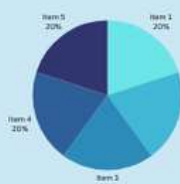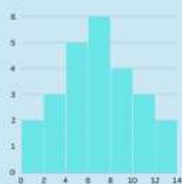# TrackMyDollar
Every Dollar Helps
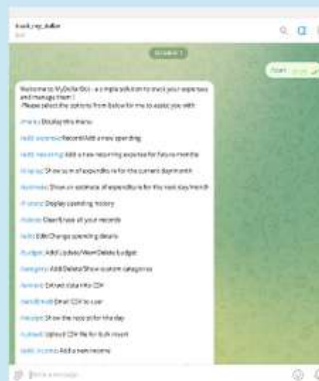
Demo

About the app

Introducing TrackMyDollar: the Telegram bot that takes the guesswork out of your spending, turning your financial chaos into a well-organized masterpiece!

- **Seamless Expense Recording:** Effortlessly add and track daily spending.
- **Comprehensive Budgeting Tools**: View expenditure sums for today/month, manage budgets, and set transaction limits.
- **Visual Analytics:** Interactive pie charts and bar graphs help visualize your spending patterns.
- **Receipt Management**: Upload receipts and document your expenses with ease.
- **AI-Powered Insights:** Get tailored financial advice through integrated AI chat.

Why Choose TrackMyDollar?

- **Effortless Tracking:** Say goodbye to tedious manual entries! Our automated transaction logging saves you time and ensures accuracy, letting you focus on what matters most.

- **Empower Your Spending:** Gain insightful clarity with visual analytics that reveal your spending patterns. Make informed decisions that align with your financial goals!

- **Smart Budgeting:** Never overspend again! Set transaction limits and receive real-time notifications, helping you stay on track and in control of your finances.

- **Seamless Data Management:** Easily export your transaction history in CSV or PDF formats for convenient analysis and record-keeping. Take your financial planning to the next level!

- **Global Currency Flexibility:** Manage expenses in multiple currencies effortlessly. Track your financial health no matter where life takes you, with real-time exchange rates at your fingertips.

Enhancements:

- **Savings Goals Tracker:** Set and monitor progress towards specific savings objectives.
- **Custom Date Reports:** Select specific dates to generate a comprehensive PDF report of all expenses, withdrawals, and income within that time frame for easy review and record-keeping.
- **Scan Receipts:** upload an image of your receipt and save yourself from the hassle of adding expenses everyday

- **60 new test cases added.**

Data analysis models for expense prediction and automated categorization using preprocessed data from Pandas, enabling real-time insights in the Telegram bot.

Developing a user interface for setting savings targets, store the goals in the database, and implement logic to track and display progress against user-defined objectives in real-time using SQL queries.

Implement functionality to query the database for expenses within selected date ranges, generate PDF reports using a library like ReportLab, and provide users with downloadable reports through the Telegram bot.

Migrate user data from local JSON files to a PostgreSQL or SQLite database, designing the schema for expenses and income, implementing CRUD operations with SQLAlchemy, and ensuring real-time data access and updates through the Telegram bot.

Team Members:
Harsh Vora (hkvora)
Aryan Inguva (ainguva)
Anurag Gorkar (adgorkar)

