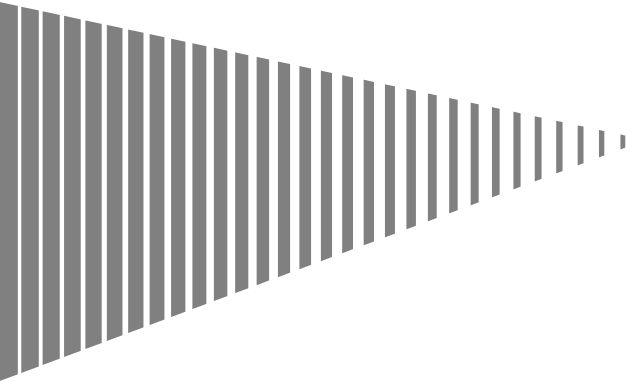


Document Digitization of Indian Passport

Business Case

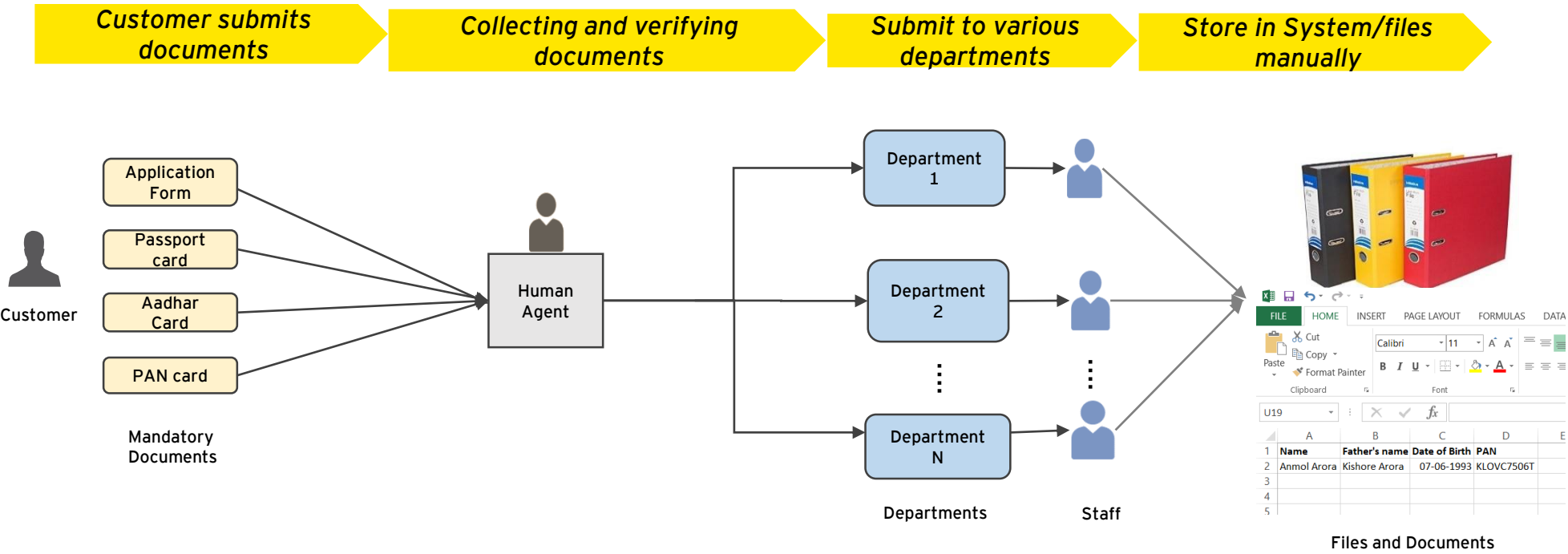


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Problem Statement

Process of extracting data from Passport card and storing it manually in files is very time consuming task which requires lot of human effort.

