Serve page to client

Get selected mode from server

Send IP Address to server via HTTP GET Request

Send captured image to server

No

**HIGH:** is motion detected 15 times

**LOW:** is motion detected 5 times

**AVERAGE:** is motion detected 10 times

No

**Capture Mode**

**Stream Mode**

Send user inputs

**Capture Mode**

Check for image captured

**Stream Mode**

Yes

No

Send motor driver input signal

If image captured send alert to user

Send Servo Signal

Send user inputs

Send motion detected signal

Get user inputs

Send motion detected status using HTTP get request

Select from DB

Update DB

**DATABASE**

**CLIENT (browser)**

Is login successful

**WEBSERVER**

Login Handler

Save user session

Save ngrok address

Select mode

**ESP32 CAM**

What mode is selected

Create a local server and server the stream on the ESP32 IP address

Forward the server using ngrok

Is motion detected

Capture image

**ESP8266**

**PIR SENSOR**

**ARDUINO UNo**

**SERVO**

**SIM800L**

**L298N MOTOR DRIVER**

Does it match Tolerance level

Get camera IP Address