

Name: Deep Patel

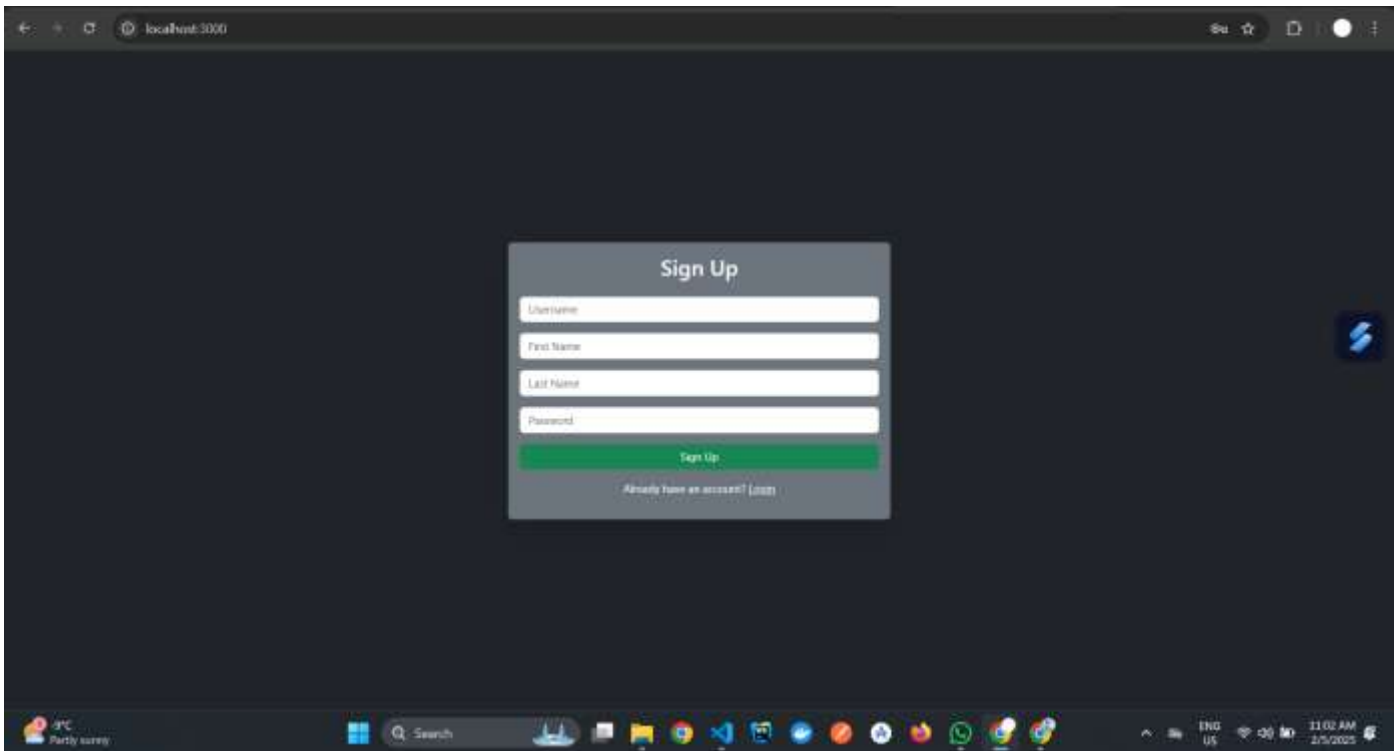
Student ID: 101415117

COMP-3133 LAB\_TEST-1

GitHub Repo Link: [https://github.com/Deeppatel91/101415117\\_lab\\_test1\\_chat\\_app](https://github.com/Deeppatel91/101415117_lab_test1_chat_app)

