CS260 Database

Lab

Date:27th March 2023   **Deadline: 2 april 2023 (11:45 am)**

Assignment 8

Submission File Name:

Assign8.pdf

- In today"s lab, perform the following using MySQL database system.

- The basic objective of this assignment is to learn PHP and MySQL.

- You can login and create „dblab8" database for performing this experiment.

PHP installation steps:

- Open the terminal and update the package list using the following command:
  - sudo apt-get update
- Install the Apache web server using the following command:
  - sudo apt-get install apache2
- Install MySQL server using the following command:
  - sudo apt-get install mysql-server
- Install PHP and its modules using the following command:
  - sudo apt-get install php libapache2-mod-php php-mysql
- Restart the Apache web server using the following command:
  - sudo systemctl restart apache2

PHP installation steps:

- Download PHP from the official website (https://www.php.net/downloads.php).

- Extract the downloaded PHP archive to a directory on your computer.

- Configure the PHP installation by editing the php.ini file. The file is located in the PHP directory.

- Add the PHP directory to the PATH environment variable.

- Verify the PHP installation by opening a command prompt and typing "php -v". If the installation is successful, the PHP version number should be displayed.

Task 1: User Registration Form

Design a user registration form using HTML, and PHP, and store the user data into a MySQL database. The form should include the following fields:
- First Name
- Last Name
- Email
- Password
- Confirm Password

The form should validate the user input data, including email validation, password strength, and confirmation match. Upon successful validation, the user data should be stored into a MySQL database table named "users". The "users" table should have the following fields:

- id (Primary Key)
- first_name
- last_name
- email
- password

The user should be able to update their information, including first name, last name, and password. The form should include a link to a page that allows the user to update their information. The update information form should display the user's current information and allow them to make changes to their information. Upon submission of the update information form, the user data should be updated in the "users" table.

The user should also be able to delete their account. The delete account form should include a confirmation message asking the user to confirm their decision to delete their account. Upon confirmation, the user data should be deleted from the "users" table.

Task 2: User Login and Authentication

Design a user login form using HTML, and PHP that authenticates the user against the previously registered user data stored in the MySQL "users" table. The login form should include the following fields:
- Email
- Password

Upon successful authentication, the user should be redirected to a welcome page that displays the user's first and last name. Otherwise, the login form should display an error message.

The user should also be able to view their information, including first name, last name, and email, by clicking on a link in the welcome page. The information should be retrieved from the "users" table and displayed on the information page.

HTML : 2
PHP and MySQL: 4
User validation and redirection: 6
Logout functionality: 4
Account deletion: 4