



# EAST WEST UNIVERSITY

**Department of Computer Science and Engineering  
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**Course Code : CSE479  
Course Title: Web Programming  
Section: 03**

## Assignment Report

On

**Web-based Login and Registration System**

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GitHub Link: [https://github.com/napaSyrup-r/CSE479\\_Registration-Login-Assignment](https://github.com/napaSyrup-r/CSE479_Registration-Login-Assignment)

## 1. Introduction

The objective of this assignment is to build a minimal authentication module where users can register with their information and later log in using the same credentials. PHP handles server-side logic, MySQL (phpMyAdmin) stores user records, and HTML/CSS provide the user interface, with security intentionally simplified for learning purposes.

## 2. Technologies and Environment

- **HTML & CSS:** Structure and styling of the registration and login forms (glass-style cards, gradients, responsive form elements).
- **PHP:** Processes form submissions, checks for duplicate email, runs SQL queries, and generates success/error messages.
- **MySQL via phpMyAdmin:** Stores user records in a `users` table inside a database such as `login_system_new`.
- **XAMPP (Apache + MySQL):** Local environment for web server and database.

## 3. Database Design and Connection

The assignment uses a MySQL database (e.g., `login_system_new`) with a single `users` table that all registration and login logic reads from and writes to. The table includes an auto-increment `id`, `fullname`, `email`, `phone`, `address`, and `password`, where the password is stored in plain text as required by the assignment. A separate PHP file (`connection.php`) holds the server, username, password, and database configuration, creates the `mysqli_connect` link, and stops execution with an error if the connection fails so that faulty operations do not continue.

- Single database and `users` table for authentication data.
- Plain-text password storage.
- Central connection file reused by `register.php` and `login.php`.
- Script terminates with an error if the database connection fails.

## 4. Registration Page - (`register.php`)

The registration page (`register.php`) displays a styled form that collects Full Name, Email, Phone Number, Address, and Password from the user. When the form is submitted via POST, the script checks the `users` table to see whether the email is already registered; if it is, an error message is shown above the form, and no new record is created. If the email is not found, the script inserts a new row with all the submitted fields (including the plain-text password) and shows a success message so the user knows they can log in.

- Form fields: full name, email, phone, address, password (all required).
- Checks for duplicate email before inserting into `users`.

- Inserts a new user record on valid input and shows a success message.
- Shows error messages when the email already exists or insertion fails.

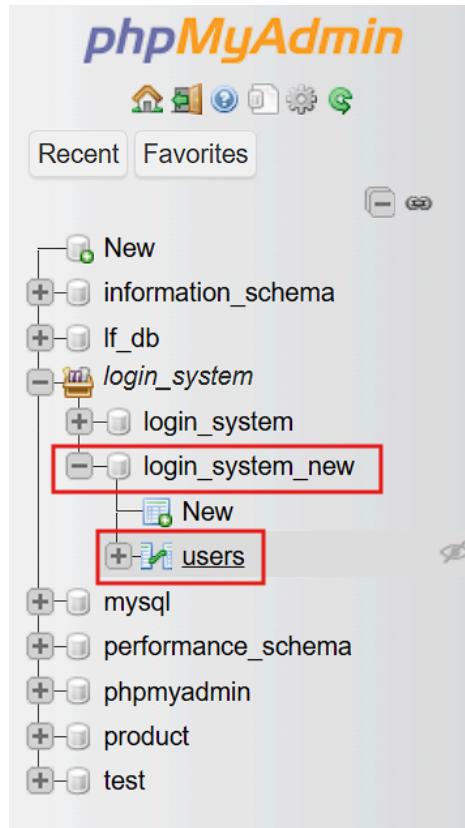
## 5. Login Page - (login.php)

The login page (`login.php`) provides a compact form with Email and Password inputs that match the values stored during registration. On POST submission, the script queries the `users` table using both email and plain-text password to find a matching record. If a match is found, it displays “User exists. Login successful.”; otherwise, it displays “User does not exist.” in the same message area, using the same glass-style UI as the registration page.

- Form fields: email and password only, matching stored data.
- Queries `users` with both email and password.
- Shows “User exists. Login successful.” when credentials are valid.
- Shows “User does not exist.” when no matching record is found.