Current Process / Solution



Challenges

Misplacement

Disarrangement

Searching

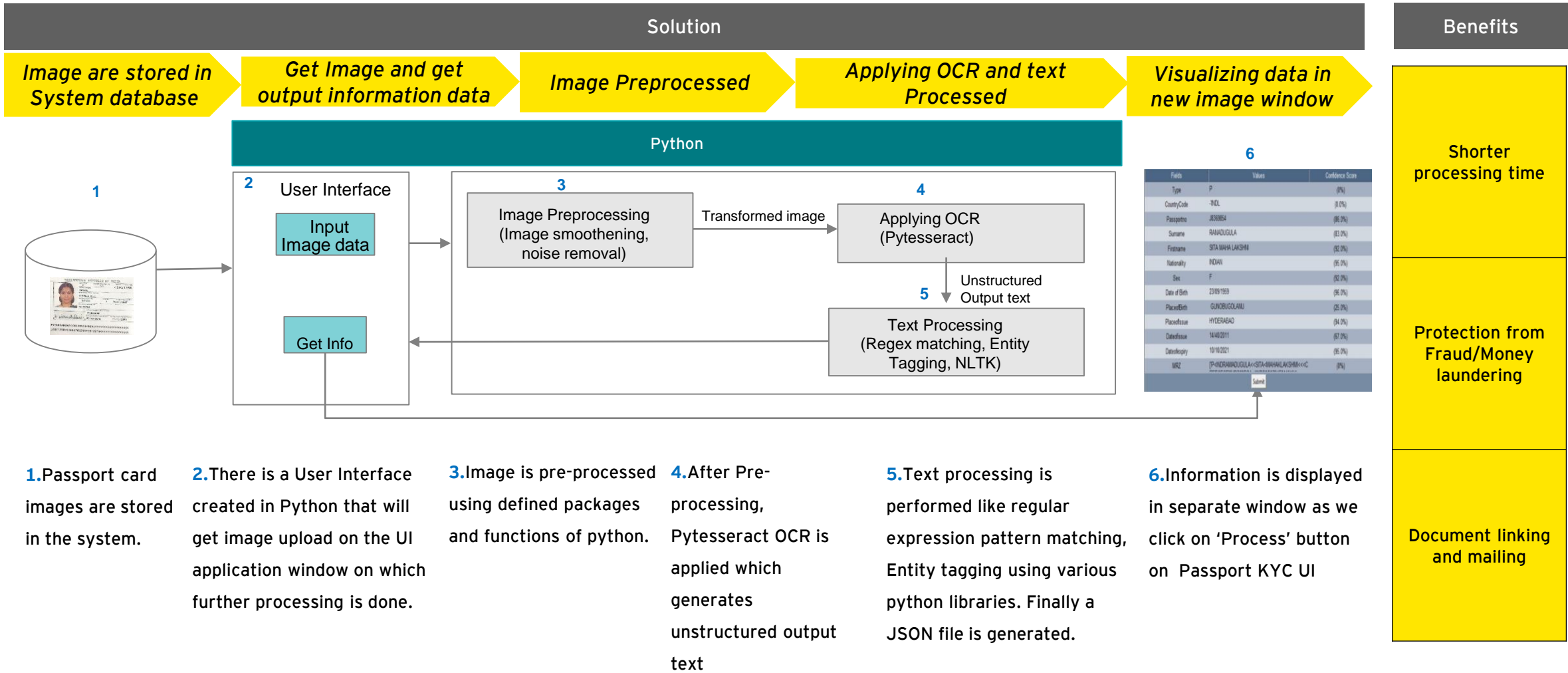
Segregation

Collaboration

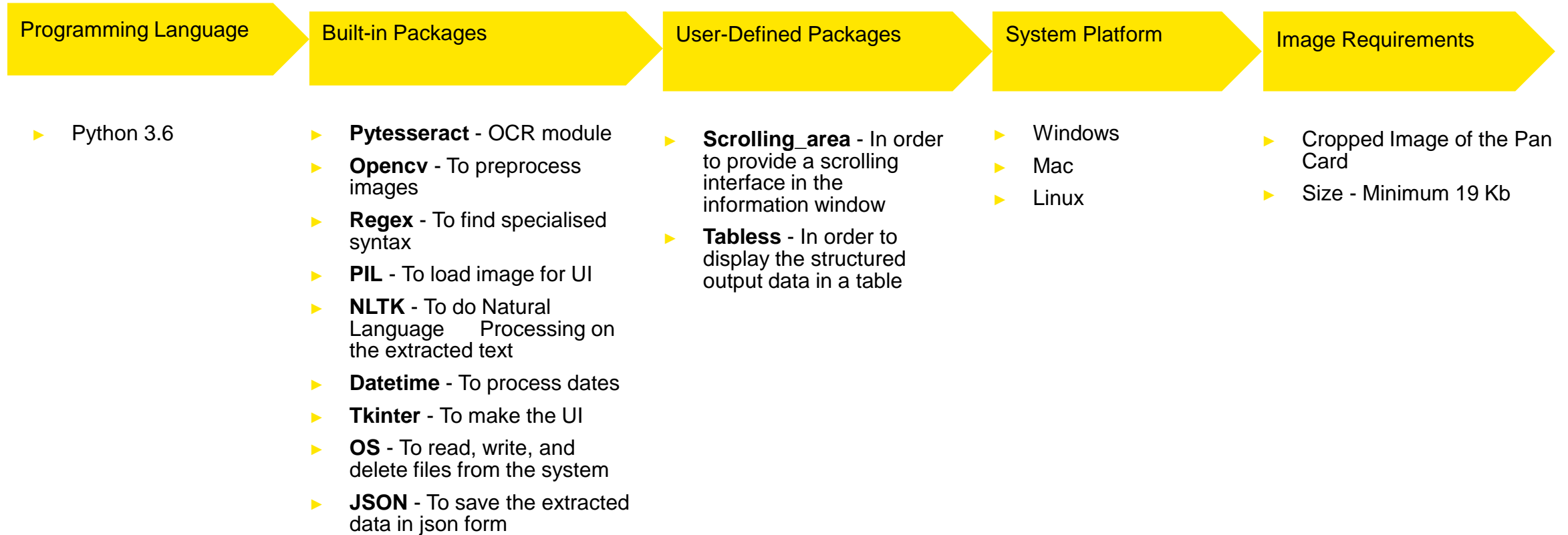
Document security problems

KYC of PAN card Approach

Objective: To develop and run an effective KYC application on Indian PAN card images, in order to extract data for in-person verification with least human intervention.



Prerequisites :



Application Execution:

