purse" provides a simple yet effective solution for managing personal finances. By enabling users to track, categorize, and visualize their spending, it encourages better financial habits. With its user-friendly interface and real-time expense tracking, the app empowers individuals to take control of their financial well-being.

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