9 GUVI

Capstone Project 3

BizCardX: Extracting Business Card Data with OCR

Using Python, easy OCR, Streamlit, SQL, Pandas

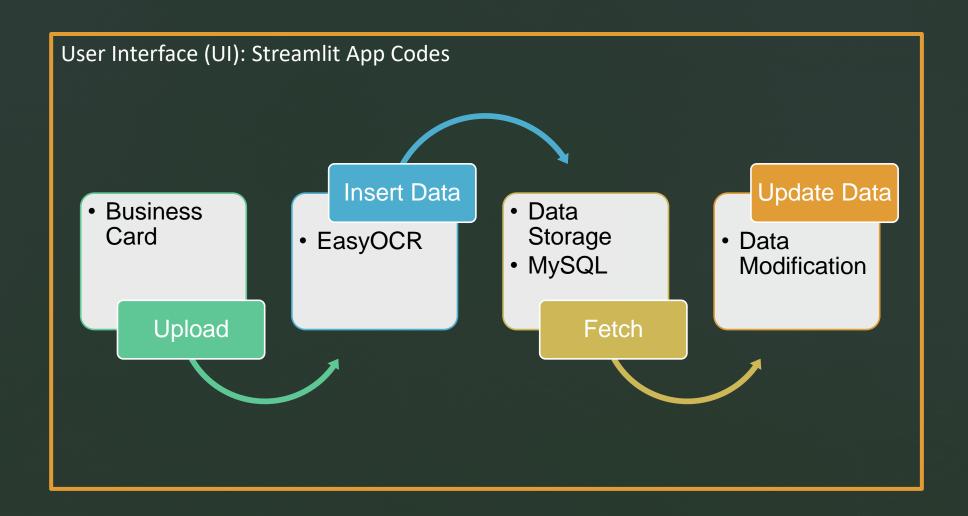
Rajaguru Irusan

Project Overview

Objective

BizCardX offers a streamlined solution for the seamless retrieval of data from business cards by harnessing the capabilities of Optical Character Recognition (OCR) via the EasyOCR Python library. The project is engineered for ease of use, featuring a simple setup, minimal dependencies, and straightforward incorporation into the development workspace.

Project Workflow



System Requirements

- Visual Studio Code Version: 1.85.1 or later
- MySQL and MySQL Workbench Version: 8.0.34 or later

Note: Install the above tools to execute the project.

PIP Installations

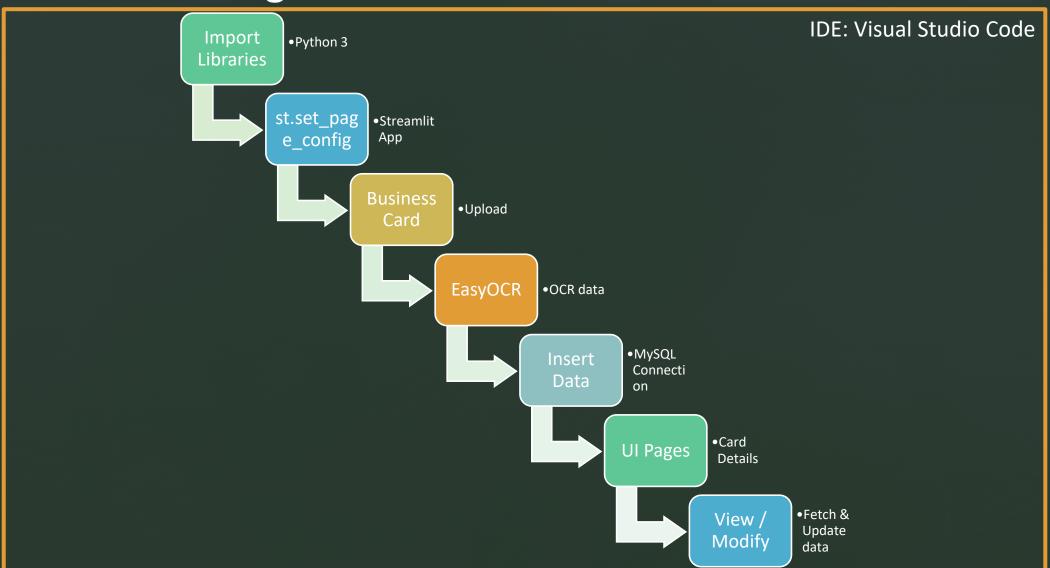
- pip install mysql-connector-python
- pip install pandas
- pip install streamlit
- pip install streamlit-option-menu
- pip install easyocr
- pip install Pillow
- pip install opency-python-headless
- pip install matplotlib

