




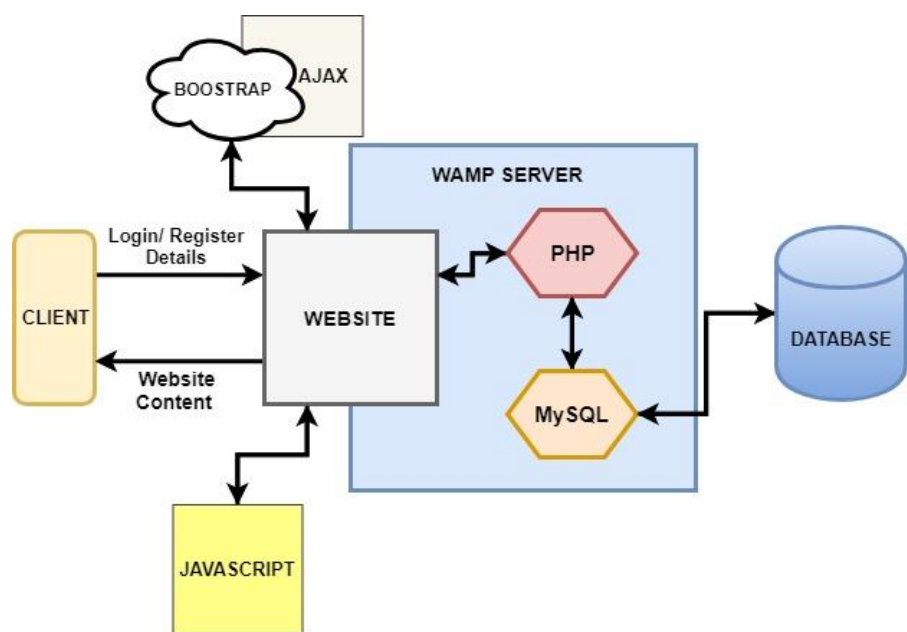


Final Project Document

9331A  
3:00-4:00 TF  
Group 6

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## Architectural Design of the Website



We have used different technologies in our website to support login, register, quizzes, and leaderboard features of the website. They are also used for responsive design, mobile-ready design and web design of our website. For the technologies, we have only used those that are free and are accessible or can be downloaded online such as wamp server which already includes php and MySQL.

## FRONTEND

### Bootstrap

The bootstrap served as our framework for the design of our website. Bootstrap's features allows us to provide a creative and responsive web design. It is a requirement that the website must be responsive and so we decided to use bootstrap. We have used Bootstrap 4 which is the newest version of Bootstrap. We started using bootstrap by using its cdn which is easier than downloading the compiled files of bootstrap. In our website, all of our pages are responsive and looked good on any device with the help of bootstrap. Using the components given by bootstrap, we easily designed our website according to our planned design.



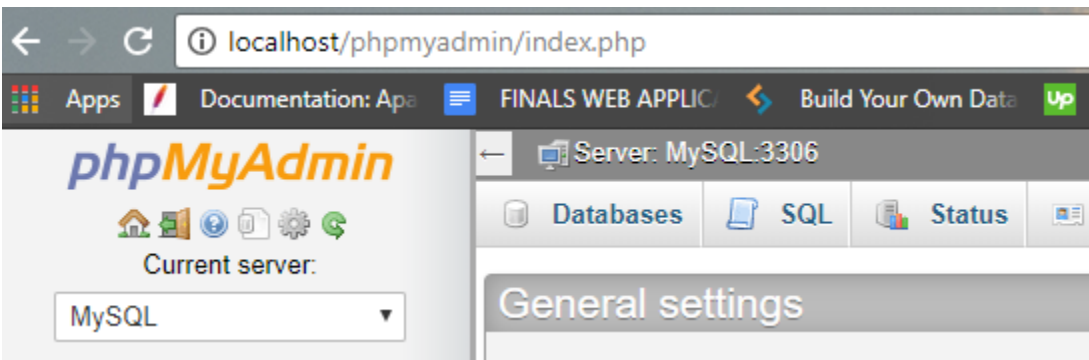
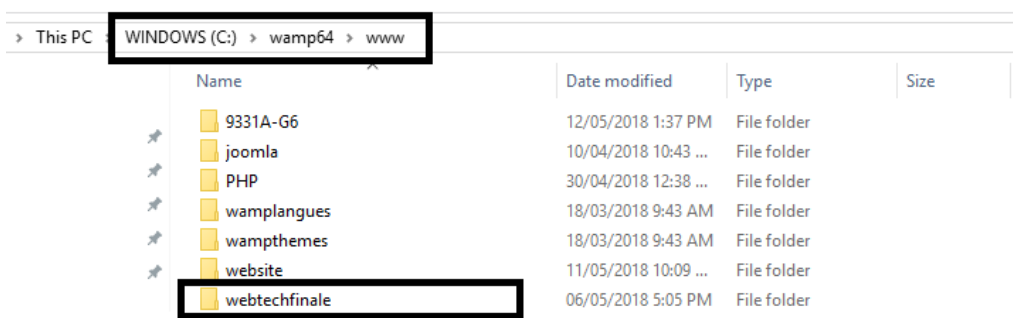
**Javascript**