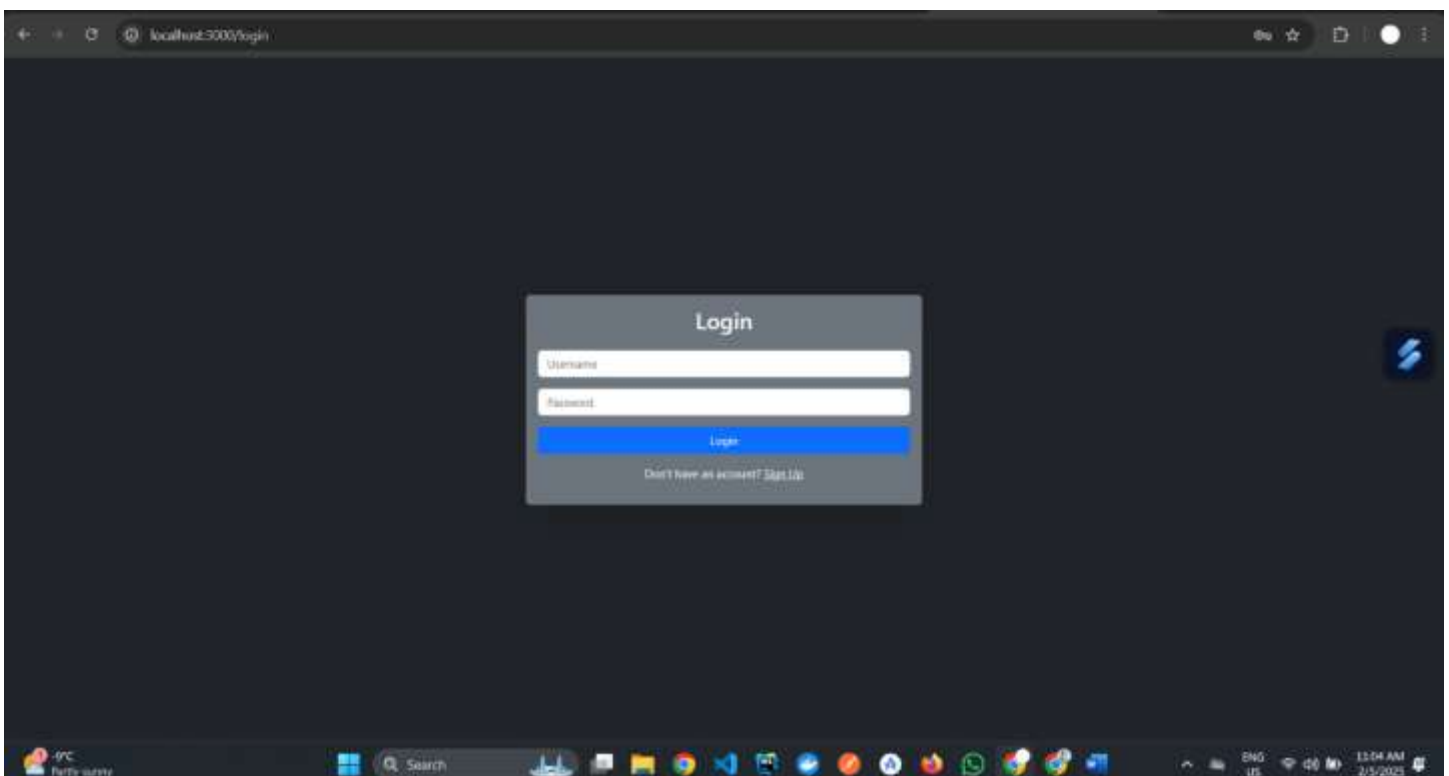
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- 1) Signup Page: This page allows users to create an account by entering their details.



