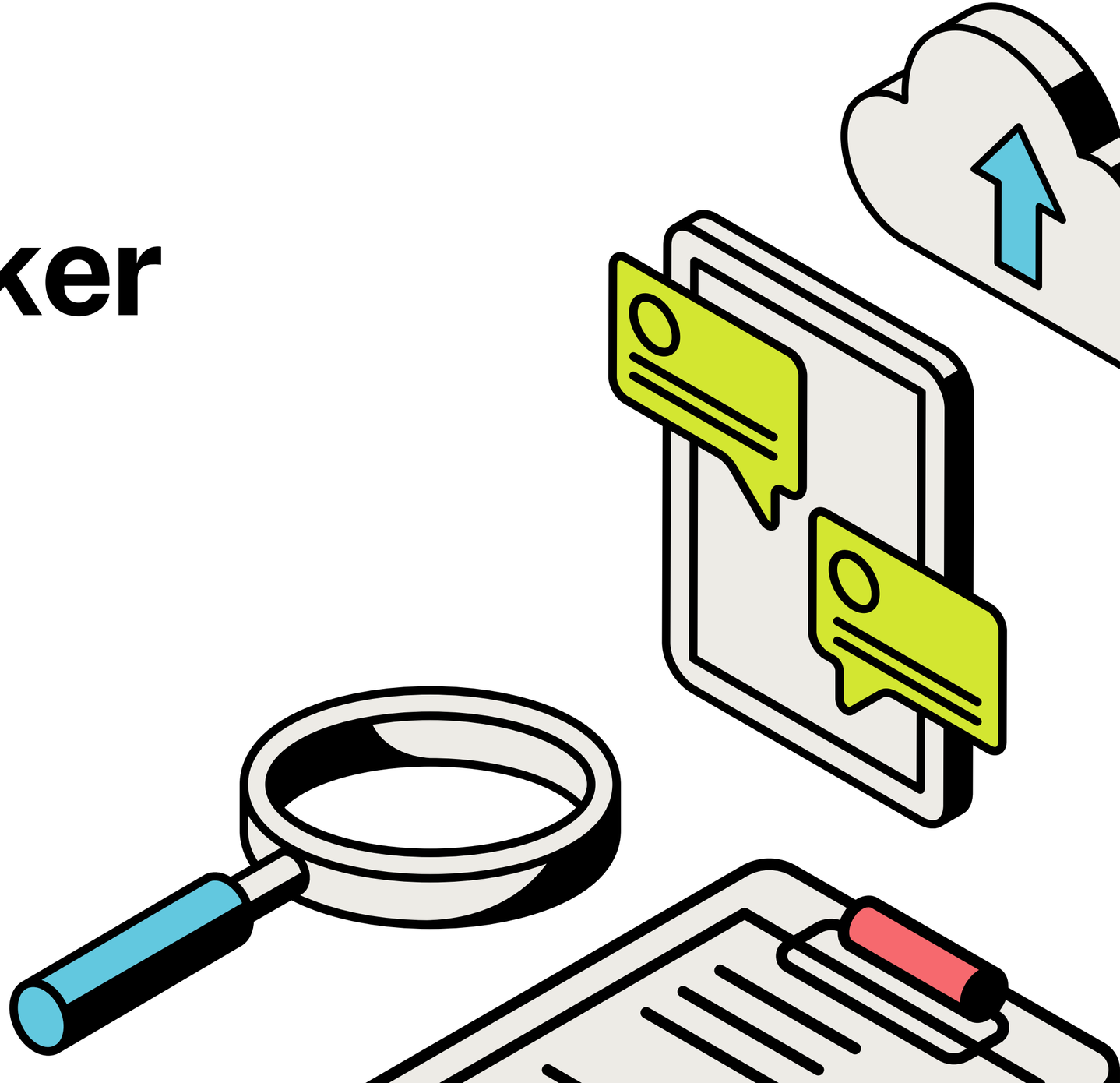
PYTHON APP

Grocery Tracker App

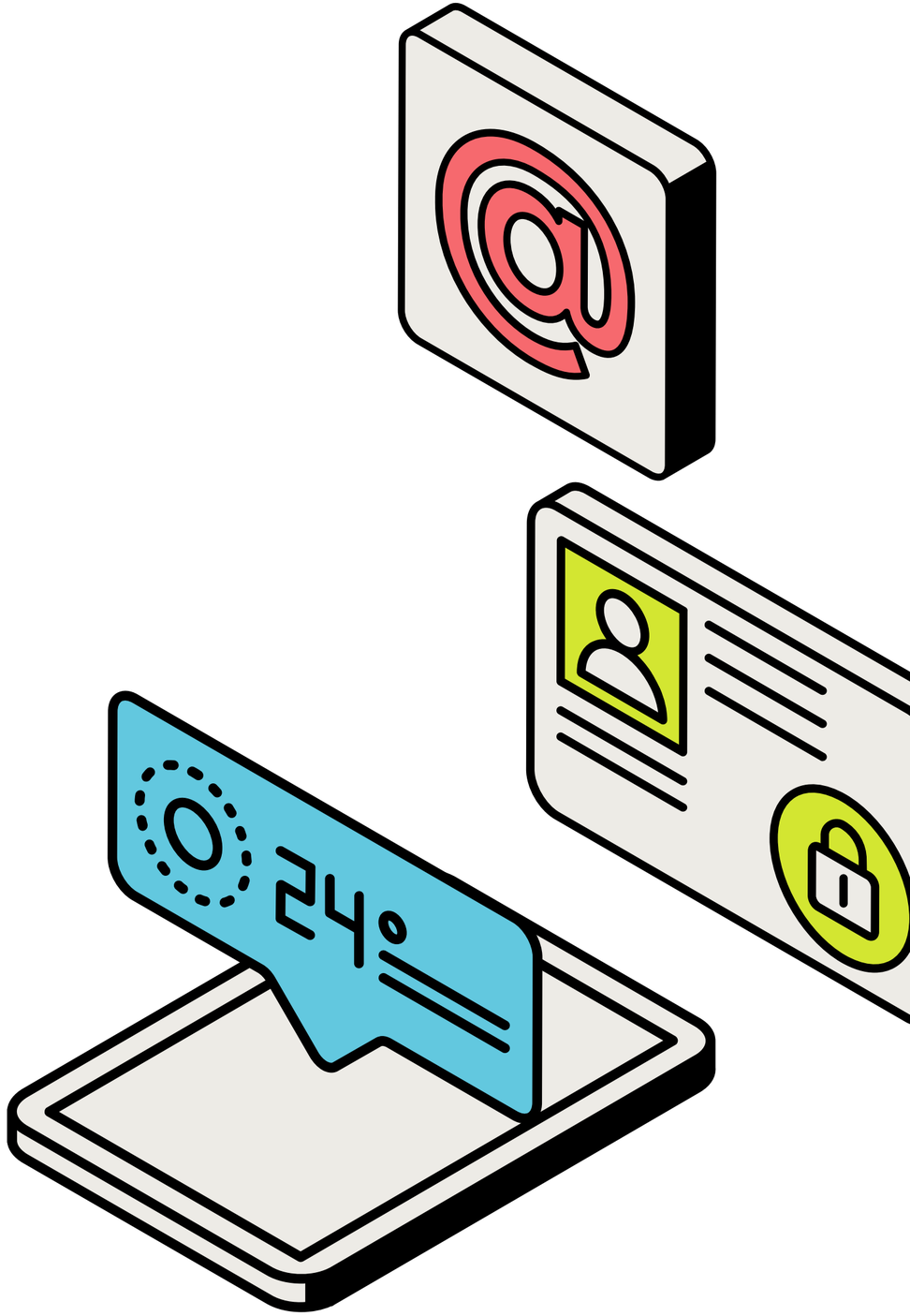
Prepared by: Group K



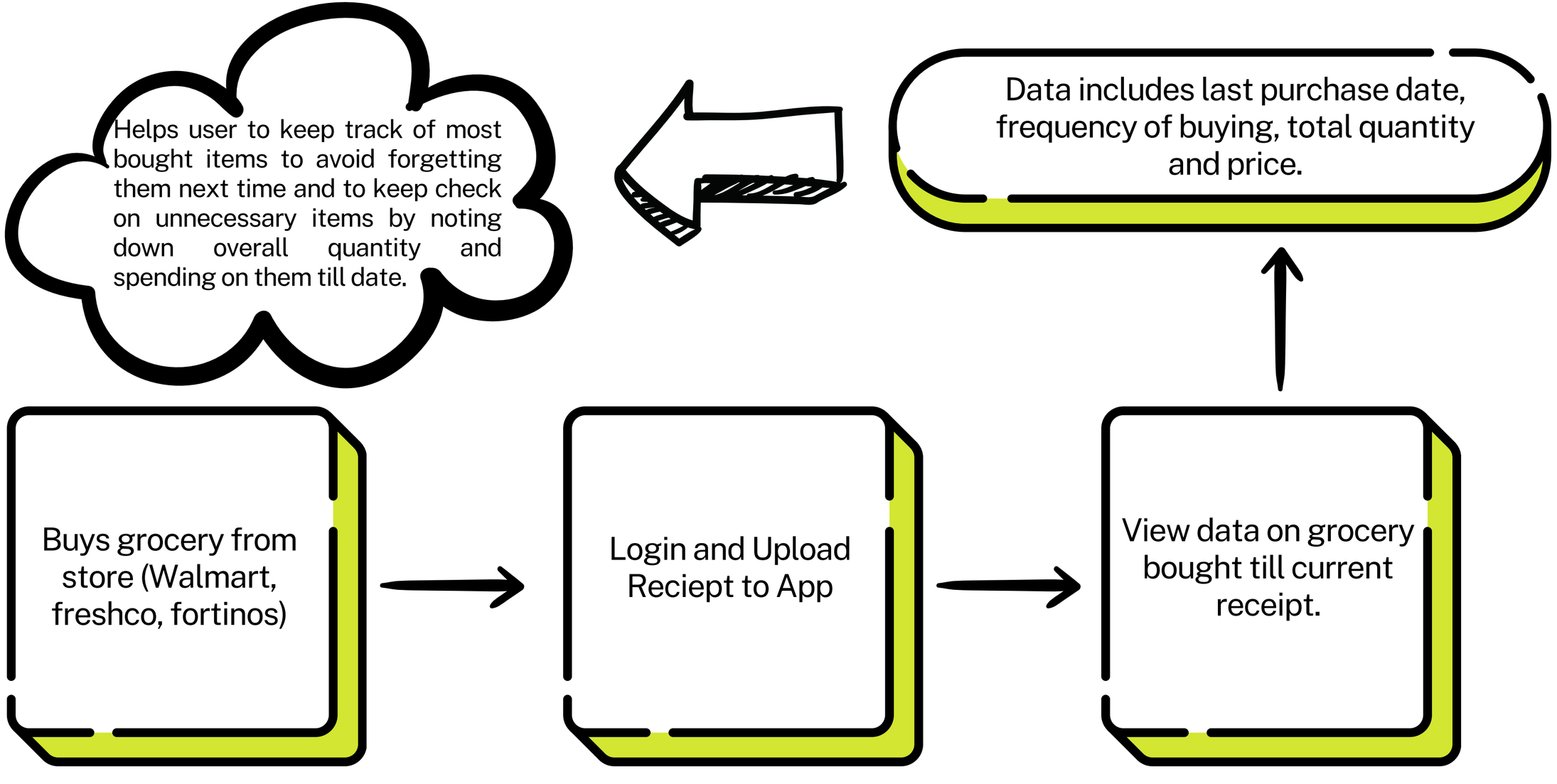
In this document:

Problem case

In today's busy world, keeping track of grocery shopping can be tough. People often struggle with remembering everything they need, spending more than planned, and finding it hard to plan meals because they aren't organized. Using old-school methods like paper lists or trying to remember everything in your head can lead to mistakes and waste time.



