

SplitIt - Expense management, simplified.



Version i

Introduction

Have you also spent a considerable amount of time trying to split expenses with friends and family? Who hasn't!

SplitIT (formerly MyExpenseBot) is a telegram bot that can simplify splitting shared expenses on the go with a ton of intuitive budgeting and analytics features.

With SplitIT, users can add friends, create groups, manage shared expenses, analyse spending patterns, and keep track of their expenses.

Components

- Telegram bot

The telegram bot was the core of the application which was essentially an expense tracker. One could record their income and expenditure using the telegram app and the bot provided some elegant insights and visualisations.

- Python backend

The business logic was written as a python backend. While this worked, it consisted concepts such as group expenses which were never really implemented properly.

Version i + 1

How did we make it better?

- **Addition of UI** - using multiple commands to add a single expense got cumbersome, so we introduced a UI to make the process intuitive. With this, the user needn't download the telegram app to use the app.
- **Multi-device sync** - initially the files were stored locally, with the introduction of a hosted database users can now add expenses using the device of their choice, all in sync!
- **FRIENDS!** - now you can add expenses split among friends. Users can now check how much they owe their friends all at one place, so no more trying to remember from memory
- **Unequal expense split** - an expense can now be split as granular number inputs -- more like real life spendings
- **Backward compatibility** - the telegram bot still works as intended, and the data is now all in sync on the UI. The bot can still be your primary expense logger!

Tech stack



Know more

Repo URL QR

The README has all you'd want to know



Version i + 2

Why should you decide to work on SplitIt?

As we redesigned the application, we realised that the scope of expansion for the project is endless. We set on to achieve a lot of ambitious things as we went from version i -> version i + 1. While we made strides by putting the framework in place, SplitIt can now add many more user-first features

- **Receipt scanning support** - It would be ideal to have no need to manually calculate and split expenses with a ton of items, with this feature users would be able to click a picture of the receipt and select the shares per user, the SplitIT does the rest
- **Email reminders** - a mail client integration that could send emails on demand to remind the friends to settle up would be of huge value.