

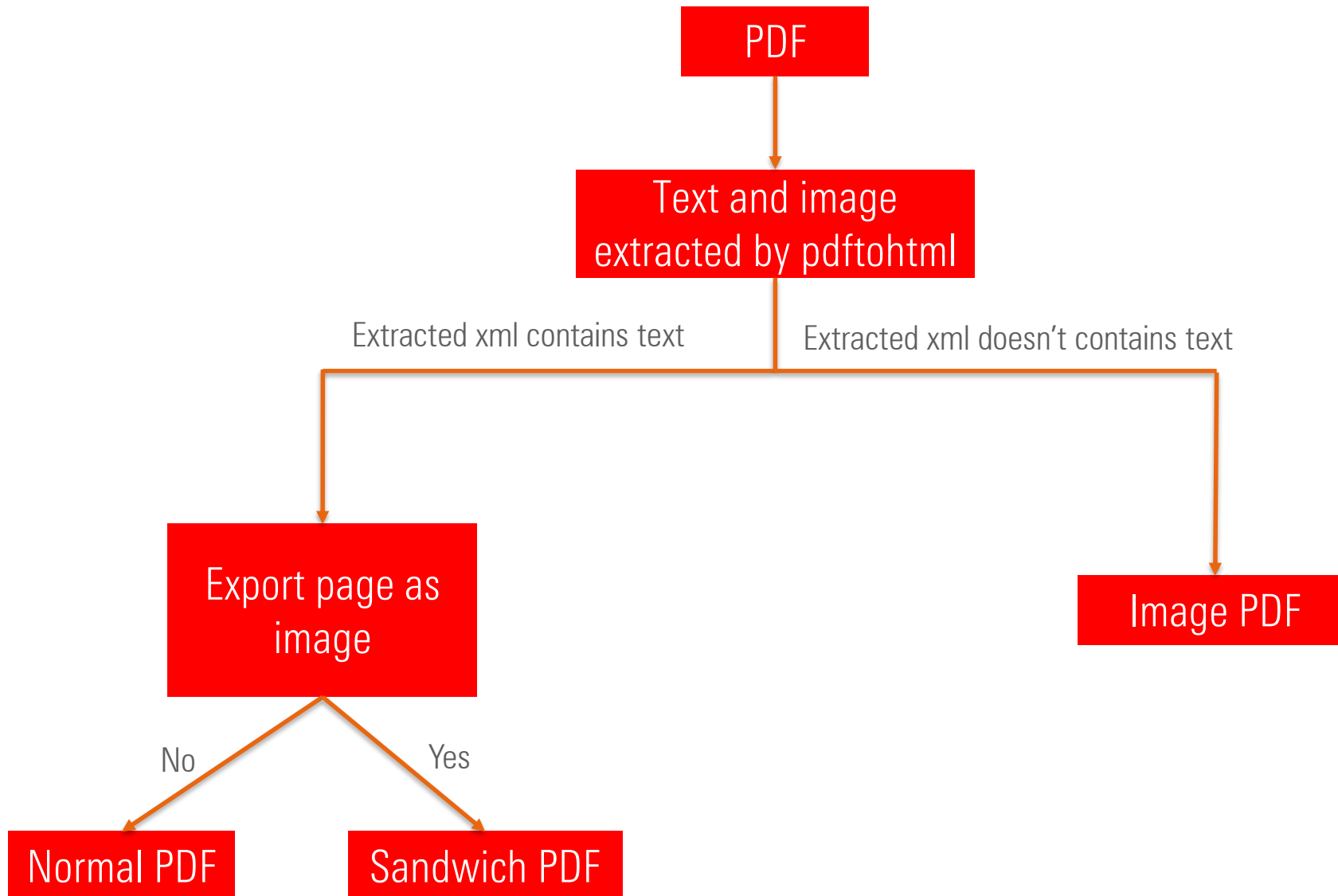
# PDF Table Extractor

-Pratik Bhavsar

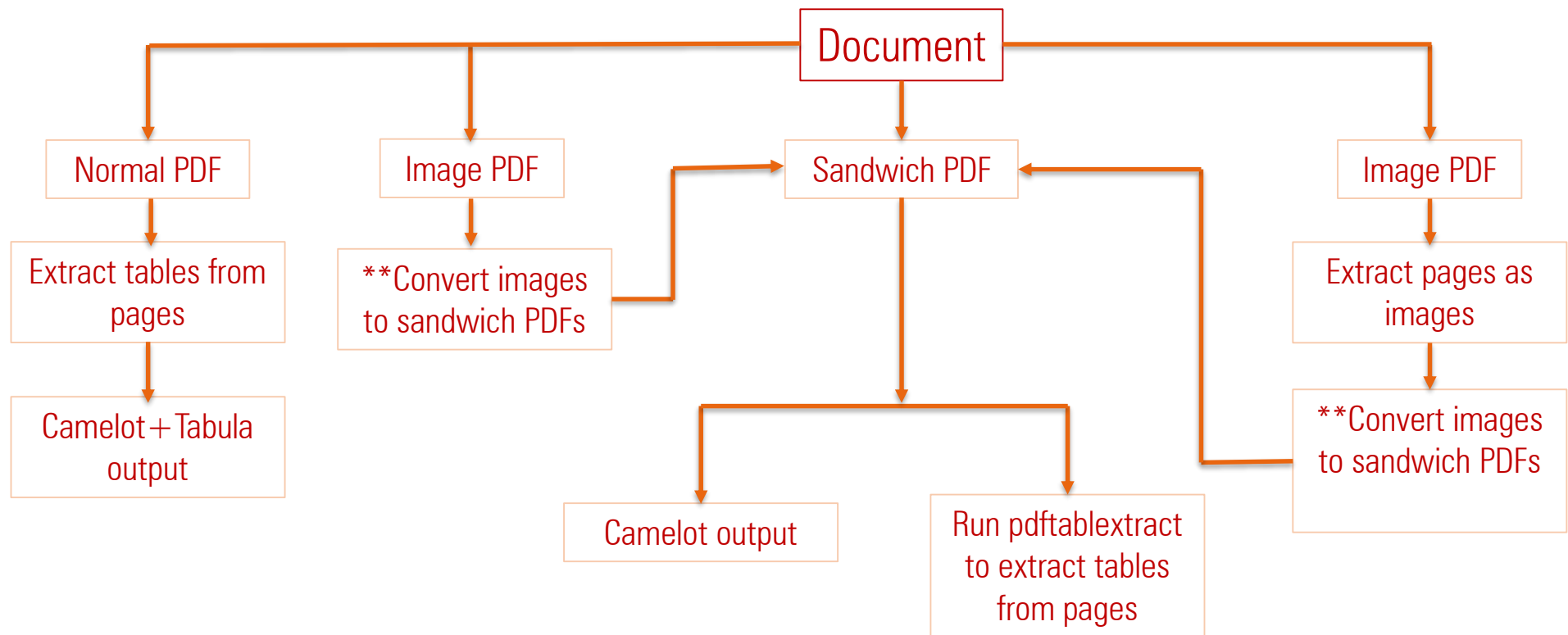
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How it works!

## Find type of PDF



# Flow chart



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## 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-tableextract.csv

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## Output folder structure

### Individual 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

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## 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  
}
```

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## Solution highlights

- ▶ Works on all kinds of PDFs and images
- ▶ Uses all open source libraries
- ▶ Solution made in Python



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## Dataset referred

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

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## 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
  - ▶ Images with small font or low DPI

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Demo – Please check the demo video.

Thank you.