WIFI CONTROLLER:

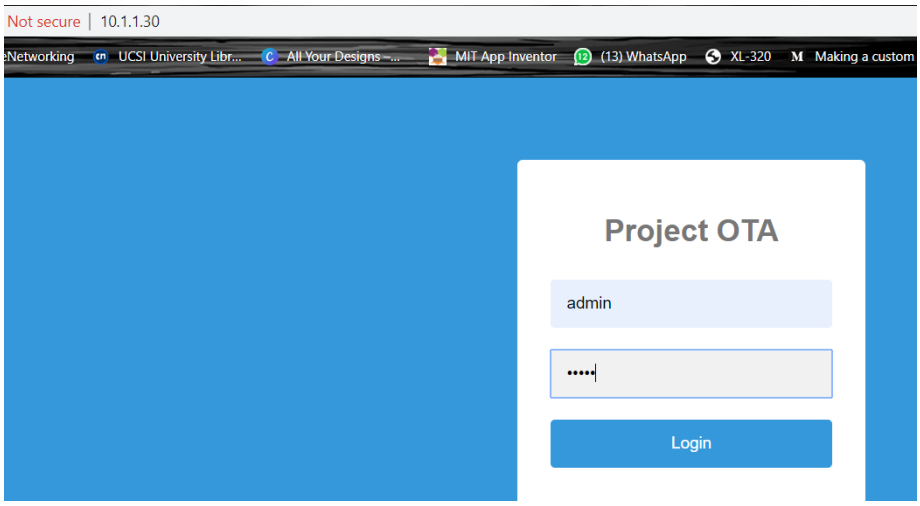
1. Make sure ESP32(On Land) and computer connect to same wifi.
2. Upload Arduino WIFI code into ESP32 and get IP address. (Press EN to get IP again)
3. Change the IP Address in WIFI python code to the IP you have gotten.
4. RUN the WIFI python code. (Make sure controller is connected to computer)
5. Controller press start to disconnect with ESP32.
6. Check EPS32
    - No blue LED=Not connected to wifi
    - Blue LED blinking=Connected to wifi but not connected to controller
    - Blue LED Light Up=Connected to controller
    - Press EN if cannot connect to controller (Mostly due because forgot to disconnect previous controller with ESP32)

OTA WEB UPDATER:

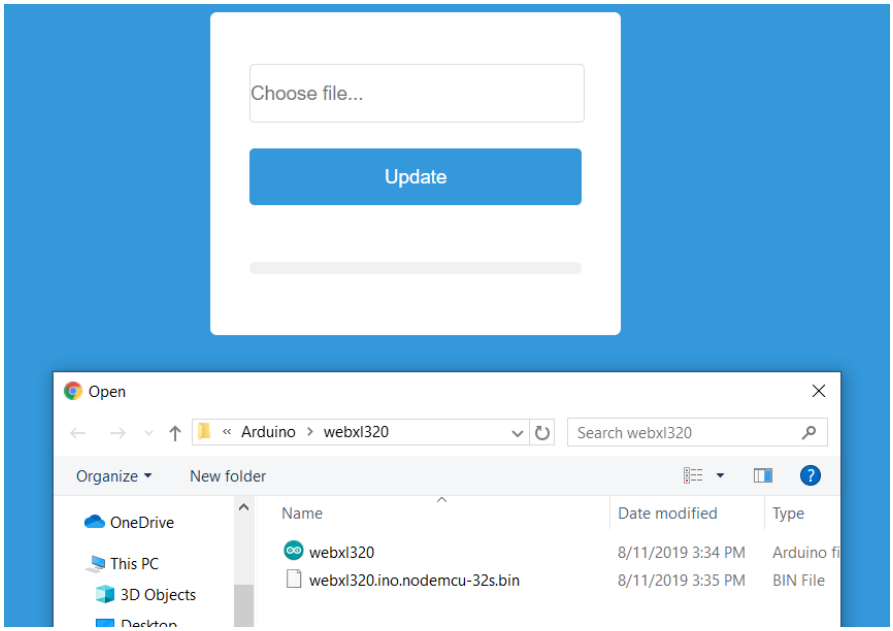
1. IP address for Robotic Fish can be found in the code.

```
// For Lab Wifi
const char* ssid = "fishisgood";//10.1.1.30
const char* password = "fishisgood";
// Set your Static IP address
IPAddress local_IP(10, 1, 1, 30);
// Set your Gateway IP address
IPAddress gateway(10, 1, 1, 1);
```

