■ README.md

GridScanner

Overview

This module has a Web user interface to use GridScanner. It employs two other modules (CUTIE Model Server and Invoice Placeholder API) to process an invoice. The user will submit an invoice using Browser, and GridScanner will scan for invoice details. After invoice processing, it will produce an Excel file that can be downloaded or uploaded to the user's drive after Google authentication.

Tech Stack

- Ptyhon: It is easier to write programs in Python compared to other Scripting Languages. It is also enriched with a lot of useful libraries.
- FastAPI : It is a modern Python web framework designed to: provide a lightweight microframework with an intuitive, Flask-like routing system.
- · ASGI server: ASGI server made FastAPI easy to run an async event loop that counts incoming requests.

How to run

- Run pip install -r requrements.txt to install required python libraries.
- Export Environment Variables using source .env
- Run uvicorn app:app to start the server.
- Go to http://127.0.0.1:8000 to access the UI.

Run using docker

- \bullet Build doker image using docker build -t gridscanner .
- Run using docker run --env-file=.env.docker -it --rm -p 8000:8000 gridscanner:latest
- The app ui is exposed at http://localhost:8000

Challenges faced

- · Handled asyncronous call to modules.
- Request and response of multipart/form-data.