



— YOUR SMART EXPENSE HELPER

DollarBot is a user-friendly Telegram bot designed to simplify users' daily expense recording on a local system. It allows users to record new spending, display expenditure for current day/month, show spending history, edit/delete records, set budget, visualize spending and predict future expenses.



INTRODUCTION

- **Email Notification:** Introduced a convenient send-email command. This command sends an email to the user containing detailed expenditure information.
- **CSV Export Command:** Implemented the CSV command to export expenditure details to a CSV file. Users can execute this command to efficiently save and manage their financial data.
- **Weekly Expense Analysis:** Included a weekly analysis command to provide users with a comprehensive analysis of their expenses on a weekly basis.
- **Monthly Expense Analysis:** Included a monthly analysis command, enabling users to gain insights into their spending patterns over the course of a month.
- **Category Management:** Empowered users with the ability to manage expense categories. Users can add, edit, or delete categories according to their preferences.



FUTURE MILESTONES

Multi-Currency Support:
Extend DollarBot's functionality to support multiple currencies, catering to users with diverse financial portfolios.
Implementation:
• Implement a reliable currency conversion API.
• Create a menu for users to select their preferred currency.

Expense Sharing and Splitting
Enable users to share expenses effortlessly with friends, family, or colleagues. Implement a feature that allows users to split bills and track shared expenses.
Implementation:
• Implement a feature to allow users to create and join groups.
• Implement algorithms to evenly or custom-split expenses among group members.

Natural Language Processing (NLP) Integration
Enhance DollarBot's user experience by implementing Natural Language Processing (NLP) capabilities. Enable the bot to respond to casual conversation, making interactions more intuitive and user-friendly.
Implementation:
• Select and train an NLP model with financial-specific and general conversation data

TEST CASES

test_add	test_graphd
test_budget	test_sendEmail
test_budget_delete	test_recurring
test_budget_update	test_estimate
test_budget_view	tert_delete
test_display	test_helper
test_edit	test_history

