

FIU COLLEGE OF ENGINEERING & COMPUTING

KNIGHT FOUNDATION SCHOOL OF COMPUTING AND INFORMATION SCIENCES

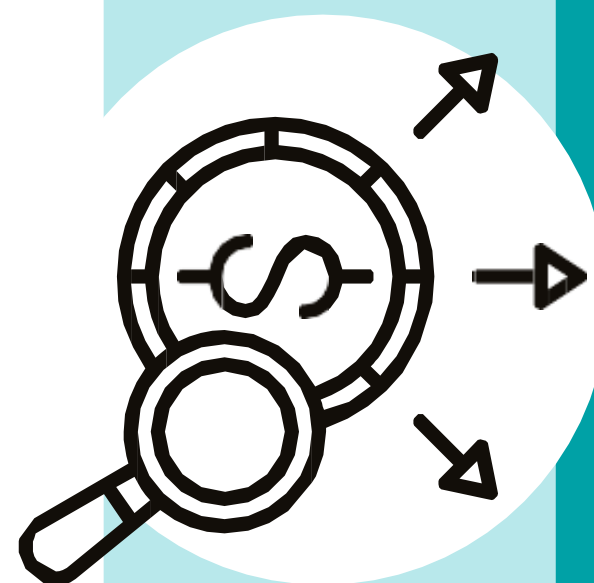
ExpenseFlow - Smart Expense Tracker

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Introduction

Managing personal finances is a challenge for many individuals, especially when expenses, income, and budgeting are scattered across multiple sources. ExpenseFlow was developed to simplify financial tracking by providing a clean, modern, and intuitive interface that helps users record transactions, categorize spending, analyze habits, and monitor overall financial health. The web application focuses on accessibility, aesthetics, and functionality to help users gain better control over their finances.

Motivation

We wanted to design a financial tool that is:

- Simple and beginner-friendly
- Visually appealing
- Fast and responsive
- Useful for students, young professionals, and anyone managing basic finances

Our motivation was to combine UI design, JavaScript logic, and real-world usability to create a functional system that can be expanded into a full budgeting platform.

Results

Using sample transactions, the system successfully displays:

- Real-time financial summaries
- A categorized overview of spending
- A responsive dashboard with modern styling
- An interactive transaction list with timestamps

All calculations update instantly based on user input. The design ensures high readability and smooth user experience.

Conclusion

ExpenseFlow demonstrates how simple web technologies can be combined to create a practical financial management tool. The system provides a strong foundation for future improvements such as user authentication, data storage, charts, and budget automation. It is an effective prototype for helping individuals track and understand their financial behavior.

Future Enhancements

- User login and cloud-based storage
- Pie charts, trend lines, and advanced analytics
- Export to PDF or Excel
- Mobile app version
- Monthly budgeting goals and reminder



Problem Statement

Many people struggle to understand where their money goes each month due to:

- Disorganized spending records
- Lack of visual insights
- No real-time tracking of income and expenses
- Difficulty identifying overspending patterns

This leads to financial stress, poor budgeting decisions, and difficulty saving.

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