

LAB 4 - The ChatBot

Objective: Design a Client-Server Chat Application.

Methodology: We used Bootstrap for the front end and PHP, mySql for the backend to design a web based chat bot.

PERKS:

No user can see the chat of another user.

Messages can be delivered offline.

We have used GUI interface to make it work.

We also added a logo to the Application.

User can see all the users connected to the application, and also their own conversations (in Inbox).

WORKING:

For the frontend, we have used HTML5, CSS3, Javascript, jQuery. For the backend connections, we have used PHP and AJAX. For the backend database (to store the users' data), we have used MySQL DBMS and there's a dbms called **chatbots** and it contains **two** tables:

- users → This table has two fields, username and password to store the login data.
- messages → This table has four fields, **fromID** (who sent the message), **toid** (to whom), **time** (at what time), **data** (message data).

Sessions were created for each user when they login, and users data is extracted from the database to show different users on ChatBot. To send a message, to show all messages, to show inbox -- we have created different PHP Scripts which can be found in the PHP folder. The CSS scripts can be found on the CSS folder. The main JS file can be found in the Js folder (index.js).

Pictures:

- The ChatBot -

Baat Karne Se Baat Banti Hai!

| Log In | Sign Up |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Username <input type="text" value="Username"/></p> <p>Password <input type="password" value="Password"/></p> <p><input type="button" value="Sign in"/></p> | <p>Username <input type="text" value="Username"/></p> <p>Password <input type="password" value="Password"/></p> <p>Re-Password <input type="password" value="Re-Enter Your Password"/></p> <p><input type="button" value="Sign up"/></p> |



Welcome sai!

Users

Following users are connected to The ChatBot:

| Username |
|----------|
| love |
| admin |
| akrati |



Welcome sai!

Message Thread - love

| User | Time | Message |
|------|---------------------|--------------|
| You | 2017-02-14 14:57:03 | Hi |
| You | 2017-02-14 14:57:08 | Hello |
| love | 2017-02-14 15:45:21 | yo bro |
| love | 2017-02-14 15:47:02 | howz my bruh |
| You | 2017-02-14 15:47:17 | yo man |



Welcome sai!

Your Conversations

Here are the people with whom you have exchanged messages:

| Username |
|----------|
| love |

Conclusion: Successfully designed a web-based client-server chat application.