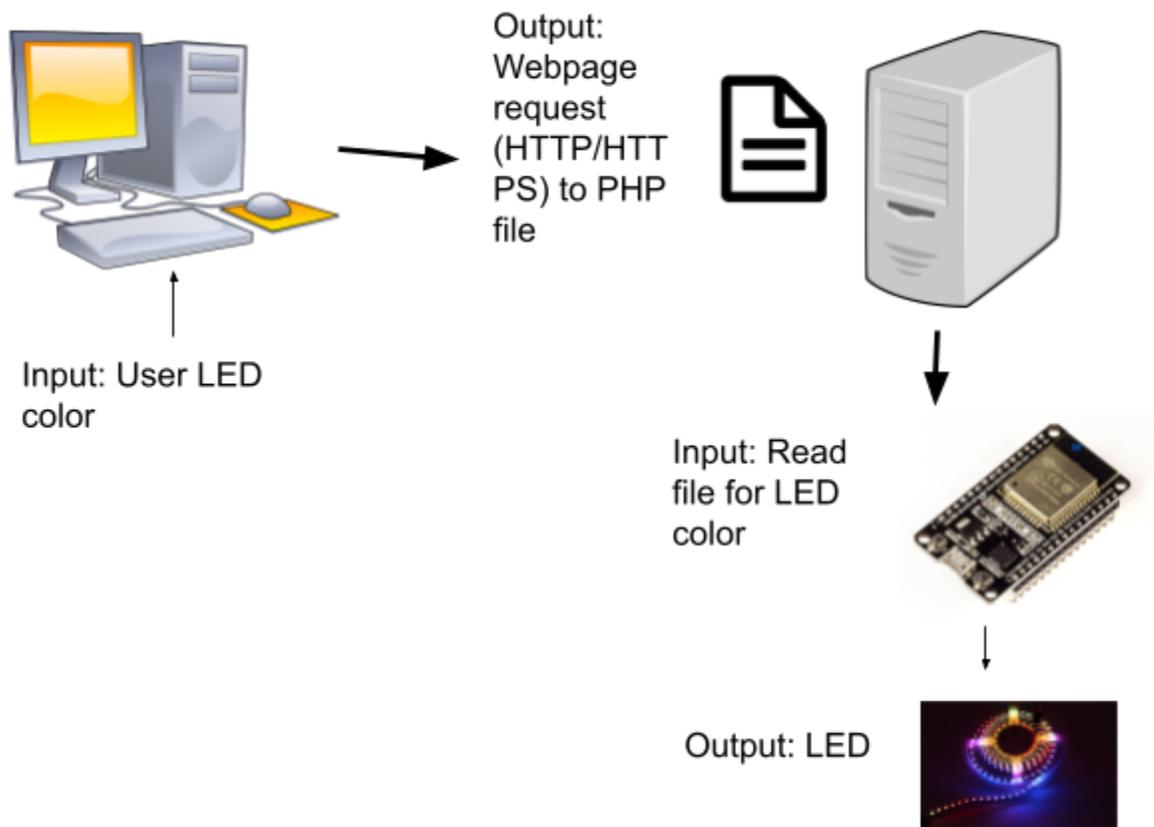**Program Overview:**
My project is a system that uses an ESP32 board with an RGB LED. A user can select from a PHP html page the color they would like the LED to blink on and off. The selection will be saved to a file on my Web space. The board will read from the file the requested color and turn that light on and off.

**Picture**



Output:
Webpage request (HTTP/HTTPS) to PHP file

Input: User LED color

Input: Read file for LED color

Output: LED

**Inputs**:
- LED color
- Save
- PHP file read from ESP32 board

**Outputs**
- PHP file write to ENGR webspace
- ESP32 signal to turn onLED

**Test Plan**
1. If the file does not save properly an error message should be received
2. If the file does not overwrite the previous file, an error message should be received

**Steps**
1. User is asked for LED color
2. Color writes to a file from a PHP program and saves to ENGR webspace
3. EPS32 board reads file
4. Turns on LED