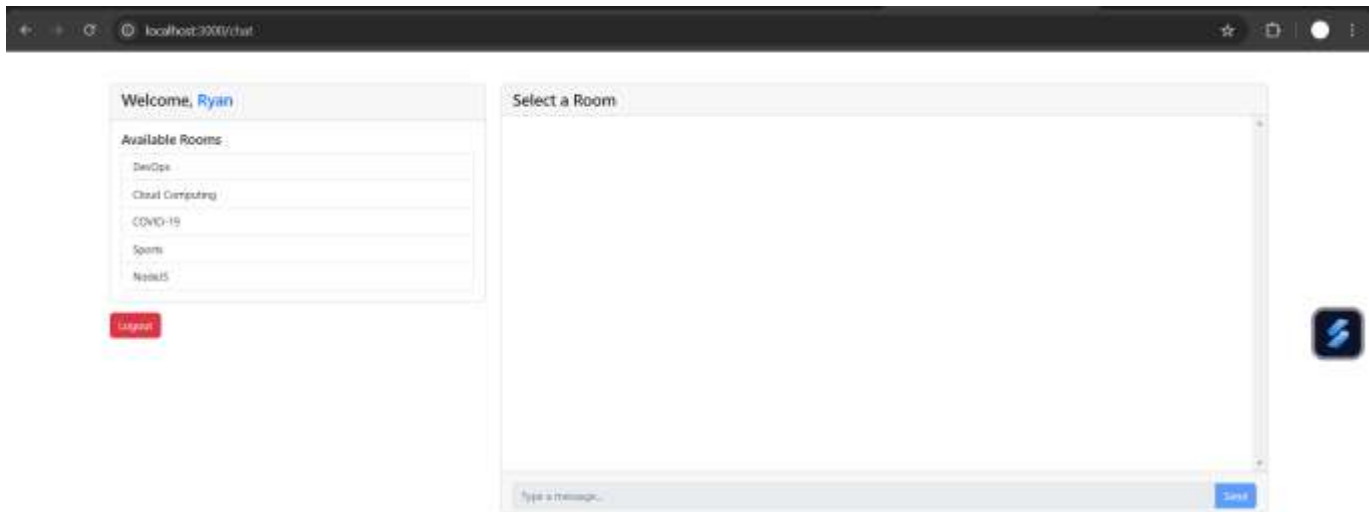
The screenshot shows a web browser window with the address bar displaying 'localhost:3000'. The main content area features a 'Sign Up' form centered on a dark background. The form has a title 'Sign Up' and four input fields: 'Username', 'First Name', 'Last Name', and 'Password'. Below these fields is a green 'Sign Up' button. At the bottom of the form, there is a link that says 'Already have an account? (login)'. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the temperature is 9°C, the language is ENG US, and the time is 11:02 AM on 2/5/2025.

- 2) Login Page: Users can log in using their registered credentials to access the chat application.

