Note all the categories that the user spends on

Keep on adding if any new category is added

Display summary of all the categories

**NLTK / Spacy for NER (Named Entity Recognition)**

**Numpy, pillow and openCV to** processes images

**Pytesseract** python module for OCR

**Numpy and pandas** for data processing.

Future enhancements – capture images from webcam, from image detect the language automatically.

<https://stackabuse.com/pytesseract-simple-python-optical-character-recognition/>

Flow:

Get image

Image segmentation and processing using numpy, pillow and openCV

Feed each segmented image to py-tessaract and extract information

Get the conversion to text

Store into a CSV

Using Spacy / NLTK for named entity recognition and categorization

Use the categorization to provide summary using python modules like Matplotlib / plotly

Finally provide user with the extracted data into a CSV

Future enhancements:

* Automatic language detection from invoice.
* Result CSV file in same language
* Allow image upload from phone camera and webcam