



# Dollar Bot



REPOSITORY LINK



DEMO VIDEO



## What is Dollar Bot?

*DollarBot is an easy-to-use user-friendly web application and a Telegram Bot designed to make recording and tracking your daily expenses simple and convenient, anytime and anywhere!!!*

### Test Cases

There are in total **158 test cases** that cover the entire functionality of the bot!

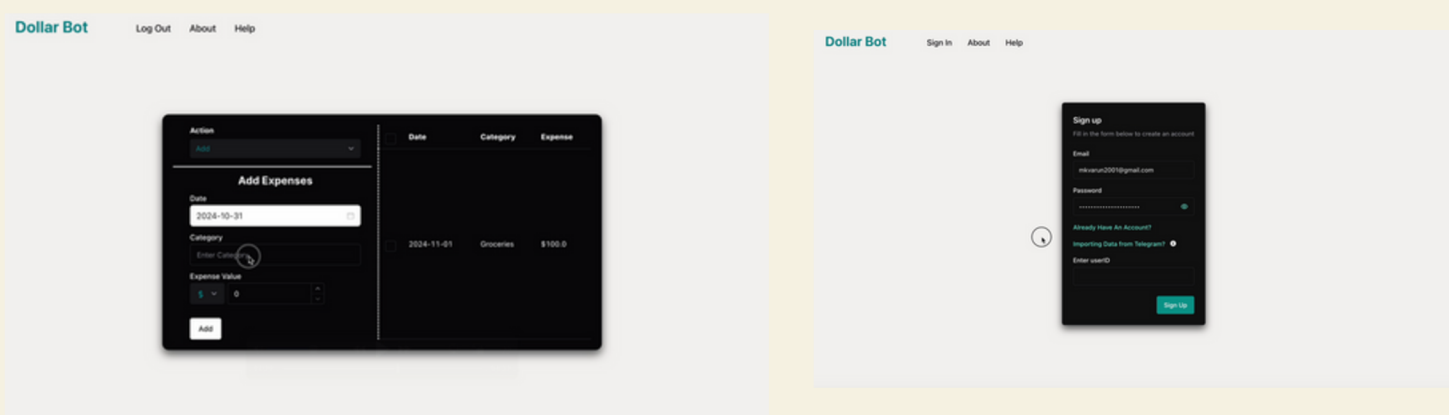
## Why Dollar Bot? / What's new?

- **A brand new web app:** A new web application has been developed that extends the capabilities of the Telegram bot, enabling new users to access the bot's features without needing the hassle of installing Telegram. This web app allows users to effortlessly track expenses from their phones or desktops through an intuitive user interface. It also provides users with the ability to view more detailed information at a glance through interactive visualizations.
- **User Account Management:** We've finally introduced the feature of user accounts! Allowing users to sign-in and sign-out their accounts and maintain separate expense accounts.
- **Cross Platform Integration:** Users of the Telegram Dollar Bot can continue enjoying all its features and seamlessly switch between the Dollar Bot website and the bot itself.
- **Multi-Currency Support:** Log expenses in multiple currencies (USD, INR, EUR, etc.) and view all the data on one dashboard.
- **Bulk Actions:** The Web App allows users to perform bulk actions and edit specific expenses without going through the hassle of typing out multiple commands on Telegram.
- **Database Support:** User Login Data has been stored securely on SQL-Lite.
- **Bug Fixes and Improved Flow:** Addressed numerous bugs and issues to enhance the overall stability and user experience of the application. The latest updates include fixes to issues related to the previous flow of the application, ensuring a smoother and more reliable user interaction. Our commitment to quality assurance and user satisfaction is reflected in these improvements.

## Future Work

- **Implement Additional Features and Visualization Tools:** Enhance functionality by leveraging ReactJS libraries to provide users with additional data visualization options, enable multiple bulk transactions at once, and explore methods to make the web app more user-friendly and seamless.
- **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, making group financial management seamless.
- **Budget Limits and Alerts:** Option to set daily/monthly reminders and alert the user by mailing them if they cross these limits.
- **AI-Driven Financial Insights:** Integrate advanced generative AI algorithms to provide personalized financial insights and recommendations. Leverage machine learning to analyze spending patterns and offer proactive suggestions for optimizing expenses.
- **Financial Goal Setting:** Set short-term and long-term financial goals. Track progress with visual indicators and celebratory notifications.
- **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. Users can engage with DollarBot in a more conversational manner, improving overall usability.
- **Integration with Financial APIs:** Integrate with popular financial APIs to fetch real-time transaction data from bank accounts and credit cards. This enhancement provides users with up-to-the-minute financial information, ensuring accuracy and completeness in their spending records.
- **Smart Notifications and Alerts:** Implement intelligent notification features to alert users about budget limits, unusual spending patterns, or upcoming bills. These proactive notifications will empower users to make informed financial decisions in real-time.

## Screenshots



GROUP 9

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