

# Requirements for API Frontend

## Login page:

- Without the Signup button.
- When the user clicks on forgot password: enter email address → Enter OTP → Reset password.



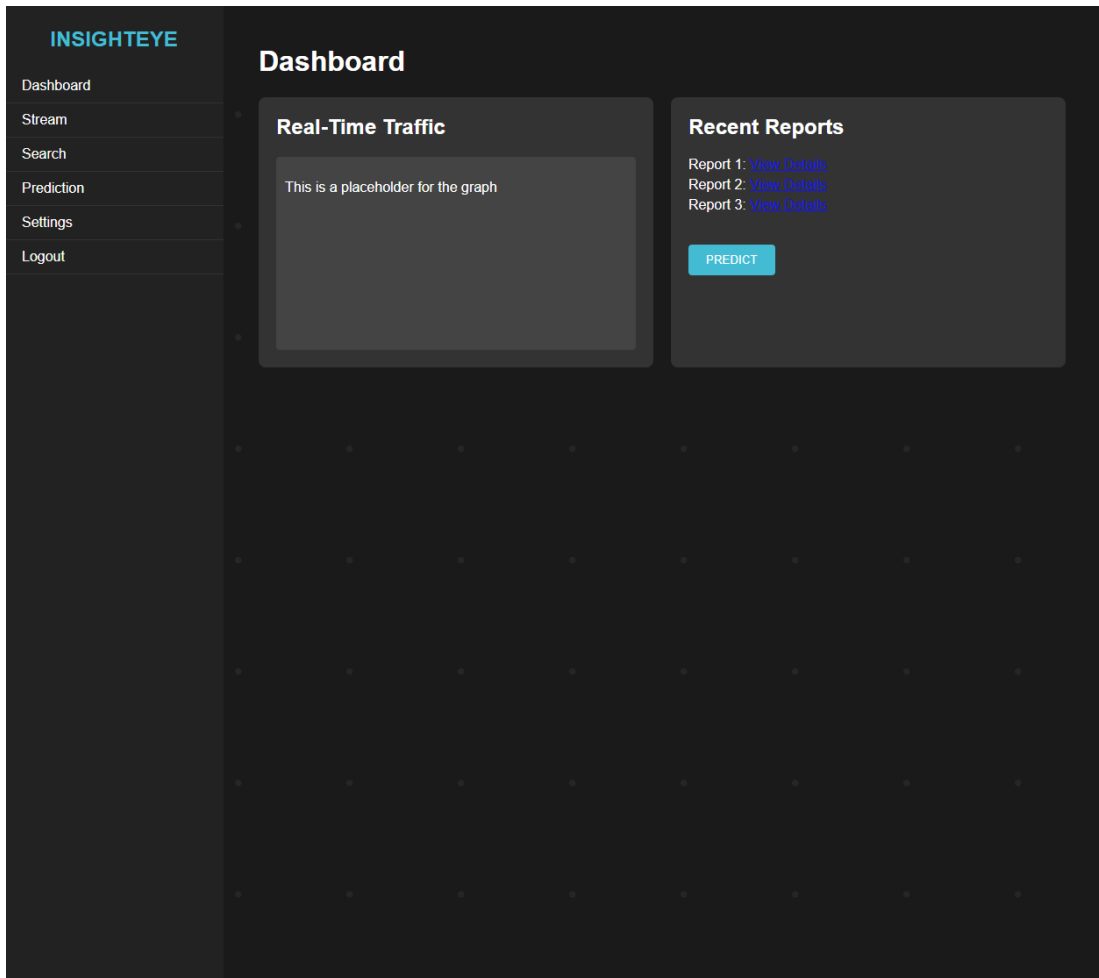
After login there are five pages can be reached by clicking on the tabs located in sidebar:

- **Dashboard**
- **Stream**
- **Search**
- **Prediction**
- **Reset password**
- **Logs**
- **Logout**

- **Dashboard tab:**

Contain the following:

1. User information:
  - a. Email address.
  - b. First name & Last name for the user
  - c. Company name
2. Camera ID & it is status (ON or OFF)
  - a. Ex: Camera1: ON
3. System Information:
  - a. Frame rate:
  - b. Confidence level:



- **Stream tab:**

1. User can assign or remove his cameras by click (add camera)
2. User can assign sampling rate: every 10 seconds or more. (Condition: the minimum value is 10 sec).
3. User can assign Confidence level. (Condition: from 0 to 1, step by 0.01)
4. User can view the live stream by click on button (Start detection).
5. Interactive layout for the site (as plan view) will be add to the stream page to show the location of cameras and is it ON or OFF.
6. Confirm button will be add beside the confidence level & frame rate to confirm the value that the user entered.
7. User can stop the live stream of frames by clicking (Stop detection).
  - a. When the user click on stop detection button a warning message in red color should appear to the user that contain the following statement: Are you sure you want to stop detection? Stopping detection will cause stopping the model from receiving frames from the cameras live stream. There is no more data will be stored about the number of people until you click on start detection button again.