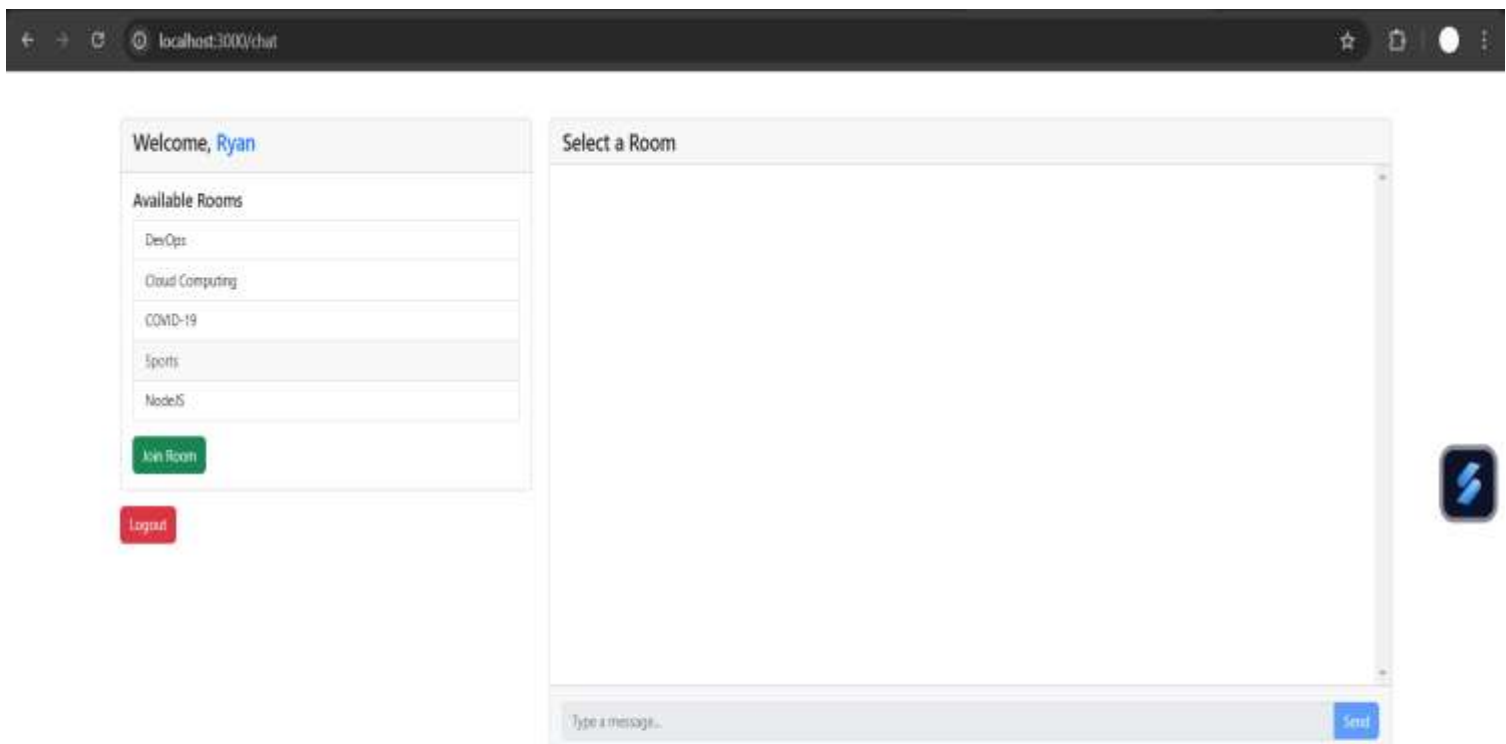


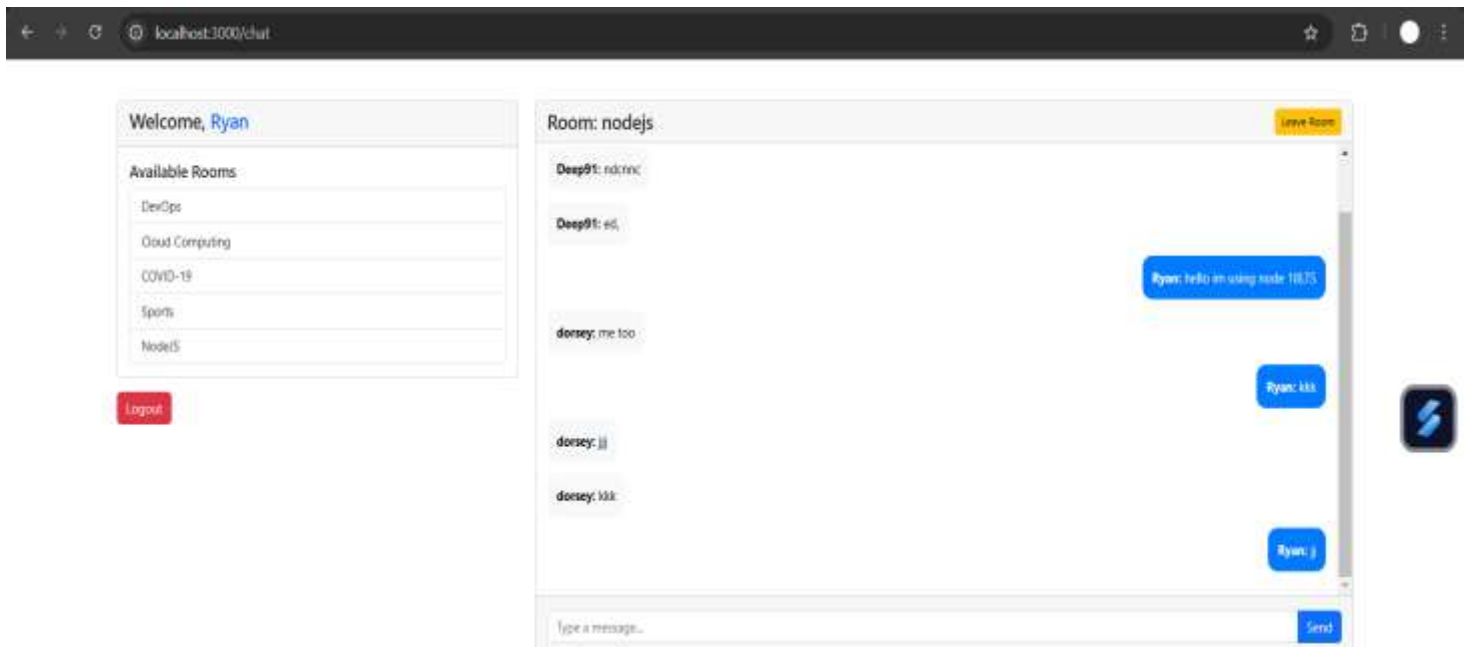
The screenshot shows a web browser window with the address bar displaying 'localhost:3000/login'. The main content area features a 'Login' form centered on a dark background. The form has a title 'Login' and two input fields: 'Username' and 'Password'. Below these fields is a blue 'Login' button. At the bottom of the form, there is a link that says 'Don't have an account? Sign Up'. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the temperature is -1°C, the language is ENG US, and the time is 11:04 AM on 2/5/2025.

