**Landing, Login, and Enrollment Pages Development**

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As CST310, this final assignment was truly an experience and tested every ounce of patience I had. The creation of the landing, login and enrollment pages are a deep dive into the implementation phase of software development. This final assignment is nuanced in php code, localhost server and table/database development. The culmination of which results in a fully functional enrollment website. As opposed to CST310, I opted to forgo using NetBeans as it’d given me so many problems previously. I used Visual Code Studio, which was intuitive and easy to use. I used MAMP instead of XAMPP, for the same reasons I switched to VCS, too many issues with the Mac. And lastly of course, phpMyAdmin. Now this is a crude start, but I intend to build upon what is already created.

**Explain how to run a PHP file in XAMPP.**

After some research it was recommended for Mac users to use MAMP for all the needs XXAMP would provide. The following is how I was able to run a PHP file in MAMP:

-I downloaded MAMP and installed it on my Mac.

- I opened the finder and located the htdocs folder within the MAMP application folder (/Applications/MAMP/htdocs).

-I created a project folder within htdocs called User\_Auth.

-I clicked and dragged User\_Auth into Visual Code Studio.

-I created the files index.php, register.php, login.php, logout.php, within the User\_Auth folder in Visual Code Studio.

-I developed the code for each of the folders made within the User\_Auth project file and saved each file.

-I launched the MAMP app, I clicked to Start servers and made sure Apache was running.

-I ran a new terminal within Visual code studio and prompted (php -S localhost:8888) code within visual code studio.

- I refreshed the localhost:8888 domain and the landing page was displayed.

**Create the landing page, login page, and registration page for new users. Create the MySQL database and tables.**

**Landing Page**

**A screenshot of a computer

Description automatically generatedLogin Page**

A screen shot of a computer

Description automatically generated

**Register Page**

A screenshot of a computer

Description automatically generated

**Discuss the MySQL database functions that you used and the steps you took to create the database connection custom class.**

-Used core functions like connect, query, fetch, and close.

-Created a database in phpMyAdmin and named it.

-Made tables in database.

-In Visual Code Studio, created a new database folder.

-Inside folder, created a php file.

**Develop the registration page layout. Develop the registration page PHP source code. Develop the table that saves the user information in the database**.

**Registration PHP Source Code**

**A screen shot of a computer

Description automatically generated**

**User Information Table**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**Explain the steps taken to create the registration page and save the user information in the database.**

-Opened MAMP local server

-Created database and table in phpMyAdmin. (id, username, password)

-Set up project folder (register.php,) in VS code.

-Created database connection class, and registration form (register.php)

-Run page in localhost:8888

As I said before this final assignment tested my patience, but I am looking forward to expanding on what is already created. This final showed the importance of the implementation phase of software development. Using php code, localhost server and table/database development showed me the start of how I can create a fully functional enrollment website. Like I stated before, this is a crude start to my code building, but I intend to build upon what is already created.

**References**

Tsui, F., Karam, O., & Bernal, B. (2018). [Essentials of software engineering](https://uagc.instructure.com/courses/144760/modules/items/7385229)(4th ed.). Jones & Bartlett Learning.

* Chapter 9: Implementation
* Chapter 10: Testing and Quality Assurance