

Drop dBase

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For this project, we decided to make a web-base interface using PHP that was created by using localhost/phpmyadmin with XAMPP. Compared to how we started, the final product matches pretty well with our initial design. There were very few things we had to change that didn't have any effect on slowing us down in order to complete the project. Earlier stages provided a pretty good layout for this project and applied well when it came to planning the web interface and writing the code.

We did have to adjust our database data a little bit in order to test some queries but that wasn't a challenge. Our relationship schema and ER diagram still applies pretty well to the project. Some of the queries from stage 4 were able to be used in order for the user to research the database.

As for the user types, any user can have access to the website to adjust as they please. There is no log in required so anyone can research, insert, and delete the data from the tables. That was also as we had initially planned as well. If we had more time, this could have been changed to something a little more complex such as having usernames and passwords to determine the type of user.

The project was a good help in order to learn the course better. We were able to write queries and test them with a live database rather than just on paper. We also learned how to

handle a basic database to see how they work on a small scale and how data is imported from the table using a web language such as PHP.

We learned how to manipulate the data live by using SQL queries through the phpmyadmin feature. It was the first time for a couple of us in using XAMPP and the localhost for phpmyadmin but it was great assistance in handling the database. The setup itself wasn't complicated as well.

If we had more time, there could have been some things we would have liked to have added. For example, we could have added a user login and with that login we could determine if the user was a normal user or an admin. Restrictions from the data would be based on that. Normal users can only research the data and an admin would be the only one allowed to remove or add data to the database tables.

We would also have like to add more complex queries where the user can use more specific searches. For example, they could search for a list of song names for a certain band that were released in a certain year or perhaps songs that have a duration between a certain range of duration (in seconds). Our current queries were only searches by a single variable (i.e bandName, year, Song name, etc).

We also could have added more complex insert queries so the user can insert more than just one at a time. We also could have added where the database can be seen as a whole by the user. If they just wanted to see what was in the entire database, they could by clicking a tab 'View Database' and it would show everything in the database by column.

