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## Project Details

Project Name:	User Authentication System
Assigned To:	Gangireddy Pavan Kumar Reddy
Due Date:	2025-04-01

### Description:

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The **User Authentication System** is a web-based application that provides **secure login, registration, and user session management**. It ensures that only authorized users can access specific sections of a website or application. This project will be developed using **PHP, Bootstrap, and MySQL** to ensure a **secure and user-friendly authentication process**.

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### Features to Implement

1.

#### User Registration

- Users can **sign up with**:
  - **Username**
  - **Email**
  - **Password (hashed for security)**

2.

#### User Login & Logout

- Secure **login system** using email/username and password validation.
  - **Session-based authentication** to maintain user login state.
  - Logout functionality to **end user sessions securely**.
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3.

#### **Password Hashing & Security**

- Store passwords securely using **bcrypt hashing**.
- Implement **input validation and SQL injection protection**.

4.

#### **User Dashboard (After Login)**

- Display a **welcome message with user details**.
- Restrict access to **protected pages** for logged-in users only.

5.

#### **Forgot Password (Optional)**

- Allow users to **reset their password** via email verification.

6.

#### **Admin Panel (User Management)**

- Admin can **view, edit, and delete user accounts**.

7.

#### **Database Management**

- Store **user credentials, login timestamps, and session data** in MySQL.
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8.

### **Security Measures**

- Implement **reCAPTCHA** to prevent bots.
- Use **HTTPS encryption** for secure data transmission.