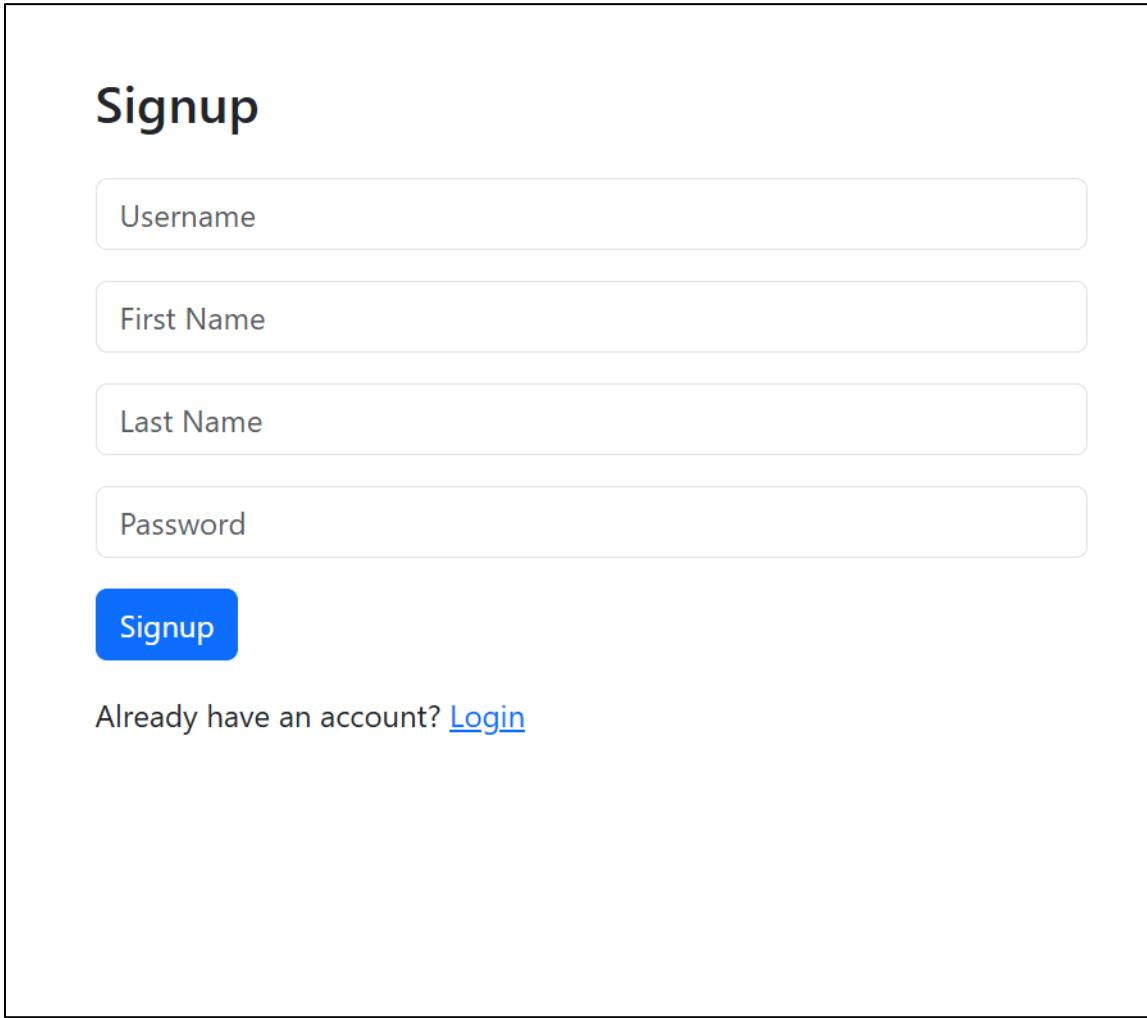


COMP 3133 – Lab Test 1 Chat Application
Screenshot

1. Signup Page Working



The screenshot shows a "Signup" page with the following elements:

- A title "Signup" centered at the top.
- Four input fields stacked vertically: "Username", "First Name", "Last Name", and "Password".
- A blue "Signup" button with white text centered below the input fields.
- Text at the bottom stating "Already have an account? [Login](#)".

2. MongoDB Atlas – Users Collection

The screenshot shows the MongoDB Atlas Data Explorer interface. At the top, it displays the organization "Anudhin's Org - 2025..." and project "Project 0". The left sidebar has sections for "Data Explorer", "My Queries", and "Data Modeling". Under "CLUSTERS", there is a search bar and a list of clusters: "gaurav", "comp3123_assignment", "lab3_restaurant_database", "lab_test1_chat_app" (which is expanded to show "groupmessages", "privatemessages", and "users"), "local", and "sample_mflix". The main area shows the "users" collection under "Cluster0 > lab_test1_chat_app > users". It has tabs for "Documents" (3), "Aggregations", "Schema", "Indexes" (2), and "Validation". A query input field says "Type a query: { field: 'value' } or Generate query". Below it, two documents are listed:

```
_id: ObjectId('698d0f6eae295cb5b4ce35de')
username : "Zoro"
firstname : "Zoro"
lastname : "Roronoa"
password : "Zoro"
createon : 2026-02-11T23:23:26.574+00:00
__v : 0

_id: ObjectId('698d1dd17fef67950a81ac1d')
username : "Luffy"
```

3. Login Page Working

The screenshot shows a simple login page. The title "Login" is at the top. Below it is a text input field containing "Luffy". Below the input field is a password input field containing "*****". At the bottom is a green "Login" button. Below the button is the text "New user? [Signup](#)".