Notes	Self Assessment	Evidence
CSC510 Group 101 Rubrics		
Github Repo Link: https://github.com/CSC510SEFALL2024/MyDollarBot-BOTGo/tree/main		
Total of Self Assesment	104	
Workload is spread over the whole team (one team member is often Xtimes more productive than the others…	3	Github Commits + Discussion SS
but nevertheless, here is a track record that everyone is contributing a lot)	3	Github Commits
Number of commits	3	Github Commits:
Number of commits: by different people	2	Anurag Gorkar: 47 Aryan Inguva: 27 Harsh Vora: 18
Issues reports: there are many	3	Github Project Board
Issues are being closed	3	Github Project Board
Docs: doco generated, format not ugly	3	Github docs
Docs: what: point descriptions of each class/function (in isolation)	3	Github docs
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	Github docs
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	3	Github docs
Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	3	Animated Video
Use of version control tools	3	Github Repo
Test cases exist	3	Test Cases Folder
Test cases are routinely executed	3	Github Actions
Issues are discussed before they are closed	3	We used Discord for coordinting and discussing issues. Discussion SS
Chat channel: exists	3	Discussion SS
Test cases: a large proportion of the issues related to handling failing cases.	3	Issues
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3	We are using Github as version control and have a shared requirements.txt file, which help us manage the python packages version across branches and versions

Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3	requirements.txt
Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer)	3	
Evidence that the members of the team are working across multiple places in the code base	3	
Short release cycles	3	Github Commits
The file .gitignore lists what files should not be saved to the repo. See [examples]i(https://github.com/github/gitignore)	3	.gitignore file
The file INSTALL.md lists how to install the code	3	INSTALL.md file
The file LICENSE.md lists rules of usage for this repo	3	LICENSE.md
The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see example	3	CODE_OF_CONDUCT.md
The file CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up; e.g. see example	3	CONTRIBUTING.md
The file README.md contains all the following	3	README.md
Video	3	New features video
DOI badge: exists. To get a Digitial Object Indentifier, regiser the project at Zenodo. DOI badges look like this:	3	Badges can be found in README.md
Badges showing your style checkers	3	Badges can be found in README.md
Badges showing your code formatters.	3	Badges can be found in README.md
Badges showing your syntax checkers.	3	Badges can be found in README.md
Badges showing your code coverage tools	3	Badges can be found in README.md
Badges showing any other Other automated analysis tools	3	Badges can be found in README.md
Does your website and documentation provide a clear, high-level overview of your software?	Yes	
Does your website and documentation clearly describe the type of user who should use your software?	Yes	
Do you publish case studies to show how your software has been used by yourself and others?	No	
Is the name of your project/software unique?	Yes	Track My Dollar
Is your project/software name free from trademark violations?	Yes	
Is your software available as a package that can be deployed without building it?	No	
Is your software available for free?	Yes	
Is your source code publicly available to download, either as a downloadable bundle or via access to a source code repository?	Yes	GitHub

Is your software hosted in an established, third-party repository likeGitHub (https://github.com), BitBucket (https://bitbucket.org),LaunchPad (https://launchpad.net) orSourceForge (https://sourceforge.net)?	Yes	GitHub
Is your documentation clearly available on your website or within your software?	Yes	GitHub ReadMe
Does your documentation include a "quick start" guide, that provides a short overview of how to use your software with some basic examples of use?	Yes	GitHub ReadMe
If you provide more extensive documentation, does this provide clear, step-by-step instructions on how to deploy and use your software?	Yes	GitHub ReadMe
Do you provide a comprehensive guide to all your software's commands, functions and options?	Yes	USE_COMMANDS.md
Do you provide troubleshooting information that describes the symptoms and step-by-step solutions for problems and error messages?	No	
If your software can be used as a library, package or service by other software, do you provide comprehensive API documentation?	No	
Do you store your documentation under revision control with your source code?	Yes	GitHub ReadMe
Do you publish your release history e.g. release data, version numbers, key features of each release etc. on your web site or in your documentation?	Yes	GitHub ReadMe
Does your software describe how a user can get help with using your software?	Yes	Yes the /menu command lists all the commands available to the user
Does your website and documentation describe what support, if any, you provide to users and developers?	No	
Does your project have an e-mail address or forum that is solely for supporting users?	No	
Are e-mails to your support e-mail address received by more than one person?	No	
Does your project have a ticketing system to manage bug reports and feature requests?	Yes	Projects Board
Is your project's ticketing system publicly visible to your users, so they can view bug reports and feature requests?	Yes	Projects Board