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Report

MySQL and PHP have been by far the hardest elements of this class so far in my opinion, especially MySQL. At first, I was struggling to grasp my head around the concept of what a Database was. The Zybooks did help a bit, but I was still confused. So, I started looking up YouTube tutorial videos on what exactly a database is. I looked up things like the basics of a database, how to set up a database, and how to connect to a database. Some videos I found very useful to help achieve my goals. For example, this one titled “User Registration System Using PHP And MySQL Database | PHP MySQL Tutorial | Edureka” by a popular YouTube channel known as “edureka!” (<https://www.youtube.com/watch?v=qjwc8ScTHnY&t=320s>). Also, this video titled “How to connect HTML Register Form to MySQL Database with PHP (2020)” (https://www.youtube.com/watch?v=qm4Eih_2p-M&t=136s) by a Youtube Channel known as “Code and Coins” was a short but very useful tutorial on how to connect HTML to a MySQL database. These steps were just the start of a much bigger project that I have been anticipating since the beginning of the course when I saw the tutorial to set up for PhpMyAdmin on the lamp.cse.fau.edu website. Also, when I saw the examples of projects from previous students, I noticed that it was either going to be the baby name database or weather forecast with a login and signup aspect to show the use of a database.

I first started looking at the tutorial sent on Canvas connected with the assignment and connected it with my information on the database and it looked very similar to the example

posted in the guidelines. I then created the table for the database and connected it with the file to show the most popular baby names. It looked exactly like the guidelines screenshot but instead Step 3 had a table filled with the list of names from the file, so I knew I was doing something right. After that, I wanted to add another table in the database so others can vote for names themselves and enter a name they want to appear on the table. This was a lot harder than I expected it to be, but I found some more tutorials on how to add a counter in the table and how to display it in a list format from the highest being at the top to the lowest being at the bottom. After this was done, the coding aspect of the website was mostly complete. Now, I just had to make it look more presentable because it looked like the guideline screenshot with Steps on the page. I used a previous Bootstrap template and CSS from a previous project (my portal website) in the semester because it had a nice simple/modern look to it.

A future implication I would want to add on the website is an AJAX aspect of it, so the votes get refreshed immediately. When you refresh the page, the votes will appear from the database, but I would like to add an element to the current webpage where votes get updated instantly.

This assignment opened up a brand new aspect of web development that I now understand and hope to use in the future.