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ASSIGN8

This is a website made using PHP and mysql.

Github: [asmit203/Login-Profile-Database: Mysql & PHP website for login and registration and basic functionality of accounts (github.com)](#)
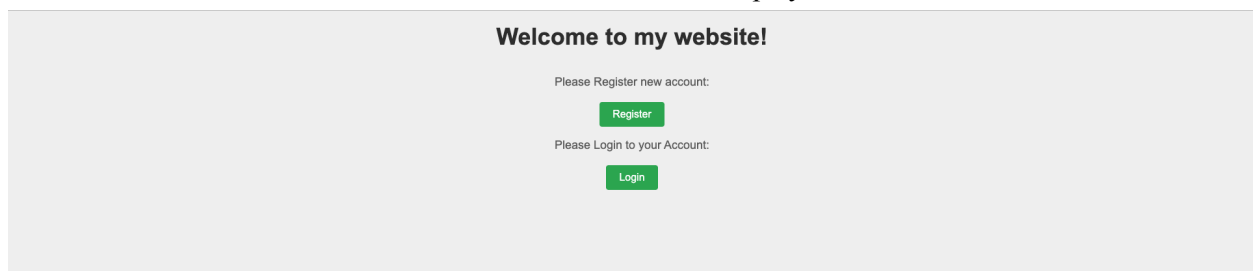GDrive: [registration](#)
Link to GDoc: 📄 Assign8
Link to demo: [demo website Assign8.mp4](#)

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

Welcome to my website!

Please Register new account:

Register

Please Login to your Account:

Login

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.

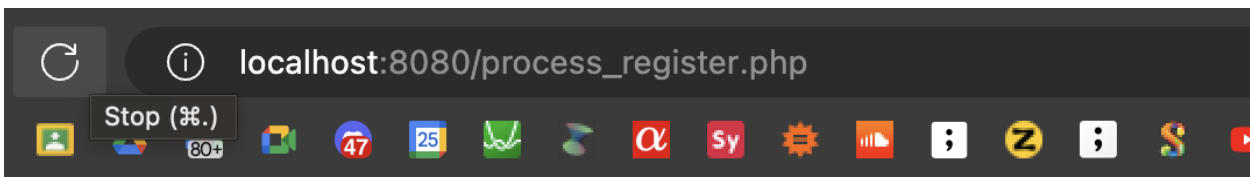<mark>Password strength:</mark>
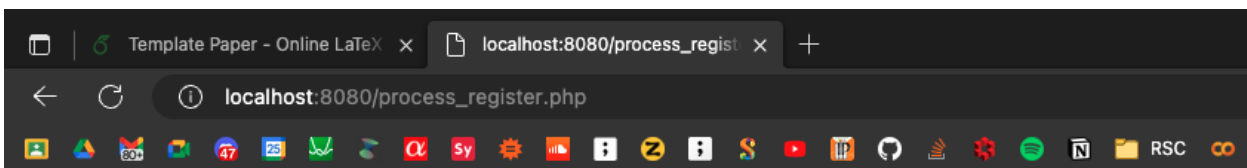
Password must be at least 8 characters long and contain at least one uppercase letter, one lowercase letter, and one number

