

GridScanner

Overview

This module has a Web user interface to use GridScanner. It employs two other modules (`Placeholder API`) to process an invoice. The user will submit an invoice using Browser, and After invoice processing, it will produce an Excel file that can be downloaded or uploaded to

Tech Stack

- Python : It is easier to write programs in Python compared to other Scripting Languages and its rich libraries.
- FastAPI : It is a modern Python web framework designed to: provide a lightweight microservices system.
- ASGI server : ASGI server made FastAPI easy to run an async event loop that counts

How to run

- Run `pip install -r requirements.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

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

Challenges faced

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