### 3) Chat Room Page main: Group Message

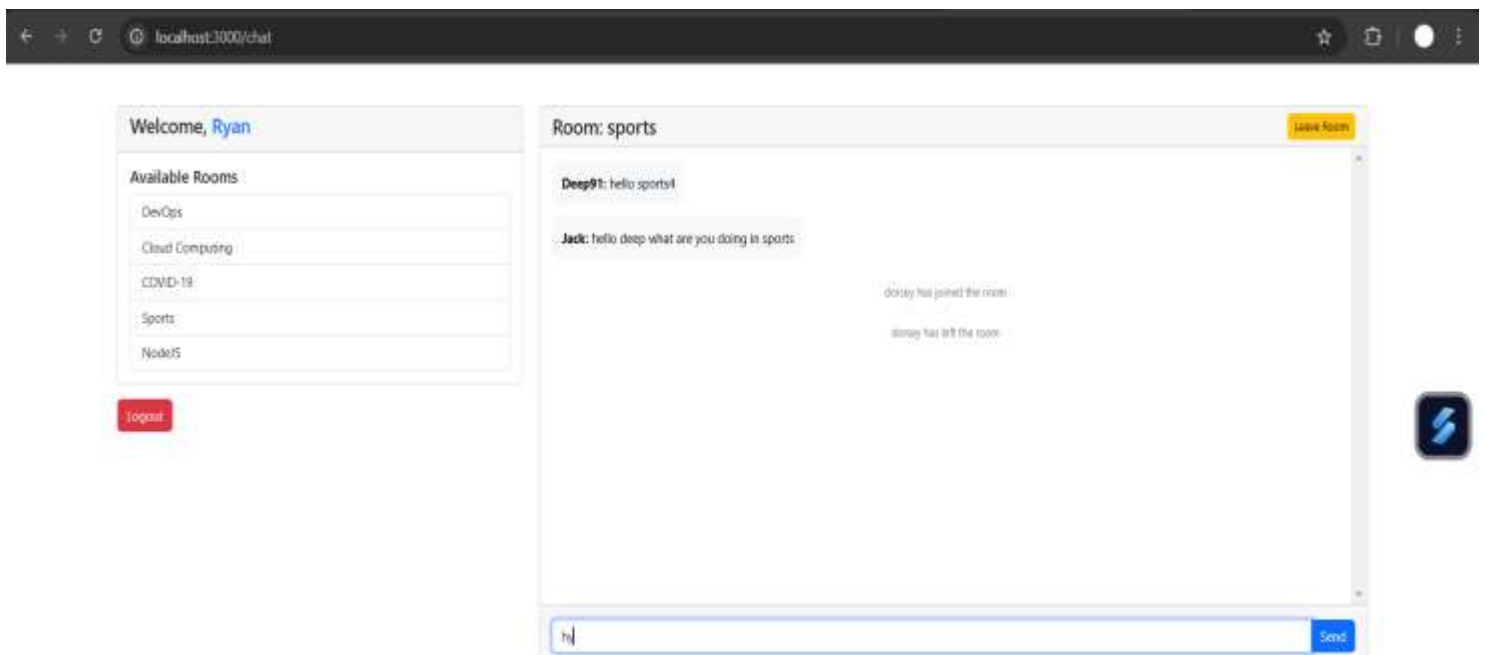


### 4) Join Chat Room: Users can **join** or **leave** a chat room using the **Join Room** and **Leave Room** buttons.

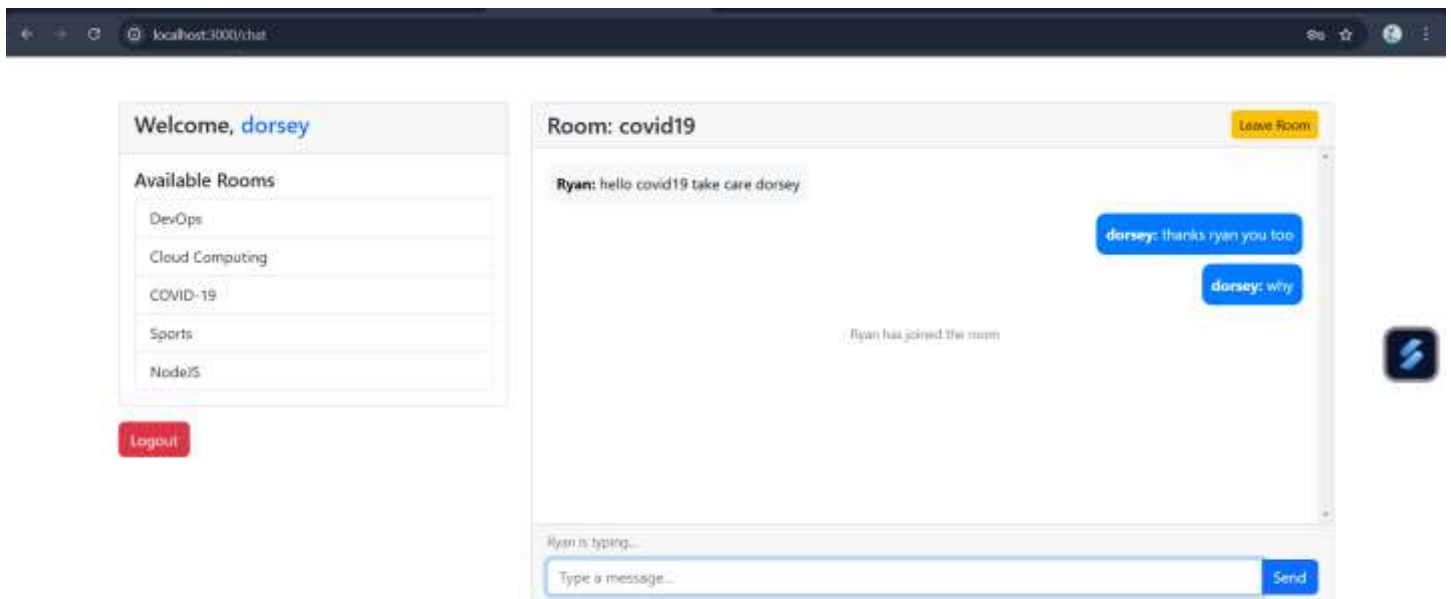




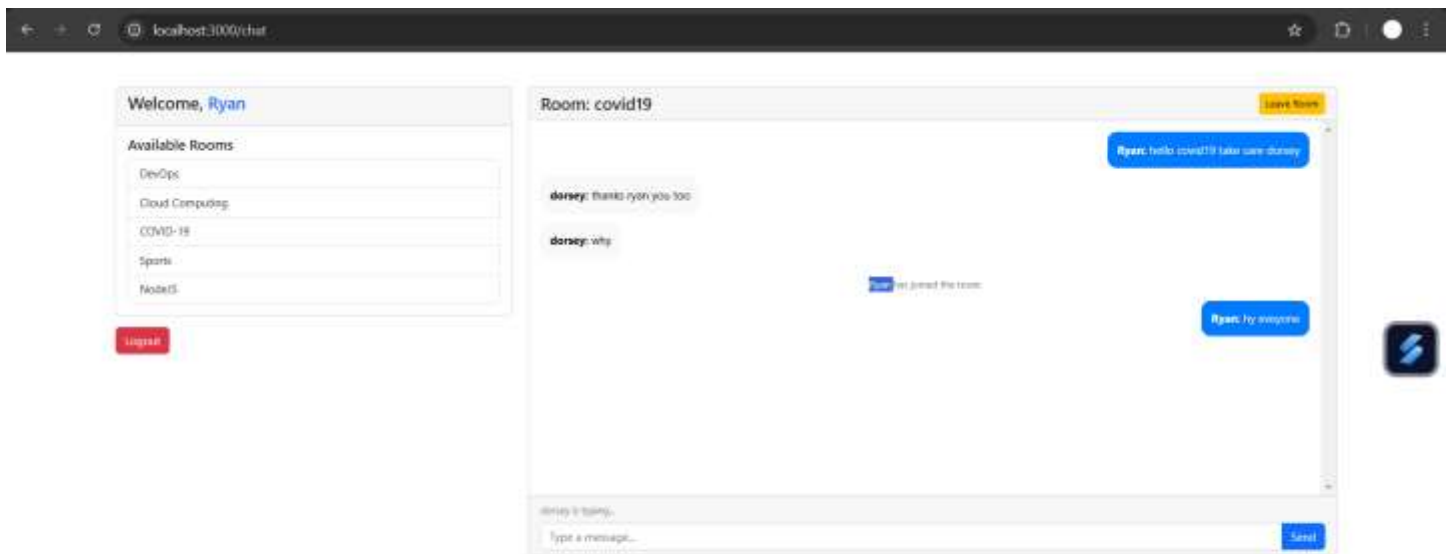
- 5) Join room, Left Room Message: A system message appears when a user joins or leaves the chat room, notifying other participants.



## 6) User is Typing



**Example:** "Ryan is typing..." in the **COVID-19 Room Chat**. Visible to all users here



**Example:** "Dorsey is typing a response to Ryan..."—visible to all users in the chat room.

## 7) Mongoose Database Screenshot: Structured Database

The screenshot displays the MongoDB Atlas web interface. The left sidebar shows the navigation menu with sections like Overview, DATABASE, Clusters, SERVICES, and SECURITY. The main panel is titled 'Data Services' and shows a collection named 'groupmessages' under the 'chatApplication' database. The collection statistics indicate a storage size of 36KB, a logical data size of 3.94KB, 34 total documents, and a total index size of 36KB. The 'Find' tab is active, showing a search bar and a filter input. A sample document is displayed in the center:

```
{
  "_id": ObjectId("67a3c5e775491a56a614f248"),
  "from_user": "darjay",
  "room": "cowM819",
  "message": "Thanks Ryan you too",
  "date_sent": "2023-02-05T15:38:07.416+00:00",
  ...
}
```

Below the document, it indicates '1-20 of many results'. The bottom of the interface shows the Windows taskbar with various application icons and the system clock displaying 11:45 AM on 2/5/2023.