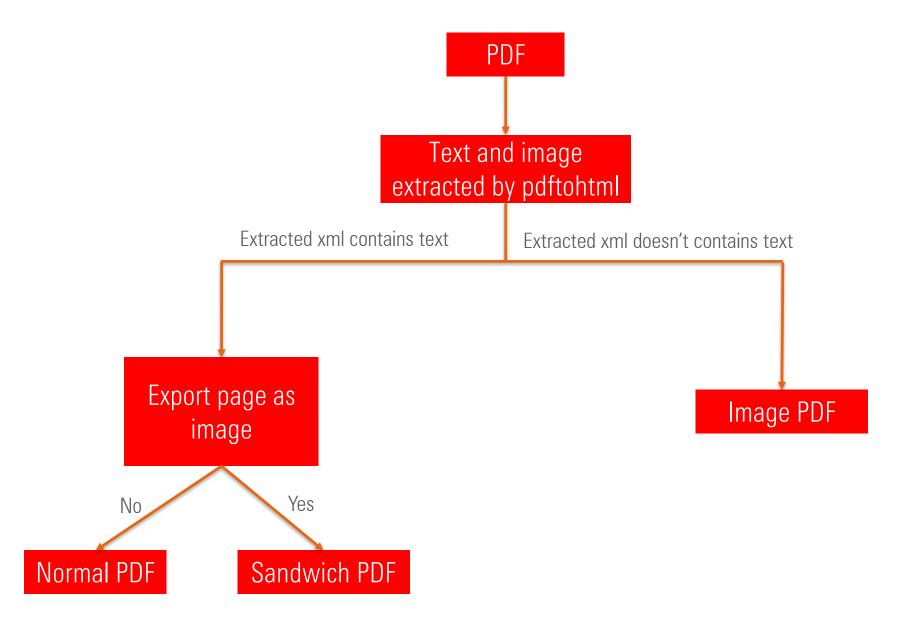
PDF Table Extractor

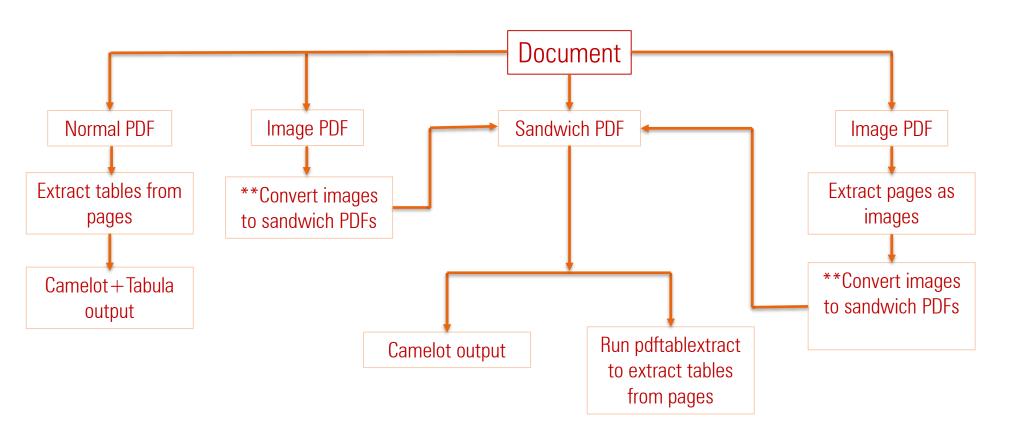
-Pratik Bhavsar

How it works!

Find type of PDF



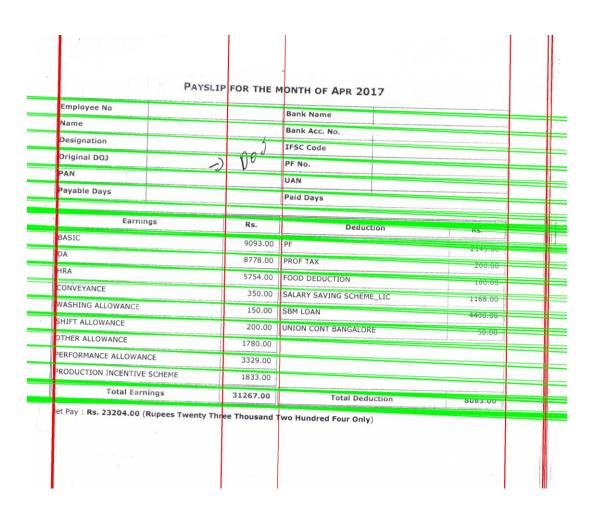
Flow chart



pdftablextract

Rs.
2145.00
200.00
100.00
1168.00
4400.00
50.00
30.00

pdftablextract



Output folder structure

Put the image/PDF to be parsed in test folder and the outputs can be found in outputs folder in a folder with the name of image/PDF

- ► /output
 - ▶ original_filename-camelot.csv
 - ▶ original_filename-tabula.csv
 - ▶ original_filename-tablextract.csv

Output folder structure

Individual file output folders

- ► /tables contains our required tables in 2 folders
 - ▶ /camelot Outputs by camelot library which is preferred
 - ▶ /tabula outputs by tabula library
 - ▶ Tables extracted by pdftablextract
- ► /texts contains temporary text
- ► /images contains intermediate image exports
- ► /logs contains logs for debugging

Config

```
"input_folder": "../test",

"output_folder": "../outputs",

"delete_temp": "true",

"pool_size": 8,

"generate_images_dpi": 200,

"MIN_COL_WIDTH": 60,

"MIN_ROW_WIDTH": 60
```

Solution highlights

- ► Works on all kinds of PDFs and images
- ► Uses all open source libraries
- ► Uses multithreading for faster processing
- ► Solution made in Python

Dataset referred

Given dataset and a collection of pdfs of annual report of companies

Current challenges

- ► Problems in images/image based pdf
 - ▶ Difficult to detect table grid in tables without lines
 - ▶ Difficult to find table grid in pages containing both table and text
 - ▶ Difficulty with images with small font or low DPI

Thank you.