The screenshot shows the 'Stream' tab of the INSIGHTEYE application. On the left is a dark sidebar with the logo 'INSIGHTEYE' and a menu containing 'Dashboard', 'Stream' (highlighted), 'Search', 'Prediction', 'Settings', and 'Logout'. The main content area has a title 'Stream' and a configuration section with three input fields: 'Frame Delay (s):' with a value of 0, 'Frame Skip:' with a value of 2, and 'Conf Threshold:' with a value of 0.4. Below these are ten input slots, each labeled 'Input' followed by a number (1-10). Each slot contains three buttons: 'Enter ca' (text), 'Video f' (dropdown menu), and 'Enter video file path o' (text), followed by an orange 'Remove' button. At the bottom of the main area are three buttons: a blue 'Start Detection' button with a play icon, a cyan 'Add Input' button, and a red 'Stop Detection' button with a stop icon.

- **Search tab:**

1. User assign Start data & End date.
2. User assign Start time & End time.
3. User assign Cameras ID.

Then user select the appearance of search result:

1. Chart: line chart that contain time on x-axis and number of persons on y-axis.
2. Tabel: records (rows) that contain Camera ID, Date, Time, Number of persons in the frame (Count).
  - a. There is a button that allow the user to export the table as CSV file.
3. Image: view the frame and Details under each frame: date, time, person count.

**INSIGHTEYE**

Dashboard

Stream

**Search**

Prediction

Settings

Logout

### Search

Start Date:

End Date:

Camera ID:

Start Time:

End Time:

INSIGHTEYE

Dashboard

Stream

Search

Prediction

Settings

Logout

Search Results

Resul 1 - 2025-01-05 - 09:07:11

Resul 2 - 2025-01-05 - 09:07:12

Resul 3 - 2025-01-05 - 09:07:13

Resul 4 - 2025-01-05 - 09:07:13

Resul 5 - 2025-01-05 - 09:07:14

Resul 6 - 2025-01-05 - 09:07:14

Resul 7 - 2025-01-05 - 09:07:15

Resul 8 - 2025-01-05 - 09:07:15

Resul 9 - 2025-01-05 - 09:07:16

Resul 10 - 2025-01-05 - 09:07:16

Resul 11 - 2025-01-05 - 09:07:17

Resul 12 - 2025-01-05 - 09:07:19

Resul 13 - 2025-01-05 - 09:07:20

Resul 14 - 2025-01-05 - 09:07:22

INSIGHTEYE

Dashboard

Stream

Search

Prediction

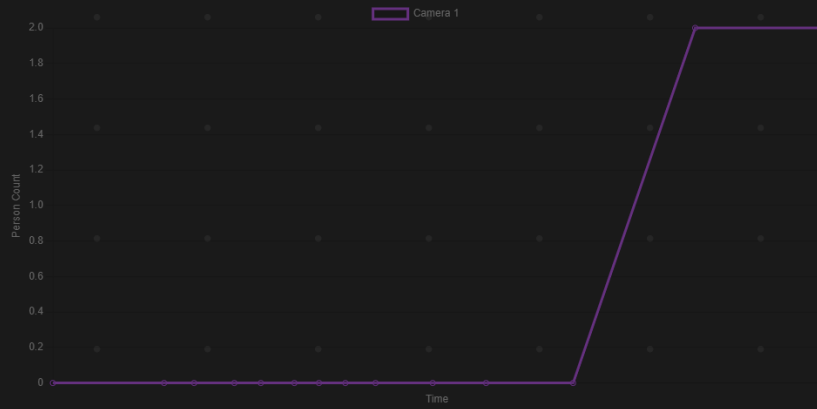
Settings

Logout

Search Results - Table

Date	Time	Camera ID	Count
2025-01-05	09:07:11	1	0
2025-01-05	09:07:12	1	0
2025-01-05	09:07:13	1	0
2025-01-05	09:07:13	1	0
2025-01-05	09:07:14	1	0
2025-01-05	09:07:14	1	0
2025-01-05	09:07:15	1	0
2025-01-05	09:07:15	1	0
2025-01-05	09:07:16	1	0
2025-01-05	09:07:16	1	0
2025-01-05	09:07:17	1	0
2025-01-05	09:07:19	1	0
2025-01-05	09:07:20	1	2
2025-01-05	09:07:22	1	2

