

MySQL Database Structure (setup_database.sql):

This script sets up a MySQL database named registration_system and creates a table named users. The users table has the following columns:

```
CREATE TABLE users (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(255) NOT NULL,  
    email VARCHAR(255) NOT NULL UNIQUE,  
    phone_number VARCHAR(20) NOT NULL,  
    password VARCHAR(255) NOT NULL  
);
```

- **id:** An auto-incremented primary key for uniquely identifying each user.
- **name:** Stores the user's name.
- **email:** Stores the user's email address. It is marked as UNIQUE to ensure that each email is unique.
- **phone_number:** Stores the user's phone number.
- **password:** Stores the hashed password using the password_hash function.

Explanation of index.php (Login Form):

- The HTML part creates a login form with fields for email and password.
- CSS is used for styling to create a visually appealing and responsive design.
- When the form is submitted, it sends a POST request to login.php.

Explanation of login.php:

- It starts a session and includes the db_connection.php file.
- Checks if the email and password are submitted through POST.
- Queries the database to check if the user with the provided email exists.
- If the user exists, it verifies the password using password_verify.
- If the password is correct, it starts a session, stores the user ID, and redirects to profile.php.
- If the email or password is incorrect, it displays an error message.

Explanation of profile.php:

- It includes the db_connection.php file.
- Checks if the user is logged in using sessions; if not, it redirects to the login form.
- Retrieves user data from the database based on the stored user ID in the session.
- Displays the user's profile information in a structured HTML format.