In our project, we used javascript for the animation part of our website. We’ve made a script that will alert a user whenever there are announcements or quizzes posted in the website. We’ve made the script by basing the code on the lecture notes given on the course area of our google classroom.

**BACKEND**

**WAMP Server**

In the project, our website was hosted in WAMP server so that PHP will be supported and be run. While doing the project, we are moving our website’s files from our repository to a folder named “www” which is found in the local directory of WAMP. We also used this server to access our created database which contains the data about the user.



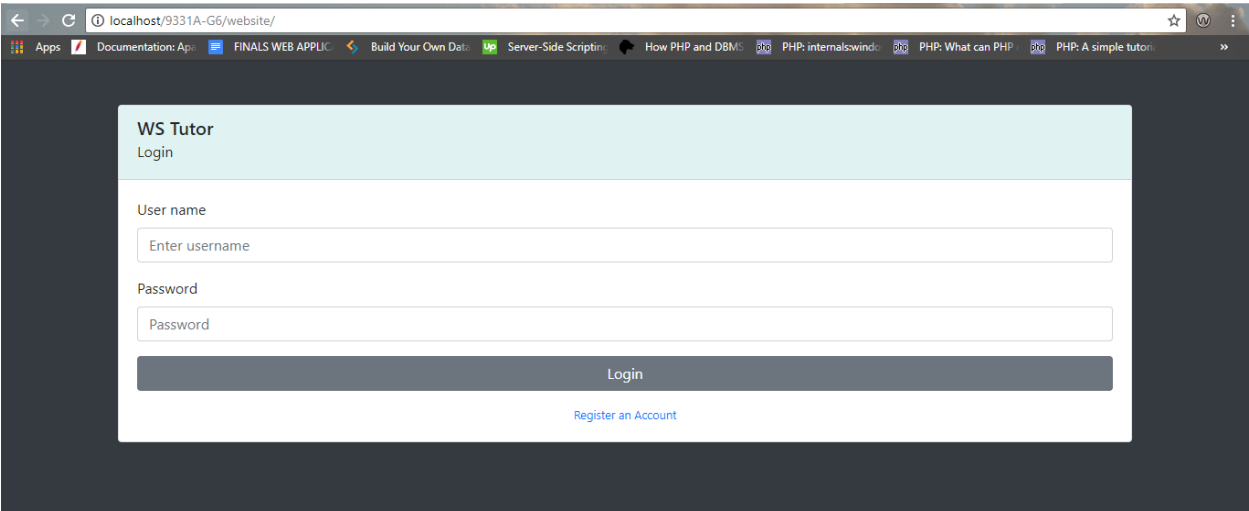
**PHP**

In our project, we’ve added a PHP scripts in our website. These webpages are the homepage, quiz, and the main menu. The homepage has a PHP script for logging in and signing up. The quiz part has a php script for storing the answers and getting the score of the user. The main menu has a script for logging out.

