Bikes Website Design Document

My objectives for this website are to familiarize myself with HTML, CSS, Javascript, PHP and SQL.

I did continue on the course to learn about each type module, React, API’s, Python etc but in the end I came back to just trying to focus on my 4 main goals. I struggled a bit trying to get back to grips with the core part of my website and never quite made it to deployment although I have created an account with Supabase and I have all functionality working in XAMP so I am confident I can deploy in the near future.

The website is a little rough and unfinished however I was more interested in trying to understand the functionality and learning how the code works than design.

My objectives

1. HTML – Put together at least 2 webpages that link together in such a way as to allow new additional webpages to be created easily. Stopped adding more because it then became a copy and paste job which I didn’t see much value in learning
2. CSS – create separate CSS files and link to the HTML
3. Javascript – try to understand how this works and create some code from scratch if possible. My main method of doing this was to take code snippets from W3Schools and online and adapt them to my needs.
4. PHP and SQL – build a database and get XAMP working and have some form of operational link between the two. Got the form submission working and was close to pulling data from the database into the website but not quite there yet
5. API – was going to try and link Strava and sent a long time trying to make this work but I think they have the API locked down a bit, and users need to put in credentials each time to access data and I think they need to be premium subscribers which I am not. I left the code in but it doesn’t work properly and I gave up to go back to working on the above.

Future design considerations:

1. Get the API working, maybe try a different fitness tracker like Ride with GPS
2. Add a graph and make it dynamic
3. Add more functionality to the website, Javascript and writing to databases is the main focus on my learning so I need to add more of this in
4. Better styling, eg sidebar
5. Clickable photos – so you can zoom in on different parts and go directly to information about that

All-in-All I found the course good and useful. I am still struggling to make my code work and it seems to be juggling a lot of plates at the same time but I now know my way around the code I’m looking at which is a big improvement on where I was at before. I now need to to take my learning further and focus on JS, PHP and MySQL