Here one cannot have same email id as other if they enter then they are given an error:
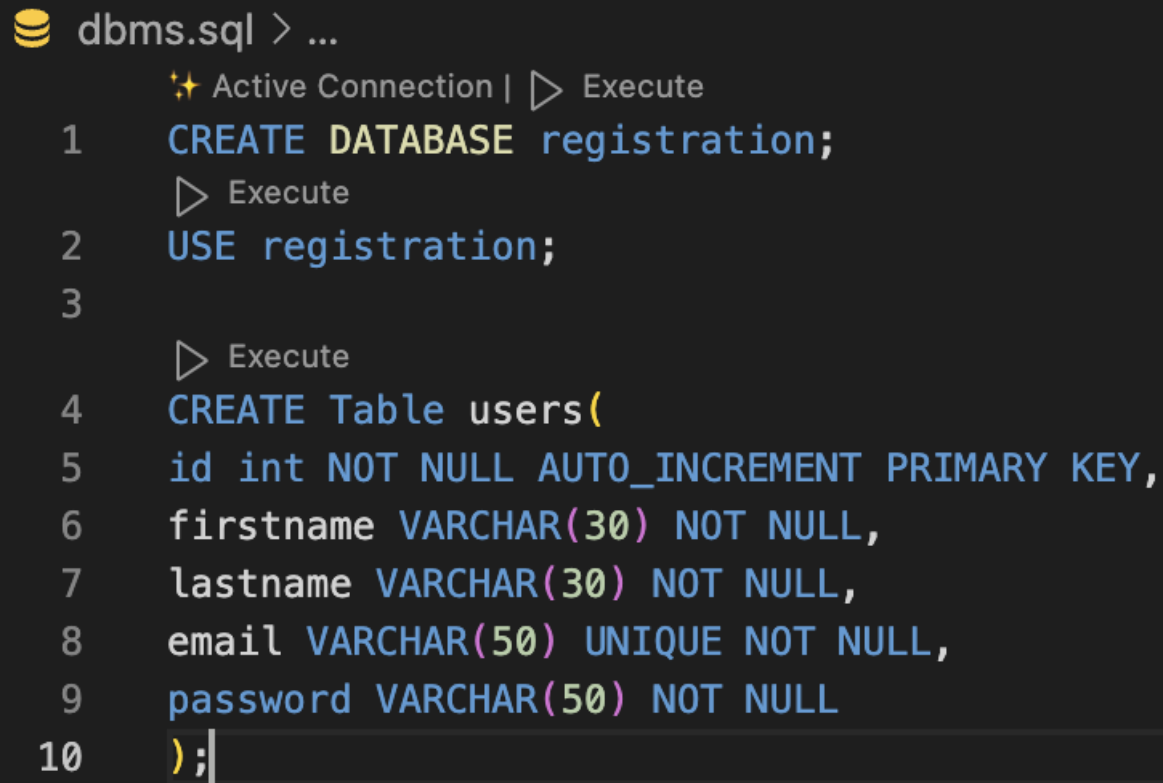

This Email already exists

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)
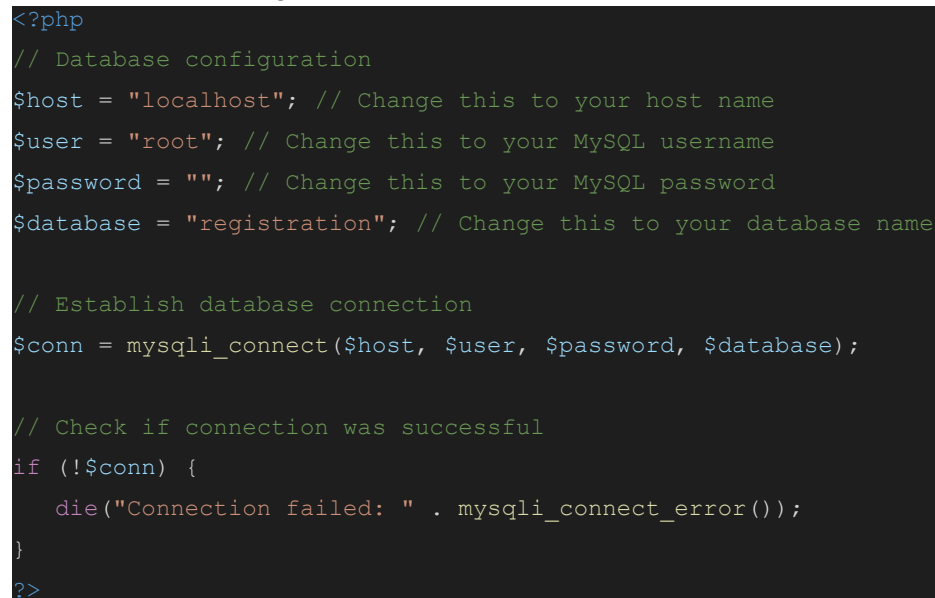- first_name
- last_name
- email
- password

The Database creation code:

```sql
dbms.sql > ...
        ✦ Active Connection | ▷ Execute
1       CREATE DATABASE registration;
        ▷ Execute
2       USE registration;
3
        ▷ Execute
4       CREATE Table users(
5       id int NOT NULL AUTO_INCREMENT PRIMARY KEY,
6       firstname VARCHAR(30) NOT NULL,
7       lastname VARCHAR(30) NOT NULL,
8       email VARCHAR(50) UNIQUE NOT NULL,
9       password VARCHAR(50) NOT NULL
10      );
```