## 6. Implementation

### 6.1 DataBase & user Table



phpMyAdmin

Server: 127.0.0.1 » Database: login\_system\_new » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

SELECT \* FROM `users`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

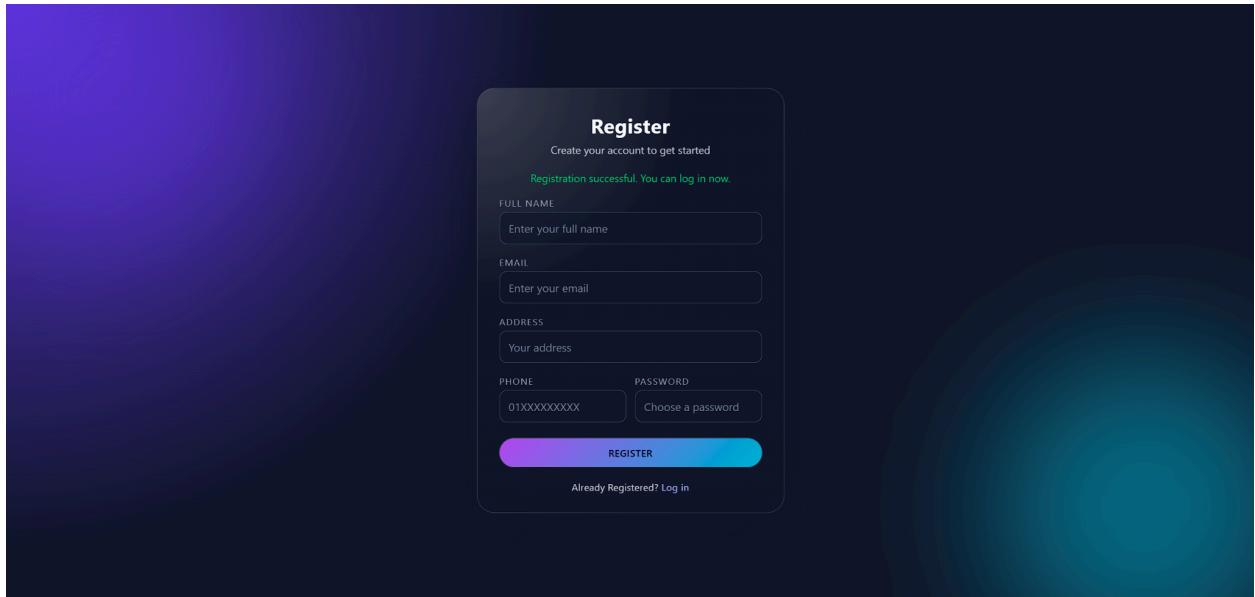
Extra options

		fullname	email	phone	address	password
<input type="checkbox"/>	1	FAYROZ TASNIM ROWZA	fayroztasnim@gmail.com	01234567899	500/a Goran, Road:05, Dhaka:1219	fayroztasnimi@gmail.com
<input type="checkbox"/>	2	Tasnim Tanha	tanha@gmail.com	01222222222	100/b Elephant Road, Dhaka:1219	tanha@gmail.com
<input type="checkbox"/>	3	Kabira Islam	kabira@gmail.com	01333333333	365/a Banasree, Block: B, Road no:04, Dhaka	kabira123
<input type="checkbox"/>	4	Maimuna Akter	maimuna@gmail.com	01777777777	Cumilla , Homna Thana	maimuna123

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

## 6.2 Registration Form (Successful Registration)



## 6.3 Registration Error

The image shows a registration form titled "Register". The form includes fields for "FULL NAME", "EMAIL", "ADDRESS", "PHONE", and "PASSWORD". A red error message "Email already registered." is displayed above the "EMAIL" field. A "REGISTER" button is at the bottom, and a link "Already Registered? Log in" is below it.

**Register**  
Create your account to get started  
Email already registered.

FULL NAME  
Enter your full name

EMAIL  
Enter your email

ADDRESS  
Your address

PHONE  
01XXXXXXXXX

PASSWORD  
Choose a password

REGISTER

Already Registered? [Log in](#)

## 6.4 Login Form

The image shows a login form titled "Log in". The form includes fields for "EMAIL" and "PASSWORD". A green success message "Log in successful" is displayed above the "EMAIL" field. A "LOG IN" button is at the bottom, and a link "New here? Register" is below it.