Note: Install the above pip in the respective IDE terminal (Eg: VS Code terminal or Run in cmd for Windows)

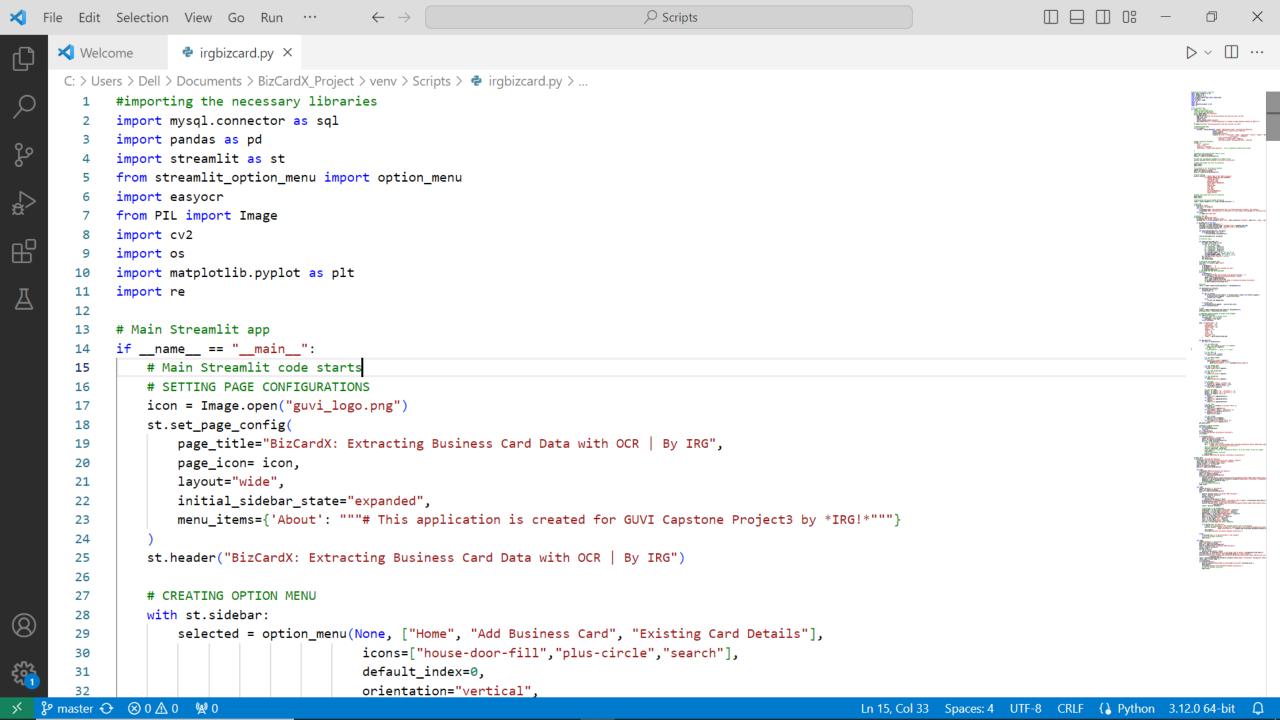
Coding References

- GITHUB Repositories
- EasyOCR
- Streamlit Documentation

Coding Flow



Annexure: Output Video



Neither CUDA nor MPS are available - defaulting to CPU. Note: This module is much faster with a GPU. Neither CUDA nor MPS are available - defaulting to CPU. Note: This module is much faster with a GPU.

Thank You!!!