The connection making file:

```php
<?php
// Database configuration
$host = "localhost"; // Change this to your host name
$user = "root"; // Change this to your MySQL username
$password = ""; // Change this to your MySQL password
$database = "registration"; // Change this to your database name

// Establish database connection
$conn = mysqli_connect($host, $user, $password, $database);

// Check if connection was successful
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
?>
```
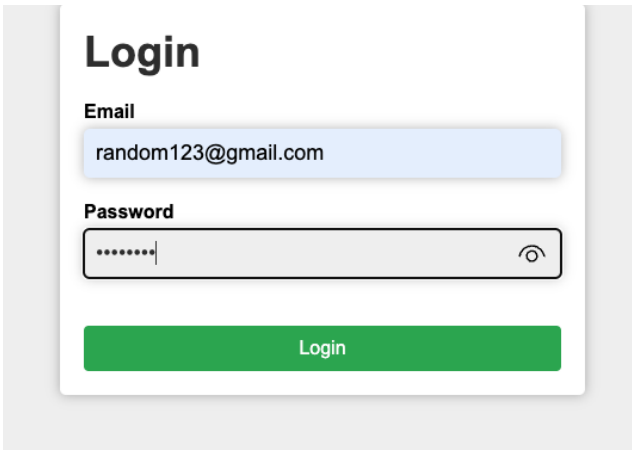
```
mysql> desc users;
+-----------+---------------+------+-----+---------+----------------+
| Field     | Type          | Null | Key | Default | Extra          |
+-----------+---------------+------+-----+---------+----------------+
| id        | int unsigned  | NO   | PRI | NULL    | auto_increment |
| firstname | varchar(30)   | NO   |     | NULL    |                |
| lastname  | varchar(30)   | NO   |     | NULL    |                |
| email     | varchar(50)   | NO   | UNI | NULL    |                |
| password  | varchar(50)   | NO   |     | NULL    |                |
+-----------+---------------+------+-----+---------+----------------+
5 rows in set (0.00 sec)
```

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:
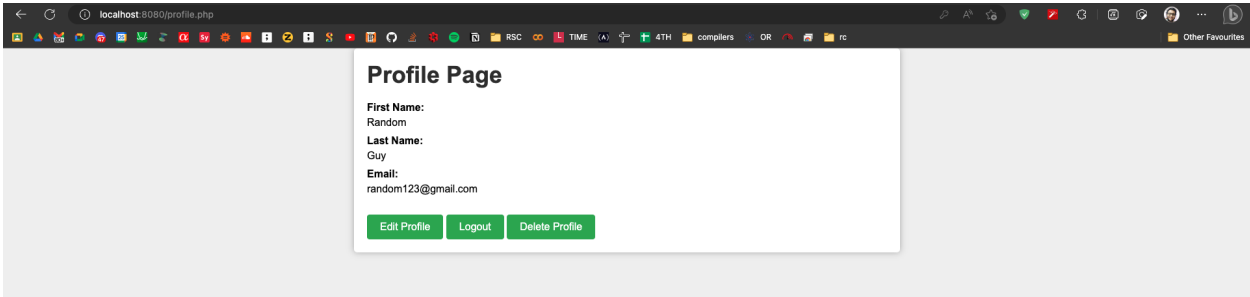
- Email
- Password

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

Login Page that leads to Profile page upon successful login.
If the credentials are incorrect then it goes back to the welcome page with url=
http://localhost:8080/index.php?error=Incorect%20User%20name%20or%20password

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.

Update profile page:

Update Profile

First Name:
Random

Last Name:
Guy

Email:
random123@gmail.com

Update

Update Password

Update Profile

First Name:
Random_updated

Last Name:
Guy

Email:
random123@gmail.com

Update

Profile Page

First Name:
Random_updated

Last Name:
Guy

Email:
random123@gmail.com

Edit Profile   Logout   Delete Profile

Email (Re-enter to Confirm):

Current Password:

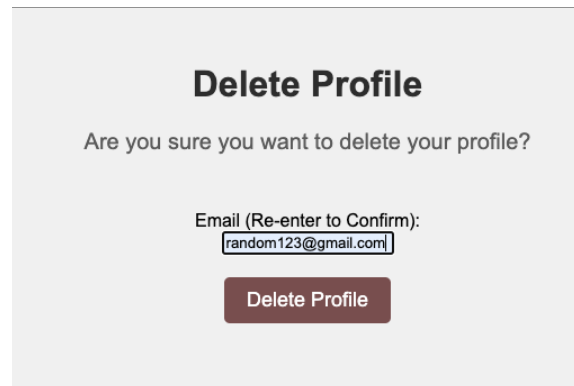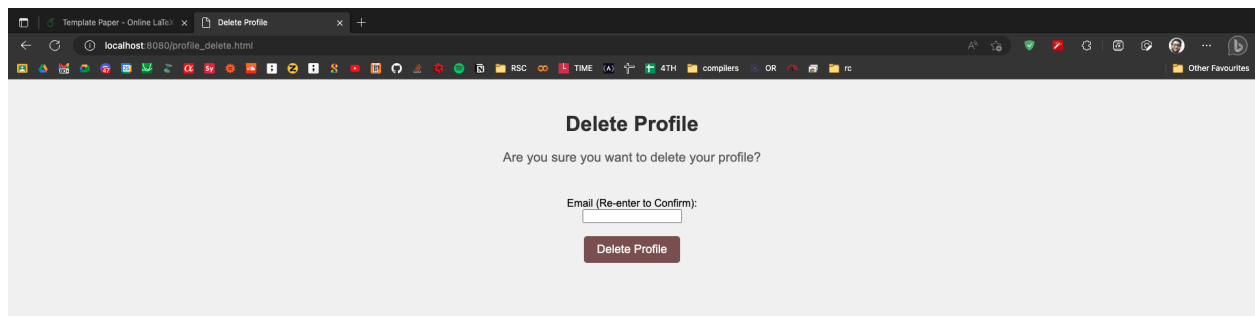New Password:

Confirm New Password:

Update Password

Note: The two users with id = 1 and id = 2 are entered manually to the database hence password doesn't follow the strength rule that is applied in the website.

```
Database changed
mysql> select * from users;
+----+-----------+-----------+--------------------------+------------+
| id | firstname | lastname  | email                    | password   |
+----+-----------+-----------+--------------------------+------------+
|  1 | Asmit     | Ganguly   | asmit.ganguly@gmail.com  | 8918473362 |
|  2 | Toshit    | Tejasvat  | toshit@gmail.com         | 1234       |
|  4 | a2        | l2        | a2l2@g.com               | Abcd@123   |
|  9 | archit    | sharma    | archit@g.com             | Abcd@123   |
| 12 | Random    | Guy       | random123@gmail.com      | Abcd@123   |
+----+-----------+-----------+--------------------------+------------+
5 rows in set (0.00 sec)

mysql> select * from users;
+----+----------------+-----------+--------------------------+------------+
| id | firstname      | lastname  | email                    | password   |
+----+----------------+-----------+--------------------------+------------+
|  1 | Asmit          | Ganguly   | asmit.ganguly@gmail.com  | 8918473362 |
|  2 | Toshit         | Tejasvat  | toshit@gmail.com         | 1234       |
|  4 | a2             | l2        | a2l2@g.com               | Abcd@123   |
|  9 | archit         | sharma    | archit@g.com             | Abcd@123   |
| 12 | Random_updated | Guy       | random123@gmail.com      | Abcd@1234  |
+----+----------------+-----------+--------------------------+------------+
5 rows in set (0.00 sec)
```

Delete Profile:
        It asks to re enter the email for confirming the deletion so no mistake occurs.

Delete Profile

Are you sure you want to delete your profile?

Email (Re-enter to Confirm):

Delete Profile

Delete Profile

Are you sure you want to delete your profile?

Email (Re-enter to Confirm):
random123@gmail.com

Delete Profile

```
5 rows in set (0.00 sec)

mysql> select * from users;
+----+----------------+----------+----------------------------+------------+
| id | firstname      | lastname | email                      | password   |
+----+----------------+----------+----------------------------+------------+
|  1 | Asmit          | Ganguly  | asmit.ganguly@gmail.com    | 8918473362 |
|  2 | Toshit         | Tejasvat | toshit@gmail.com           | 1234       |
|  4 | a2             | l2       | a2l2@g.com                 | Abcd@123   |
|  9 | archit         | sharma   | archit@g.com               | Abcd@123   |
| 12 | Random_updated | Guy      | random123@gmail.com        | Abcd@1234  |
+----+----------------+----------+----------------------------+------------+
5 rows in set (0.00 sec)

mysql> select * from users;
+----+-----------+----------+----------------------------+------------+
| id | firstname | lastname | email                      | password   |
+----+-----------+----------+----------------------------+------------+
|  1 | Asmit     | Ganguly  | asmit.ganguly@gmail.com    | 8918473362 |
|  2 | Toshit    | Tejasvat | toshit@gmail.com           | 1234       |
|  4 | a2        | l2       | a2l2@g.com                 | Abcd@123   |
|  9 | archit    | sharma   | archit@g.com               | Abcd@123   |
+----+-----------+----------+----------------------------+------------+
4 rows in set (0.00 sec)
```