**Log in**  
Log in to continue

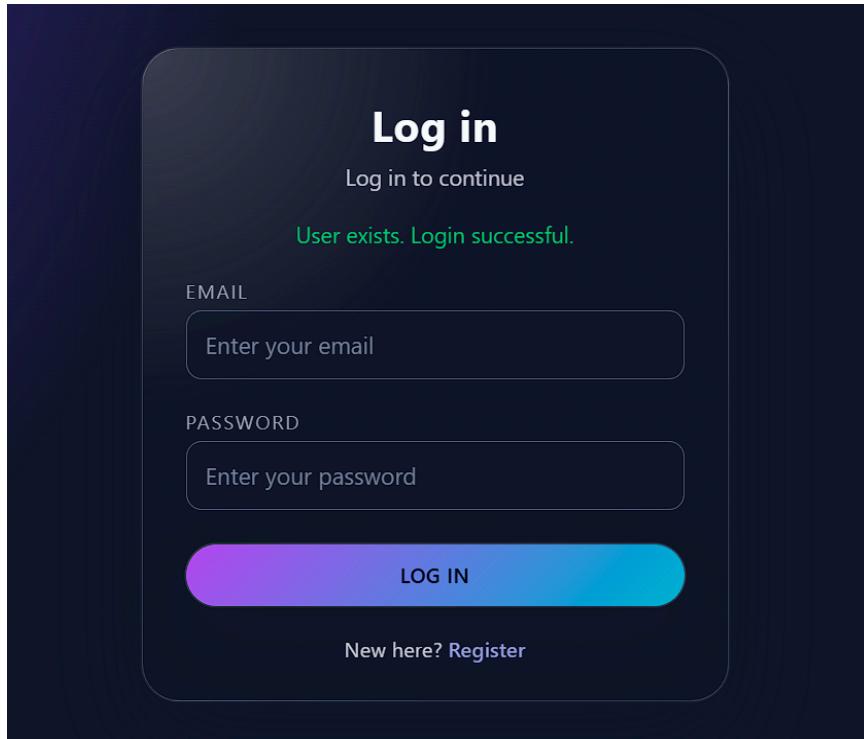
EMAIL  
Enter your email

PASSWORD  
Enter your password

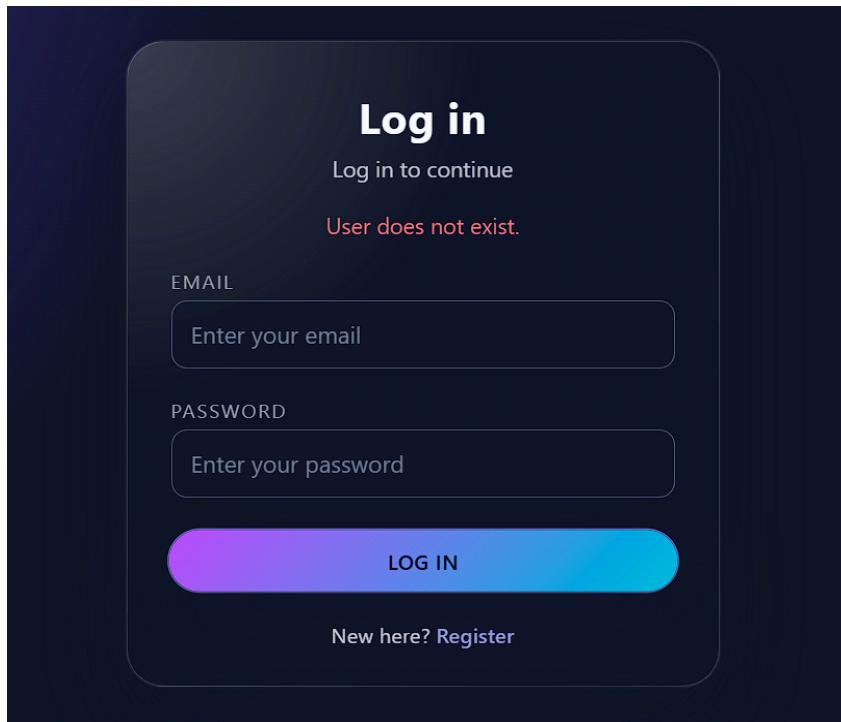
LOG IN

New here? [Register](#)

## 6.5 Successful Login Message



## 6.6 Failed Login Message



## **7. Limitations and Enhancements**

Passwords are stored in plain text and SQL queries use direct interpolation, so this assignment is not secure for real deployment; future improvements could add password hashing, prepared statements, and session-based access control in a protected home page.

## **9. Conclusion**

The assignment successfully implements the required Login and Registration functionality using HTML, CSS, PHP, and MySQL, including storing user details, preventing duplicate email registration, and validating credentials with clear success and error messages. Although intentionally simplified, it demonstrates the complete end-to-end flow from form input to database operations and serves as a solid foundation for more secure and feature-rich authentication systems in future work.