Project Details

Project Name:	Multi-User Chat Application
Assigned To:	Komiri Akhila
Due Date:	2025-04-01

Description:

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The **Multi-User Chat Application** is a web-based system that allows multiple users to **send and receive real-time messages** in a chatroom. The system enables users to **register, log in, and communicate with other active users** in a secure environment. This project will be developed using **PHP, Bootstrap, JavaScript (AJAX/WebSockets), and MySQL** to ensure a dynamic and responsive experience.

Features to Implement

1.

   User Authentication

   - Users must **register and log in** to access the chat.

   - Secure login with **password hashing**.

2.

   Real-Time Messaging System

   - Users can **send and receive messages instantly**.

   - Display **timestamps** for each message.

3.

   Chatroom & User List

   - Show **online users** and allow one-on-one or group chats.

- Display chat history from the database.

4.

AJAX or WebSockets for Instant Updates

- Implement **AJAX polling or WebSockets** for real-time chat updates.

5.

Admin Panel (User & Chat Management)

- Admin can **view and manage users**.
- Ability to **delete inappropriate messages**.

6.

Database Management

- Store **user details, messages, and timestamps** in MySQL.

7.

Security Measures

- Prevent **SQL injection and XSS attacks**.
- Use **session authentication** to restrict unauthorized access.