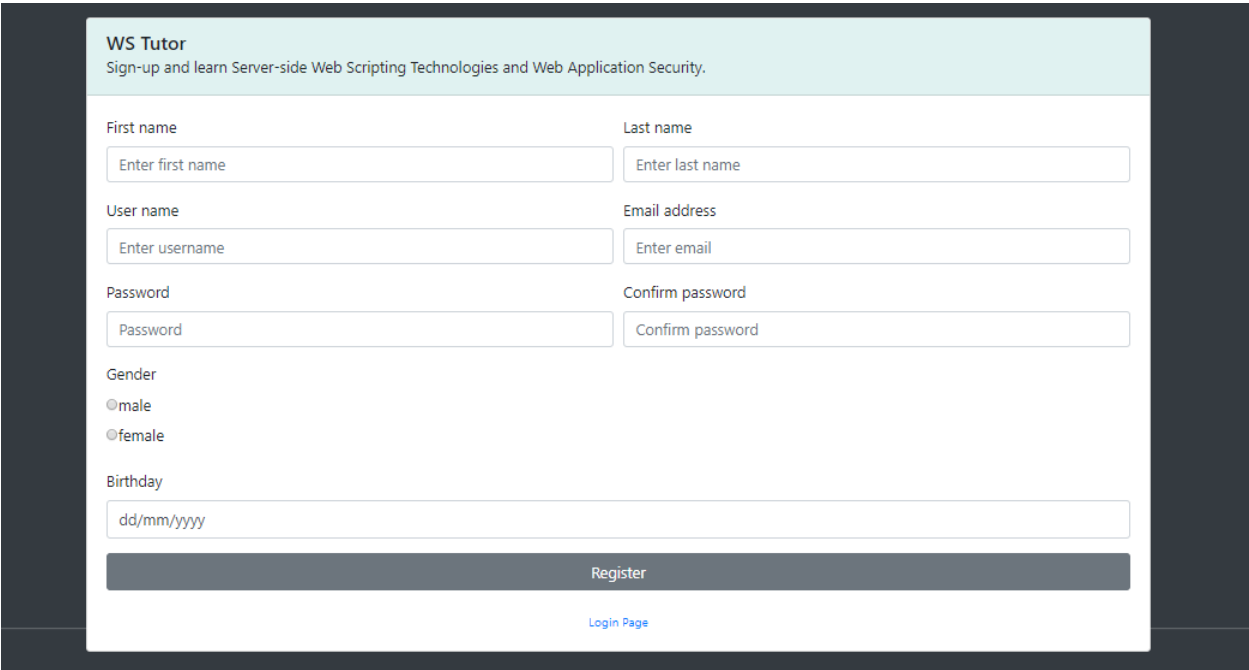
**How the scripts are implemented:**

**Homepage**

**Logging in** - when a user is registered and wants to login, he/she will input the username and password. The script works by checking whether the user is on the database by querying the username on the database. If the username exists and it matches password it will then proceed to the main menu and a session is created.



**Sign Up** - When a user clicks on the Sign up button, the script will work once the page is directed to the register.html. The user will enter the necessary inputs that is asked on the form. Once completed the php script will add each of the users in the database. After adding the info's in the database. The page will be redirected to the homepage.



**Quiz**

When a user takes a quiz, the script will start by starting a session. It will then transfer the answers to the database. After transferring it to the database, it will compare if whether the answer is correct or wrong.

**Main Menu**

Logging out - when a user clicks on logout button, the script will work by destroying the session and redirecting the user back to the homepage.

## MySQL

Login and Register are also features that are supported in our website. When logging in, a client must provide a valid username and password in order to access the content of the website. On the other hand, register will let the user create his/her account so that he/she will have the needed information for logging in. MySQL is used for these features since when logging in or registering a new account, there is a need to access the database for either verifying if the user is indeed a registered user or inserting a new user to the database.

WS Tutor

Login

User name

Enter username

Password

Password

Login

Register an Account

WS Tutor

Sign-up and learn Server-side Web Scripting Technologies and Web Application Security.

First name

Enter first name

Last name

Enter last name

User name

Enter username

Email address