CST:499 Week 4 Assignment

Shayekh Rana

University of Arizona Global Campus

CST 499: Capstone for Computer Software Technology

Charmelia Butler

August 21, 2023

**CST:499 Week 4 Assignment**

**Create your tables within the MySQL database related to rest of your design.**

**Figure 1**

****

**Generate screenshots of the database and the tables you created.**

**Figure 2**

**A screenshot of a computer

Description automatically generated**

**Generate screenshots of the different pages that you created.**

**Figure 3**

**A close-up of a text

Description automatically generated**

**Figure 4**

**A white background with text

Description automatically generated**

**Figure 5**

**A close-up of a computer screen

Description automatically generated**

**Figure 6**

**A close-up of a text

Description automatically generated**

**Generate screenshots of the PHP code to implement your logic.**

**Figure 7**

**A black screen with text on it

Description automatically generated**

**Figure 8**

**A black screen with white text

Description automatically generated**

**Figure 9**

**A screenshot of a computer program

Description automatically generated**

**Figure 10**

**A black background with colorful text

Description automatically generated**

**Figure 11A screenshot of a computer program

Description automatically generated**

**Figure 12**

**A screenshot of a computer

Description automatically generated**

**Figure 13**

**A screenshot of a computer

Description automatically generated**

**Figure 14**

**A computer screen with text on it

Description automatically generated**

**Summarize your experience going through the implementation phase.**

I struggled with the implementation phase, unsure why the database was still not connecting to any input I added from the website. A separate database was created for classes and started a database connection file, as shown in Figure 8. However**,** no information was taken into the database. Not having anything accepted by the database made everything else more difficult since we could not verify if my inputs were functioning correctly or not. I created webpages for three example classes I made: Biology 101, Chemistry 101, and English 101. I started three separate pages from a classes hub page where students can look at all the available classes at once in addition to all their registered classes being shown below the class available. When the student clicks on any of the classes, they will see a short blurb on what the course is and what the class will be going over to give students an understanding of what to expect (Zeng et al., 2022). At the bottom of the classes’ pages is a button to either register for a class or delete a class from the student’s schedule. Each registered class will then be inputted into the database and shown on the classes page; if the student selects the delete class button, that class will be deleted from the database(Tsui et al., 2018). I received errors on some portions of my code regarding connection to the database that can be seen in Figures 1-4, which, even using the debugger tool, has not been useful (Spetz et al., 2023). I tried utilizing other sources to identify and correct these issues but could not find anything meaningful.

**References**

Spetz, J﻿., Hailer, L.﻿, & Gay, C﻿. (2023). Database Coding Errors. *JAMA Network Open*, *6*(7), e2327991. https://doi.org/10.1001/jamanetworkopen.2023.27991

Tsui, F., Karam, O., & Bernal, B. (2018). [*Essentials of software engineering*](https://uagc.instructure.com/courses/120445/modules/items/6132040)(4th ed.). Jones & Bartlett Learning.

Zeng, R., Lu, Z., Wang, J., & Song, J. (2022). Error Correction Coding for One-Bit Quantization With CNN-Based AutoEncoder. *IEEE Communications Letters, Communications Letters, IEEE, IEEE Commun. Lett*, *26*(8), 1814–1818. https://doi.org/10.1109/LCOMM.2022.3181502