4. Chat Page After Login

Chat App

Logout

Logged in as: Luffy Monkey (@Luffy)

Current Room: None

sports

Join Room

Leave Room

Group Chat (Room)

Type group message...

Send

5. Join Room Functionality

Chat App

Logged in as: Luffy Monkey (@Luffy)
Current Room: sports

sports

Join Room

Leave Room

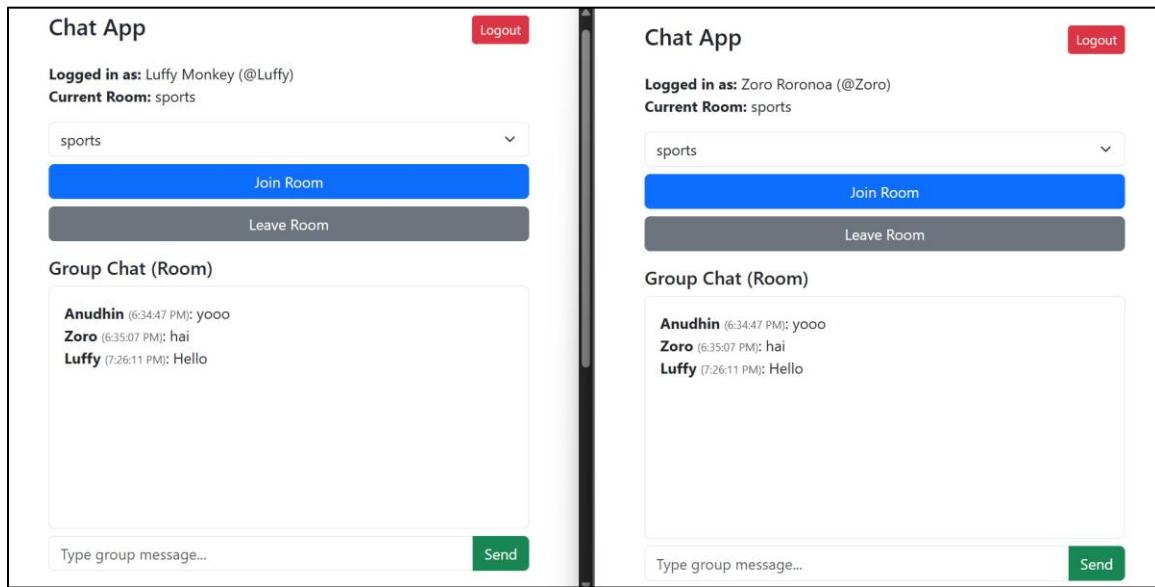
Group Chat (Room)

Anudhin (6:34:47 PM): yooo
Zoro (6:35:07 PM): hai
Luffy (7:26:11 PM): Hello

Type group message...

Send

6. Real-time Group Chat



7. MongoDB Atlas – Group Messages Collection

The image shows the MongoDB Atlas Data Explorer interface for the "groupmessages" collection in the "lab_test1_chat_app" database.

Left Panel (Data Explorer): Shows the "Data Explorer" sidebar with sections for "My Queries", "Data Modeling", and "CLUSTERS (1)". The "CLUSTERS" section lists several databases, with "lab_test1_chat_app" expanded to show its collections: "groupmessages", "privatemessages", and "users".

