**Real Time Chat App**

A real-time messaging web application built using **HTML**, **CSS**, **JavaScript**, **AJAX**, and **PHP**. This app provides a fully interactive chat experience, replicating almost all core features of a messenger.

**Features**

* **Real-time Messaging**: Instant sending and receiving of messages using AJAX and PHP.
* **User Authentication**: User registration and login system for personalized chats.
* **Chat Rooms**: Users can join predefined or custom chat rooms for group conversations.
* **Private Messaging**: Users can send direct messages to others.
* **Message Notifications**: Get notified of incoming messages without needing to refresh the page.
* **Message History**: All chat history is saved and accessible, allowing users to scroll through past conversations.
* **Responsive Design**: Works seamlessly across devices with mobile-friendly layout.

**Technologies Used**

* **Frontend**: HTML, CSS, JavaScript, AJAX
* **Backend**: PHP
* **Database**: MySQL (for storing user and message data)

**Installation**

1. Clone the repository to your local machine:

bash

Copy code

git clone https://github.com/your-username/real-time-chat-app.git

1. Set up a local server environment (e.g., XAMPP, WAMP) to run PHP and MySQL.
2. Create a MySQL database and import the database.sql file included in the project.
3. Update the database connection credentials in the config.php file.
4. Open index.php in your browser to access the app.

**Screenshots**

* Screenshot 1 (e.g., Chat Room interface)
* Screenshot 2 (e.g., User Registration/Login)

**Contributing**

Feel free to fork this repository and submit pull requests. Contributions are welcome!