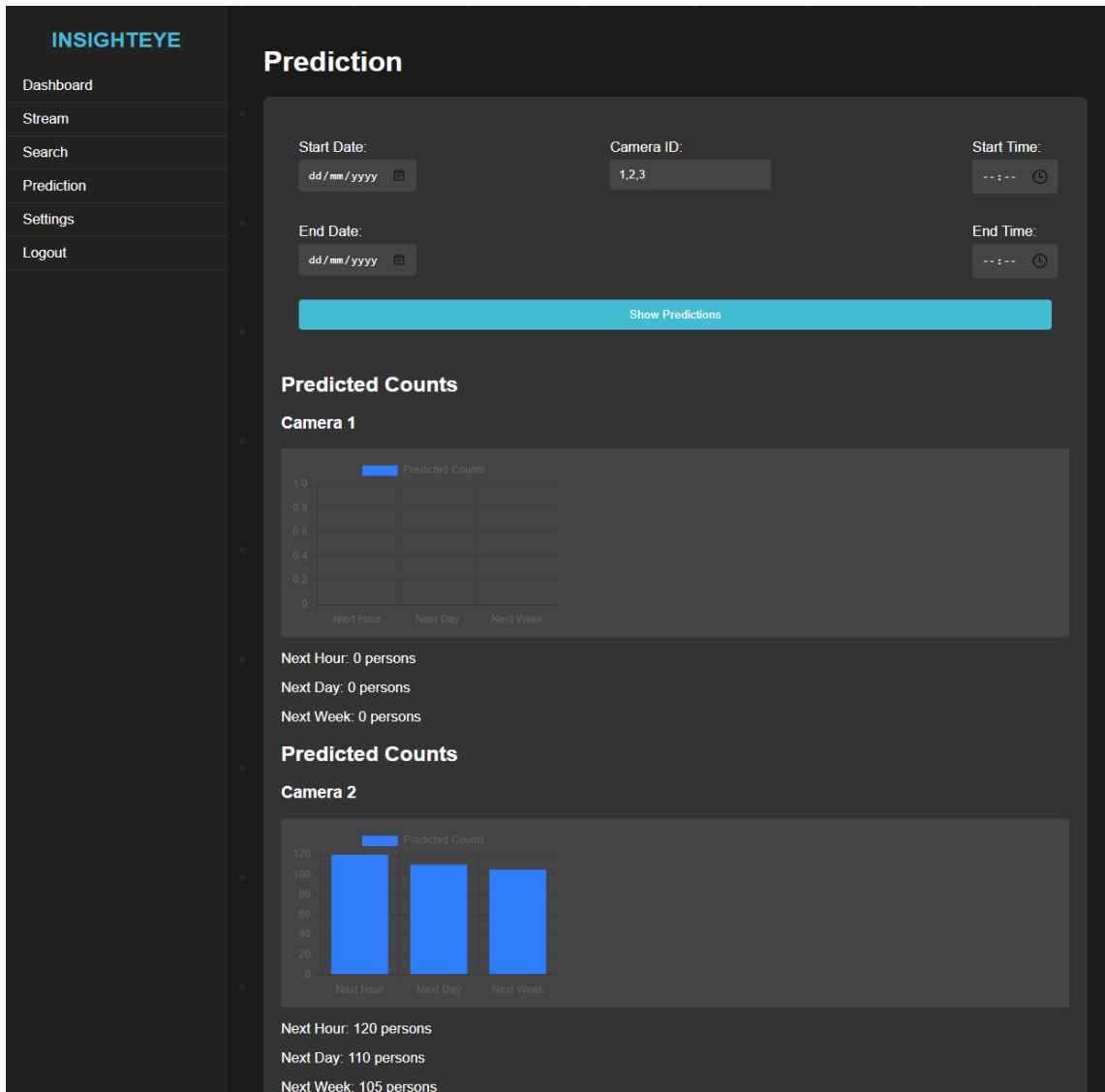
## Search Results - Chart



- **Prediction tab:**

1. User enter: Camera ID
2. User enter start date and end date if he want to predict on certain interval.
3. Prediction viewed for every camera frame & aggregation for all cameras frames.

Then user click on start predict button.



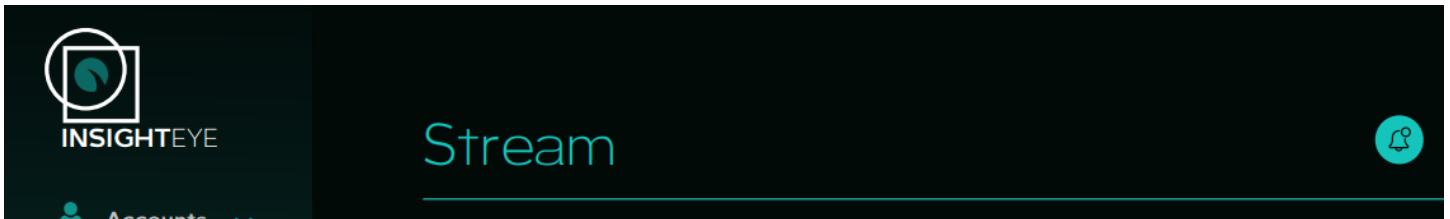
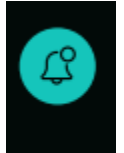
## Separate tabs:

1. **Reset password:** enter email address → Received OTP to email → Enter OTP → Reset password.
2. **Logout**
3. **Logs:**
  - a. Record every sign in & sign out with data & time.
  - b. Record every change in confidence level with data & time.
  - c. Record every change in Sampling rate with data & time.
  - d. Record every ADD or Remove for a camera.

- **Notification Button:**

Notification message appear from the button when a camera turned OFF or ON.

Ex for notification message: (Camera 1: turned off)



- **Change color theme (for visual impairments) (framework) (infusion library)**