Solution overview



Tech Stack

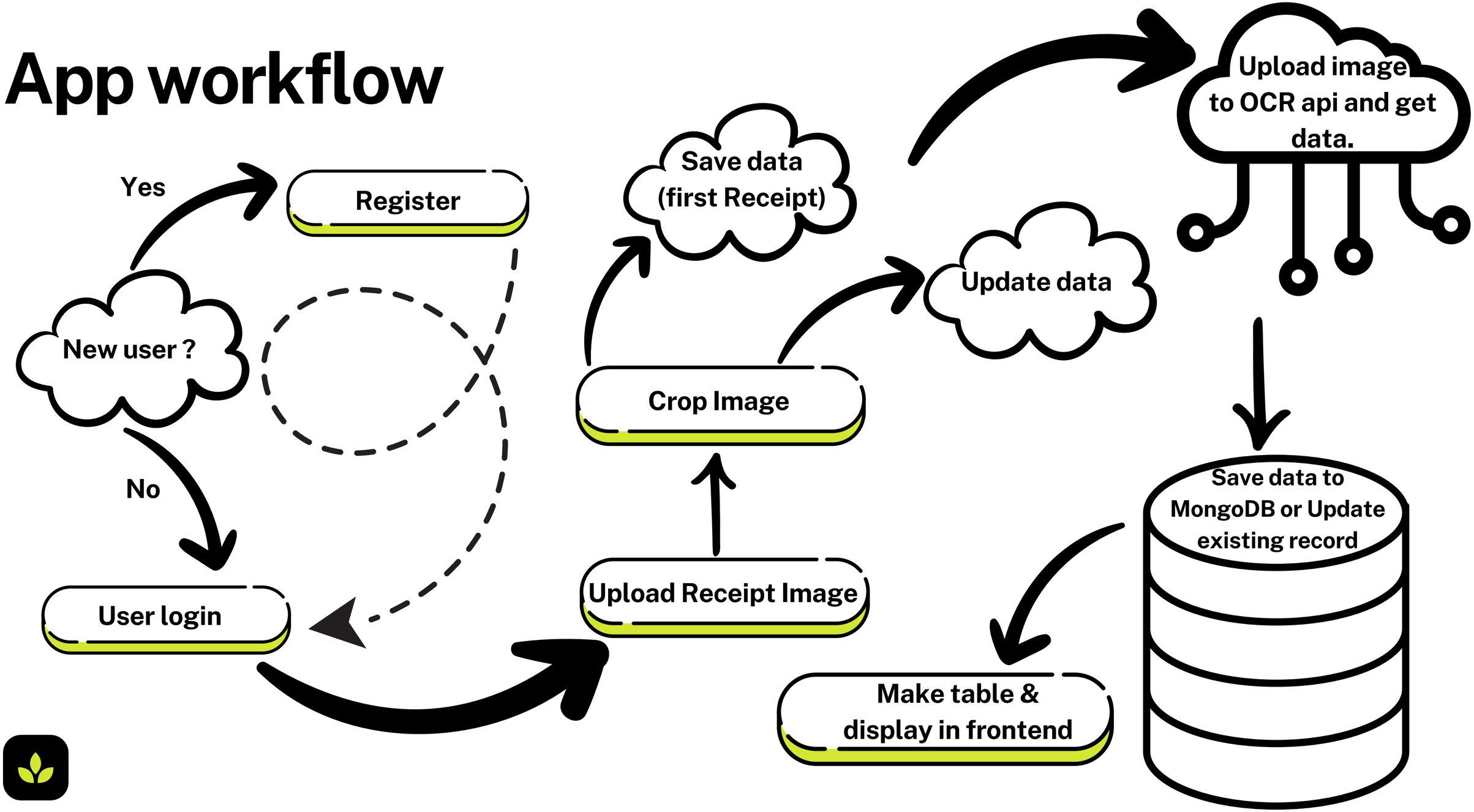
Streamlit

mongoDB

FastAPI

VERYFI

App workflow



OCR API Overview

Veryfi ocr is a powerful api for extracting unstructured from receipts, documents and images. It is fast, reliable and easy to deploy. It can be used with multiple programming languages such as java, js, python and many more.

User benefits:

- Provides 14 days trial without requiring and payment method.
- After trial period, user can switch to free plan for 50 docs/ month usage, enough for our app.

Usalbility:

- Create a free account on **veryfi**.
- Go to settings - keys - copy production key, secret and username.
- Register in grocery tracker app.
- Login in grocery tracker app using your username to add data or view existing.

Learnings

- Learnt about building a simple backend using fast api in python.
- Implemented streamlit for building user interfaces in python.
- Executed pymongo commands to work with mongoDB nosql database.
- Used GitHub for version control.

Improvment scope:

- Building frontend using actual web technologies such as reactJS.
- Adding options voice notes to for reminders and web based filters to figure out data items.

GitHub Link: https://github.com/git-nitin01/grocery_tracker

App walkthrough