API development

- Recognize faces in video streams incoming from CCTV.
- If the detected face is unseen before, register the face as a new face.
- If the detected face is matched with one of the already registered faces in face DB, output the matched face.
- The new face is registered. ID is given to the new face. The indexes are updated in real-time. The new face are ready to be retrieved.
- Design and develop necessary Restful APIs.

Client development

- Need similar UIs with the demo you provided.
- Video window
    - Rectangular boxes are drawn around detected faces.
    - Blue box is drawn around recognized face.
    - Red box is drawn around unknown face.
- Logging
    - In general, same face continue to show for some amount of time in video.
        - Many queries with same face to server should occur
        - But this must be counted as a single recognition event.
    - All recognition events are logged.
        - Success - Detected face, Recognized face, Date and time of the detection.
        - Fail - Detected face, Date and time of the detection.
        - All events are searchable by recognized face, date and time.
- DB
    - All detected faces are registered (saved) in DB
    - Can list and view all face information in DB.
    - Can search faces