DOMAIN: ML

PS 1: VIDEO KYC APPLICATION

THE IRREGULARS

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PROBLEM STATEMENT

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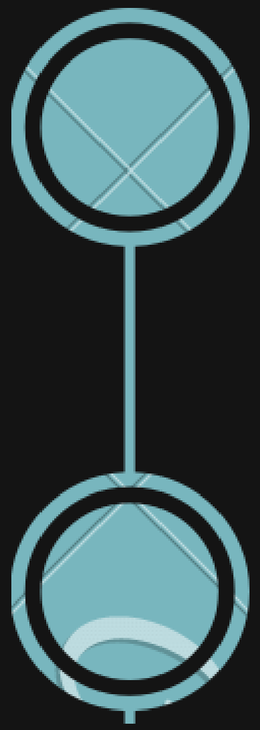
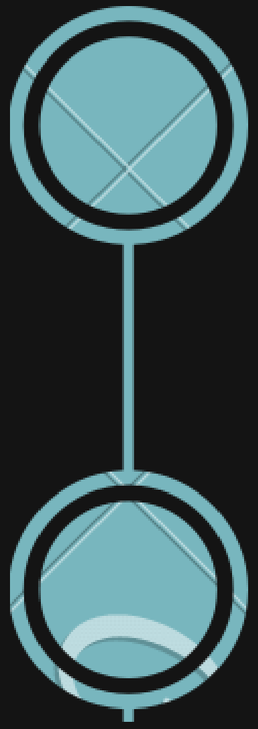
- Earlier KYC verification was done in person, but due to COVID-`9, banks are trying to implement a way to perform KYC virtually.
- Your task is to create a web application in which user will upload the government documents.
- The ML model will try to perform some type of verification and verify that the person uploading those documents is a legit user.

OUR APPRAOCH



Upload details, recent photo of user and scanned copy of PAN Card.

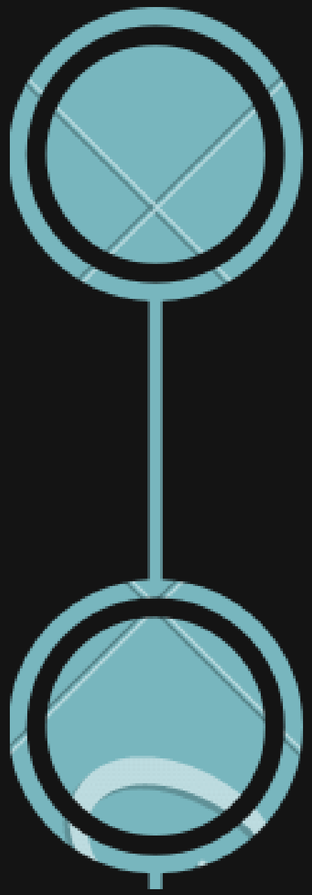
Capture image of the person uploading documents via webcam.



Extract photo and text details from PAN Card.

To validate document:

- Extract Government official logos and compare.
- Compare extracted text data from PAN Card with the one user provided.



To validate User:

- Compare the similarities between the uploaded photo, extracted photo (from PAN) and captured photo from webcam.

Return the final validation message

TECH AND FRAMEWORKS USED

- Machine Learning:
  - Tensorflow and Keras on Google Colab
- Web App:
  - Flutter 2.0 [web]
- REST API:
  - Flask
- Web hosting:
  - Heroku

THANK YOU