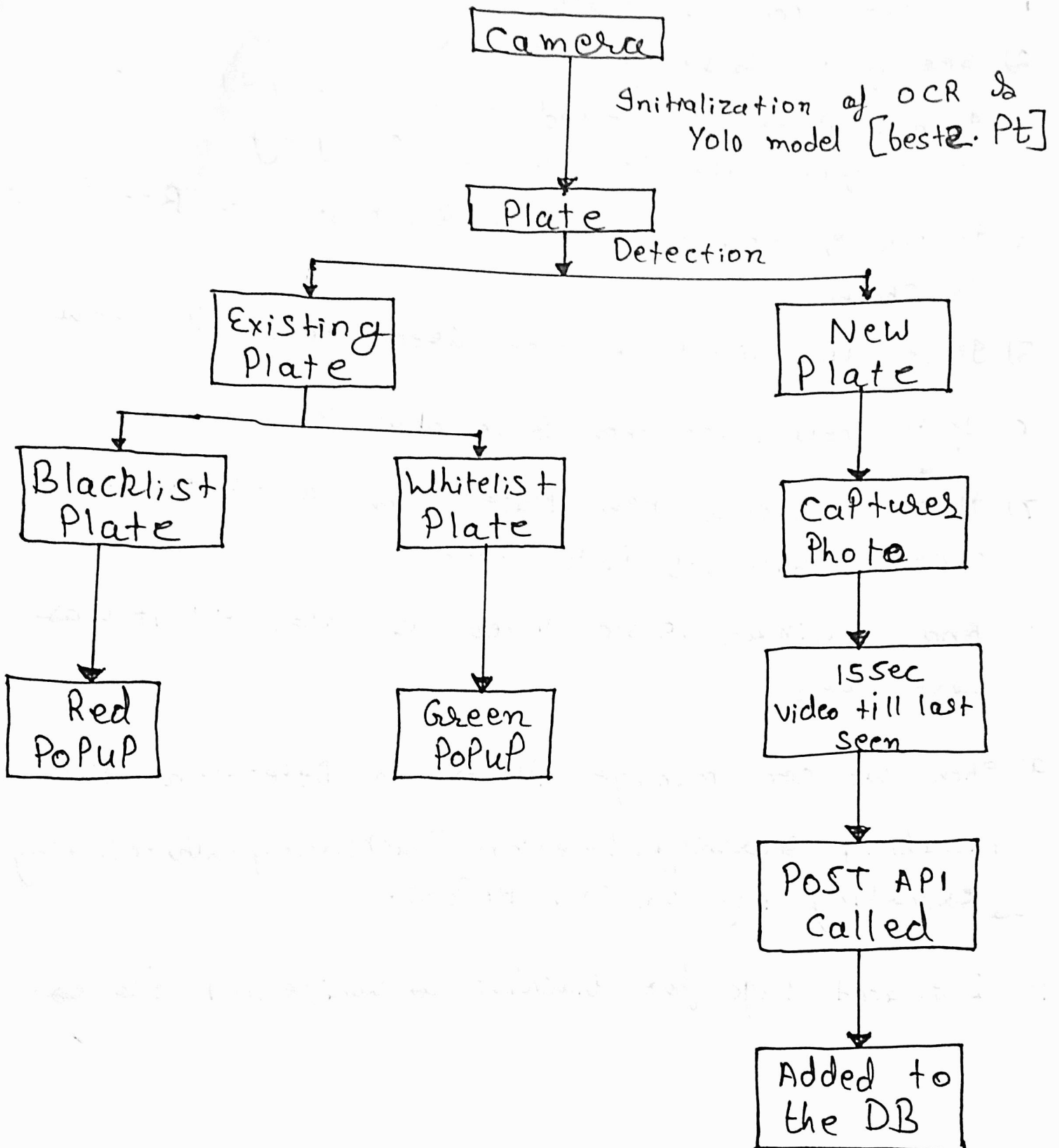


Workflow Diagram



Final Workflow

- 1) Camera Scan's the Plate
- 2) see if it's existing Plate or not
- 3) If new Plate is detected then Post API is called & By default it's in Whitelist category
- 4) If it's existing Plate & is Blacklist then Red PoPuP is shown
- 5) If it's Whitelist Plate then Green PoPuP is shown
- 6) If it's new Plate then Blue PoPuP is shown
- 7) If it Detects new Plate then a Photo is captured with it's Plate name.
- 8) And maximum 15 sec video is taken till it was Last seen
- 9) Then we can manage Plates in Detections Page including Searching, Deletion, Blacklisting/Whitelisting & Exporting Pdf or CSV Report.
- 10) Dedicated Page for blacklist & white list Plates.

ANPR DB

⇒ Things to ensure :-

- 1) Live Feed
- 2) No. Plate Detection → WhiteList/BlackList
- 3) History of Detection
- 4) Playback & Review
- 5) YOLO model
- 6) Blacklist Alert in Live scan.
(mailing or popup)

⇒ Meta Data :-

- 1) No-Plate
- 2) timestamp
- 3) cam_id
- 4) Image-Path
- 5) Video-Path
- 6) Blacklist-Flag

⇒ Database. ⇒ 3 tables

~~Camera Feed~~

Camera	Detection	BlackList
name (char)	no-Plate (char)	no-Plate (char)
streaming (Text)	timestamp (Date)	no-Plate (char)
location (char)	Camera (Foreign)	reason (Text)
	image-Path (char)	added-on (Time)
	video-Path (char)	
	Black-List Bool	
	white-list (char)	

Things Done

- 1) Postgrad sal ✓
- 2) models ✓
- 3) serializers ✓
- 4) Get & Post API Done ✓
- 5) Bbox around Plate ✓
- 6) 10 sec video & Pic ✓
- 7) Frontend Completion ✓
- 8) Analytics Graphs ✓

* Workflow :-

- 1) Scan's no-Plate [By default whitelist]
- 2) Check if exist in Blacklist
- 3) Calculate Scanned no-Plates [Total detection]
- 4) Blacklisted ~~car~~ Plates [Blacklist Alert]
- 5) Avg. Detection Per hour } [Avg. Detection / hr]
- 6) Alert PopUp

* ~~Backend~~