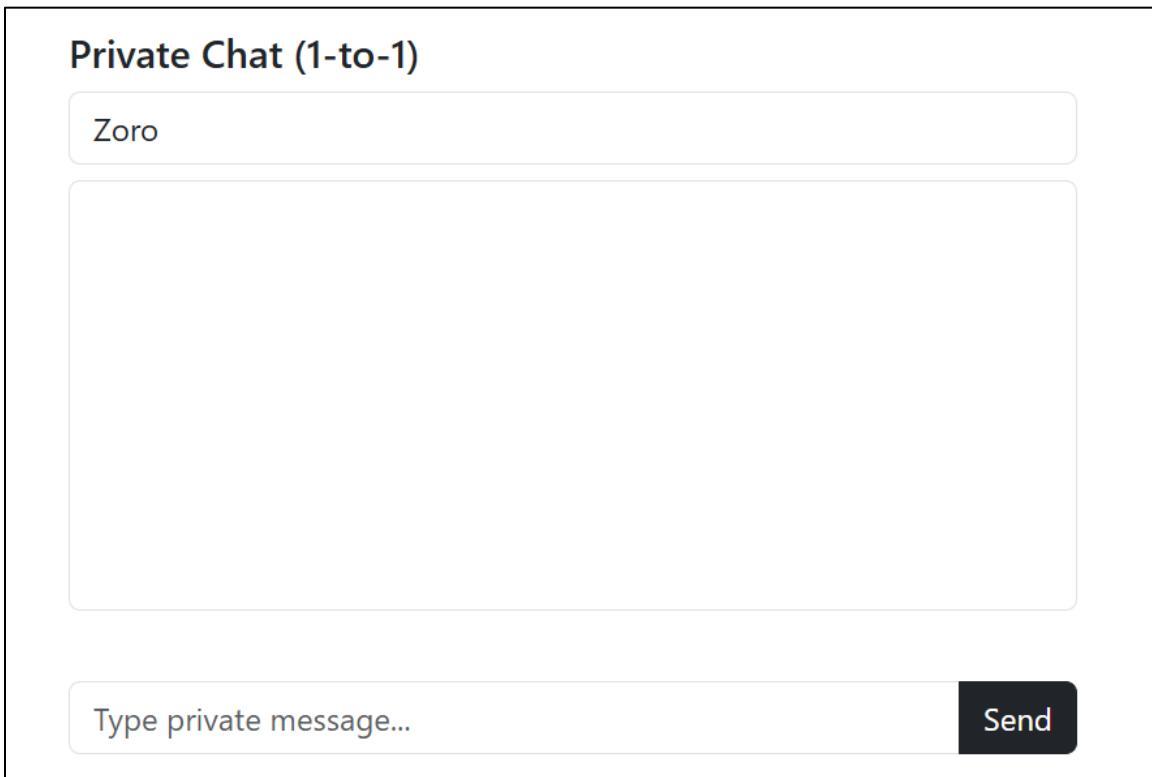
Right Panel (Documents): Displays the "Documents" tab for the "groupmessages" collection, which contains 5 documents. One document is highlighted:

```
_id: ObjectId('698d122bc41338f9f0608a2f')
from_user : "Zoro"
room : "sports"
message : "hai"
date_sent : 2026-02-11T23:35:07.475+00:00
--v : 0
```

Below this, another document is shown:

```
_id: ObjectId('698d1e237fef67950a81ac21')
from_user : "Luffy"
room : "sports"
message : "Hello"
```

8. Private Chat (1-to-1 messaging working)



9. Typing Indicator Showing



10. MongoDB Atlas – Private Messages Collection

The screenshot shows the MongoDB Data Explorer interface. On the left, the 'Data Explorer' sidebar includes sections for 'My Queries', 'Data Modeling', and 'Clusters'. Under 'Clusters', the 'privatemessages' collection is selected. The main area displays the 'privatemessages' collection from 'Cluster0 > lab_test1_chat_app'. The 'Documents' tab is active, showing two documents. The first document contains the message 'ney' sent at 2026-02-11T23:30:31.850+00:00. The second document contains the message 'Hello' sent at 2026-02-12T00:27:24.177+00:00.

_id	from_user	to_user	message	date_sent
ObjectId('698d1e6c7fef67950a81ac26')	Luffy	Zoro	ney	2026-02-11T23:30:31.850+00:00
ObjectId('698d1e6c7fef67950a81ac27')	Luffy	Zoro	Hello	2026-02-12T00:27:24.177+00:00

11. Leave Room Functionality

The screenshot shows a group chat interface titled 'Group Chat (Room)'. It displays messages from three users: Anudhin, Zoro, and Luffy. Luffy's message indicates they have left the room, specifying 'sports' as the reason. At the bottom, there is a text input field for sending a group message and a green 'Send' button.

Anudhin (6:34:47 PM): yooo
Zoro (6:35:07 PM): hai
Luffy (7:26:11 PM): Hello
Left room: sports

Type group message... Send

12. Logout Functionality



13. Git Hub

A screenshot of a GitHub repository page for "101516423_lab_test1_chat_app". The repository is public. The main branch is "main". There is 1 branch and 0 tags. The repository was last updated 1 minute ago. A search bar at the top says "Go to file". Below the search bar is a "Add file" button and a "Code" dropdown menu. The repository contains the following files and their commit history:

File	Commit Message	Time Ago
models	COMP3133 Lab Test 1 Chat App	1 minute ago
node_modules	COMP3133 Lab Test 1 Chat App	15 minutes ago
public/js	COMP3133 Lab Test 1 Chat App	11 minutes ago
routes	COMP3133 Lab Test 1 Chat App	15 minutes ago
view	COMP3133 Lab Test 1 Chat App	15 minutes ago
.env	COMP3133 Lab Test 1 Chat App	15 minutes ago
README.md	COMP3133 Lab Test 1 Chat App	1 minute ago
package-lock.json	COMP3133 Lab Test 1 Chat App	15 minutes ago
package.json	COMP3133 Lab Test 1 Chat App	15 minutes ago
server.js	COMP3133 Lab Test 1 Chat App	15 minutes ago