

WEBSITE FOR TAKING STUDENTS ATTENDANCE

I made use of **HTML, CSS, MYSQL, JavaScript, jQuery, PHP, Bootstrap, PHPMYADMIN, XAMPP, Notepad++**, etc.

Wrote the codes on Notepad++, made 7 files in which one is saved with HTML extension and the rest is saved with PHP extension. All the files are connected (via links).

Connect-db.php:

- Define the server, database, username, and password for the database connection
- Create a new PDO (PHP Data Objects) instance to establish a database connection
- Set an attribute to handle errors by throwing exceptions
- If a PDO Exception occurs (connection failure), print an error message

Connection.php:

- Establish a connection to the MySQL database server running on "localhost" with the username "root" and an empty password.
- Select the "lasu" database using the established database connection.

Index.html:

- Link to the Bootstrap CSS stylesheet
- JavaScript libraries for Bootstrap and jQuery
- Navigation bar that contains navigation links to other part of the web page
- Section that facilitates user interaction with the page
- Footer section that contains developer's details

Login.php:

- Start a new PHP session, which is used to store and manage user data across multiple pages.
- Link to the Bootstrap CSS stylesheet
- JavaScript libraries for Bootstrap and jQuery
- Navigation bar that contains navigation links to other part of the web page
- Section that facilitates user interaction with the page
- Footer section that contains developers details
- Include a PHP script named "connection.php" to establish a database connection.
- Check if the "login" form has been submitted.
- Get the user's email and password from the form.
- Construct a SQL query to check if a user with the provided email and password exists in the database.
- Check if there are any rows returned from the database query, indicating a successful login.
- Redirect the user to "member_page.php" upon successful login.
- Store the user's email in a session variable for later use.
- Display an alert if the login credentials are incorrect.

Logout.php:

- Start a new PHP session or resume the existing session.
- Destroy the current session, effectively logging the user out and removing all session data.
- Redirect the user to the "index.html" page after destroying the session.

Member_page.php:

- Start a new PHP session or resume the existing session.
- Check if the "email" session variable is not set (user is not logged in).
- Redirect the user to the "login.php" page if they are not logged in.
- Link to the Bootstrap CSS stylesheet
- JavaScript libraries for Bootstrap and jQuery
- Navigation bar that contains navigation links to other part of the web page
- Section that facilitates user interaction with the page
- Footer section that contains developers details
- Include a PHP script named "connect-db.php" to establish a database connection.
- Check if the "submit" button in the form has been clicked.
- Get and sanitize input data from the form.
- Insert the data into the database if it's not empty.

Register.php:

- Link to the Bootstrap CSS stylesheet
- JavaScript libraries for Bootstrap and jQuery
- Navigation bar that contains navigation links to other part of the web page
- Section that facilitates user interaction with the page
- Footer section that contains developers details

Registration.php:

- Include the "connection.php" file to establish a database connection.
- Check if the "register" action has been initiated through a submit button.
- Retrieve data from the submitted form and store it in variables.
- Perform data validation for each input field.
- Check if the provided email already exists in the database.
- If a row is found, it means the email is already in use. If not insert the user's data into the database and redirect to the login page upon successful registration.

PHPMYADMIN:

- A database named 'lasu' is created with two tables 'users' and 'attendance'.
- Users table is used to store the data of students that registers on the site
- Attendance table is used to store the attendance of students when they submit it

XAMPP is used to connect the webpages to **PHPMYADMIN** locally (offline).

HOW TO USE

- Click on the link (index.html)
- Change the link from <file:///C:/xampp/htdocs/lasu/index.html> to <http://localhost:8080/lasu/index.html>
- Click on Register Here
- Create an account and submit
- Proceed to login, enter login details and submit
- After successful login, proceed to the attendance page
- Fill and submit the attendance

SYSTEM REQUIREMENT

- Any computer system with access to the internet
- Any smart phone with internet access

INSTALLATION INSTRUCTION

- Install XAMPP
- Install PHPMYADMIN
- Download Bootstrap
- Download jQuery
- Download Text Editor
- (USER) – Get the link and click on it when needed, can be used on any browser

HOW IT WORKS

- There are four pages (Home page, Registration page, Login page, Attendance page)
- Users are allowed to create an account in the registration page (Double registration is not allowed)
- Immediately user clicks on submit, the user's details is stored into the database it's connected to (lasu - PHPMYADMIN)
- Upon successful registration user proceed to login page to sign in, they sign in with their email and password
- After login details are submitted, the database is queried or checked to confirm the user has an account
- Upon successful login user proceed to the attendance page where their attendance is taken
- In the attendance page user input their detail which include their matric number, name and course
- After user submits their attendance it is saved on the database