Assignment 3 Reviewed

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PHP is a server-side programming language used to develop HTML5 websites. You can use any IDE program of your choosing to write the scripts for the website, but in order to execute the script, you need another program. Here is where XAMPP comes into use, XAMPP is a cross-platform system based on Apache distribution and used by developers to run local web servers. PHP happens to be one of the several platforms that XAMPP can run. The first thing is getting XAMPP installed and configured, such as selecting the install directory and components to install. Once installed, launch XAMPP control panel and start the Apache webserver. Lastly, we can test a PHP file by navigating to http://localhost/"Your php here". If it was installed correctly, you should receive the landing page for your built website.

HTML5 is a markup language for the structure representation of website contents. Some of the development tools in HTML5 are the elements known as HTML tags that are used to indicate the beginning and end.

MySQL is an open-source relational database management system that comes installed with XAMPP. This database is simply a collection of structured data, data can be stored in tables, and then relationships developed between different tables. This allows for access to one table to allow reach over to another table. MySQL is composed of the larger SQL structured query language, and this language can be broken into several categories Data definition language(DDL), Data manipulation language(DML), and Data Definition Language(DDL). Each category of the language is used to be able to make changes to the data structures in MySQL and SQL. Each category has its own set of commands that separate them into categories, for example, the Data Definition Language(DDL) is used to create and modify the structures of the schema by using commands such as Create, Drop, Alter, Truncate, and Rename. Or the Data Manipulation Language(DML) is meant to update data and uses commands such as Insert, Update, and Delete.

           Because in my CST310 class, the sites we designed are very similar to this site, I decided to reference them for the code. This time I recreated the system for a student registration site rather than an employee portal but much of the items would be the same such as the home page, registration, and login pages. I then created a new MYSQL database and called kit student center, and created one table and named it student user. Once the new database was created, I used the “CREATE TABLE students” and added user parameters for the studentUser information such as studentID, firstname, lastname, setting an attributes, and a few other items. Following this, I returned to my PHP code and created a new file called database.php, and I used this on any page that would require access to the database, such as registration and the login page, the registration page since it will feed information to the studentuser table and the login page that will pull data back from the student user table. Additionally, I implemented the **nav**to allow the user to reach the initial landing page's login or registration pages.

 Finally, I also implemented a bootstrap element to change the font of the landing page and implemented some background colors to the newly created web pages. I am looking to further expand on this over the next two weeks and see the final product.

**Setting the database**

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**Landing Page**

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**Landing page**

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**References**

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