Step 1: Passport Card Application Interface Window

Grid Manager


No Image Selected

Open New Image

Reset

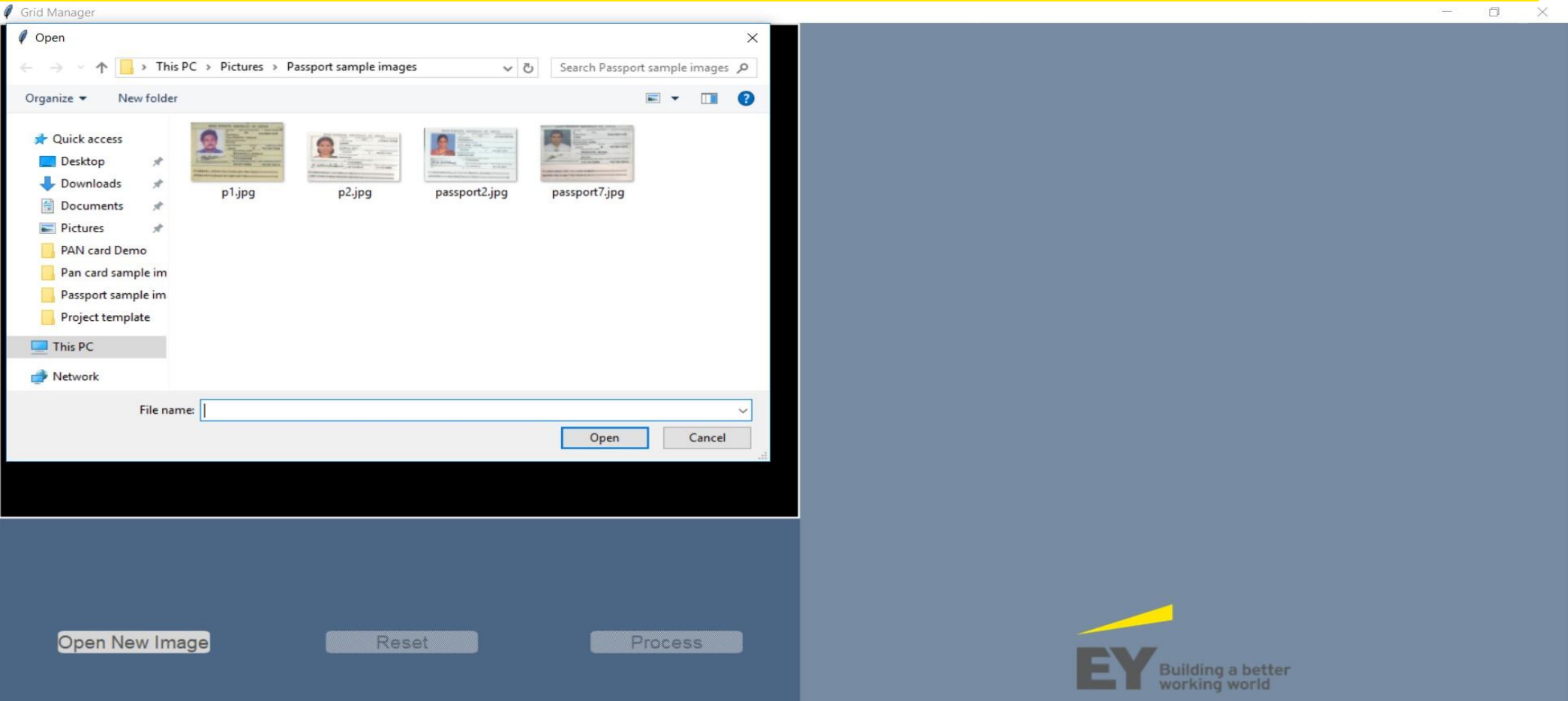
Process

Fields	Values	Confidence Score
	NaN	
	NaN	
	NaN	

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Application Execution:

Step 2: Browse image and open it on Application window



Application Execution:

Step 3 :

Image opens in Image viewer



Application Execution:

Step 4 :

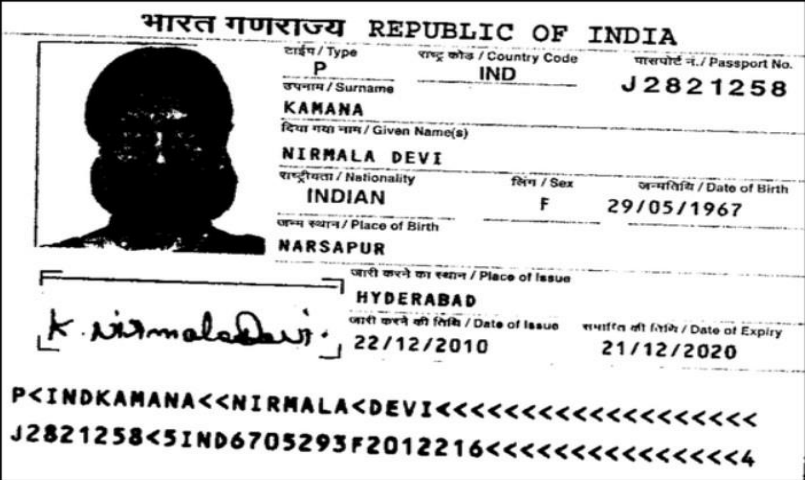
Grayscale Image opens in Image viewer when process button is clicked



Application Execution:

Step 5 : Passport card Information is displayed on new window with confidence score

Grid Manager




Open New Image

Reset

Process

Fields	Values	Confidence Score
Type	P	(83.0%)
CountryCode	NAN	(0%)
Passportno	J2821258	(90.0%)
Surname	KAMANA	(91.0%)
Firstname	NIRMALA DEVI	(81.5%)
Nationality	INDIAN	(92.0%)
Sex	F	(92.0%)
Date of Birth	29/05/1967	(95.0%)
PlaceofBirth	NARSAPUR	(91.0%)
PlaceofIssue	HYDERABAD	(91.0%)
DateofIssue	22/12/2010	(95.0%)
Dateofexpiry	21/12/2020	(80.0%)
MRZ	[P<TNDKAMANAX<NIRMALACDEVI<CCCCCCECEC	(0%)

Submit

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Appendix A : Python Script for Passport card information extraction



UI2pass.py

Appendix B : Pssport card KYC media file



Passport.mp4