We are creating a data logger for 3d printers based on the ESP8266 Single board computer (type of Arduino)

The software running on the ESP8266 includes the data logger, mDNS, and a very basic webserver.

The limitations of the webserver are that it can only server files and http responses (basic web pages) so no PHP, perl or any server-side magic.

It can serve .html and .js and .css so those need to be our key tools

Not being a web guy (since the days of FrontPage, lol) I have cobbled together a website UI using

Html, css and a little javascript. Here is the “home” page.

I have run into a bunch of issues trying to do what I think is the right way to make this work.

First issue, I am loading content (home.html) into a div using jquery .load() but when I try to load other content into the div, the javascript from home.html continues to run until I call window.location.reload();

Second issue, I need to have the page refresh every 5 seconds, but after an hour or so it crashes

Third issue, I can’t get other pages to load properly no matter what I do for example (status.html) the table doesn’t execute.

The code is up on github for you to take a look.

Any help is appreciated, but mainly if you can get me going in the right direction, I am sure I can probably learn enough to make the rest work, my main struggle is just how javascript flows and interacts with the page itself.