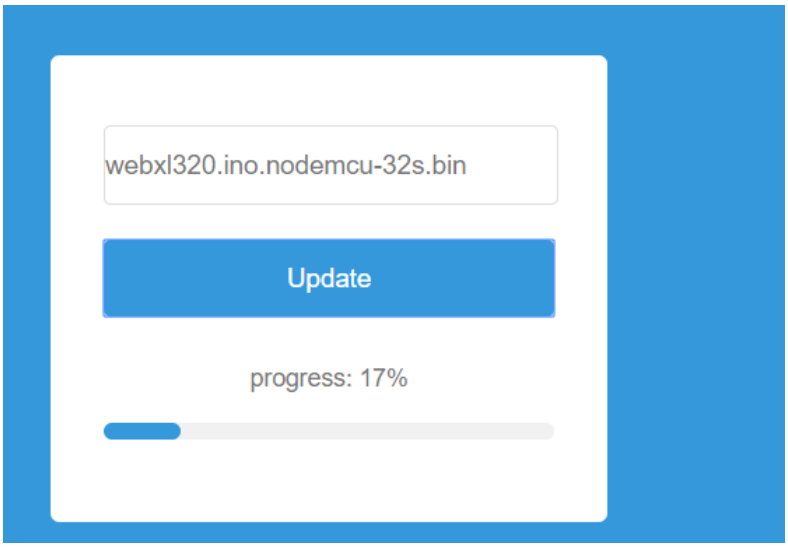
2. Input the IP Address into the web search bar.
3. Type in the ID and password. (USER ID= admin, password= admin)



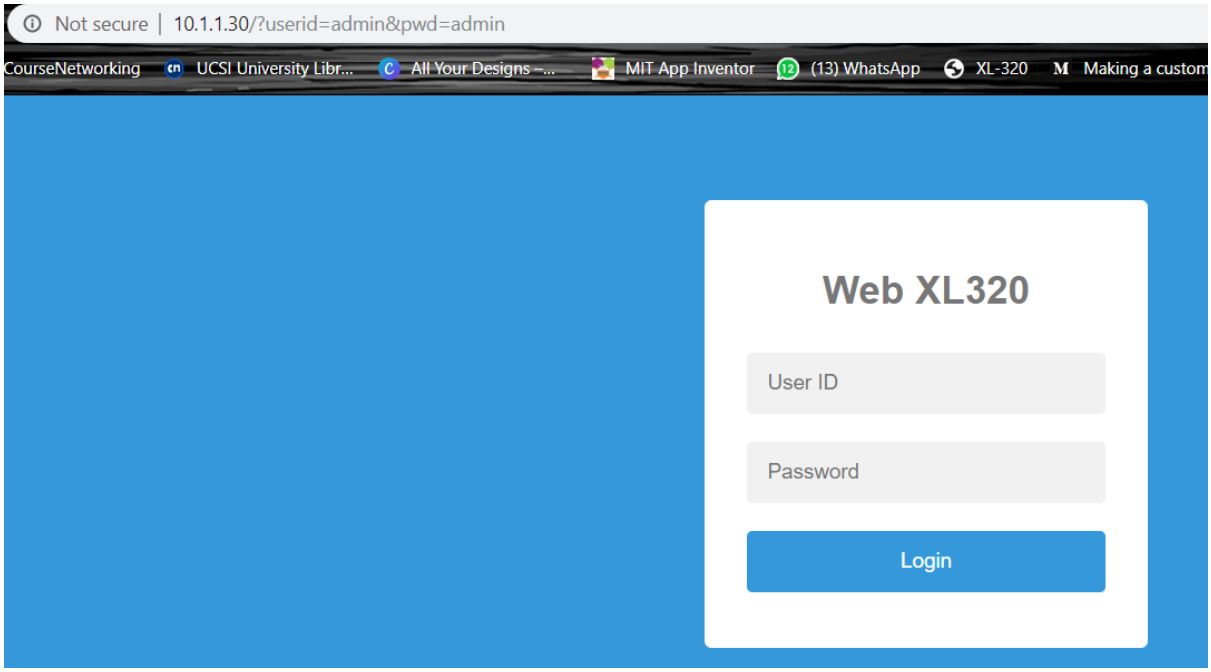
4. Click choose file and choose the file you wanted to upload. (Only Binary File)



5. Press Update and wait the progress till 100%



6. Search the IP address again to check if file was really uploaded. (Check the title)



How to change WEB title and static IP address:

1. For static IP address, change the 30 to other value

```
// For Lab Wifi
const char* ssid = "fishisgood";//10.1.1.30
const char* password = "fishisgood";
// Set your Static IP address
IPAddress local_IP(10, 1, 1, 30);
// Set your Gateway IP address
IPAddress gateway(10, 1, 1, 1);
```

2. For WEB title, change the PROJECT OTA into the name desired

```
/* Login page */
String loginIndex =
"<form name=loginForm>"
"<h1>Project OTA</h1>" //TITLE
"<input name=userid placeholder='Us
"<input name=pwd placeholder=Passwo
"<input type=submit onclick=check(t
"<script>"
```