

COMP 3133 – Lab Test 1 Chat Application Screenshot

1. Signup Page Working

Signup

Signup

Already have an account? [Login](#)

2. MongoDB Atlas – Users Collection

ORGANIZATION: Anudhin's Org - 2025... PROJECT: Project 0

Data Explorer

My Queries
Data Modeling

CLUSTERS (1)

- Search clusters
- gumini
- comp3123_assignment1
- lab3_restaurant_database
- lab_test1_chat_app
 - groupmessages
 - privatemessages
 - users**
- local
- sample_mflix

Cluster0 > lab_test1_chat_app > users

Documents (3) Aggregations Schema Indexes (2) Validation

Type a query: { field: 'value' } or [Generate query](#)

25 1 -

```
{
  "_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

Login

Luffy

.....

Login

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

Logout

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

sports

Join Room

Leave Room

Group Chat (Room)

Anudhin (6:34:47 PM): yooo

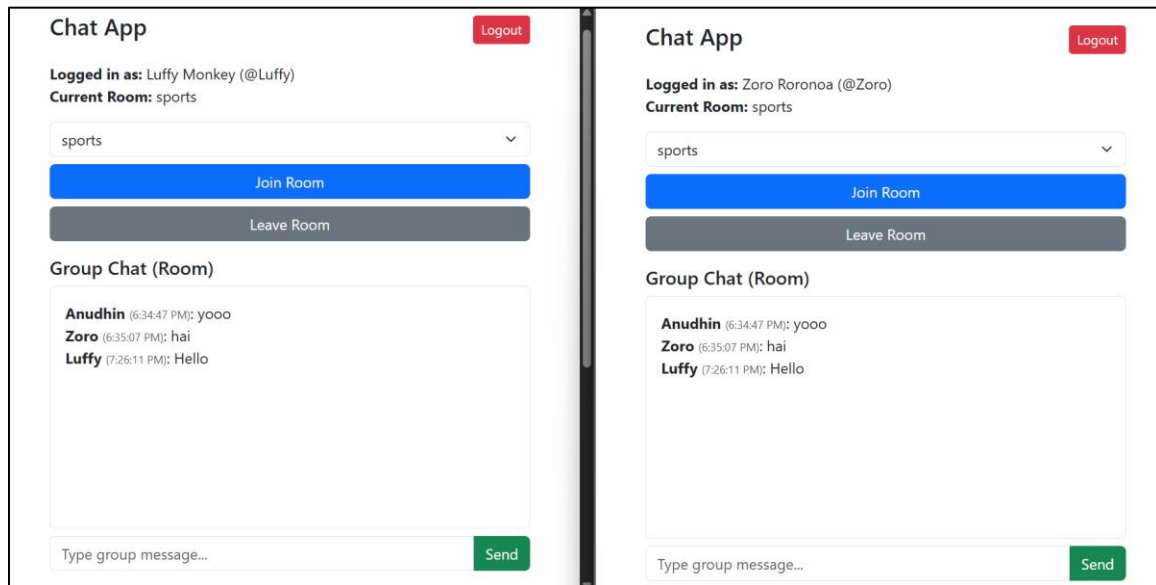
Zoro (6:35:07 PM): hai

Luffy (7:26:11 PM): Hello

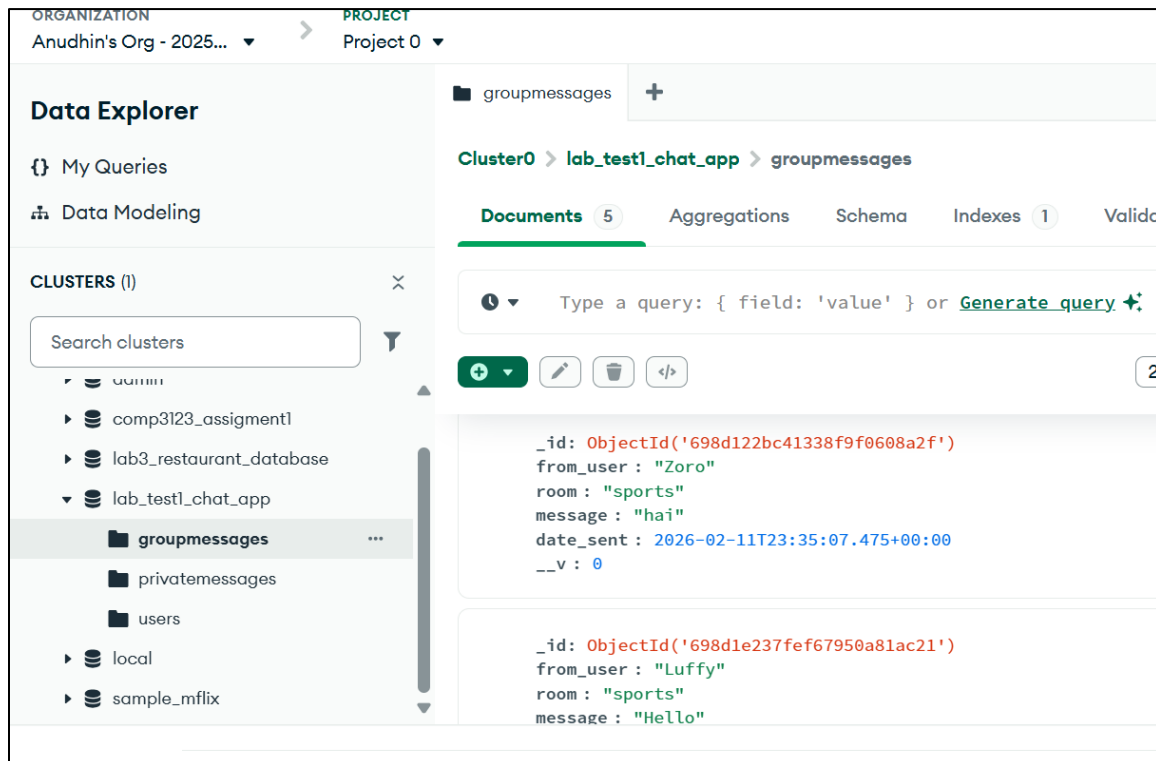
Type group message...

Send

6. Real-time Group Chat



7. MongoDB Atlas – Group Messages Collection



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

Private Chat (1-to-1)

Zoro

Type private message...

Send

9. Typing Indicator Showing

Zoro is typing...

Type private message...

Send

10. MongoDB Atlas – Private Messages Collection

The screenshot shows the MongoDB Atlas Data Explorer interface. On the left, the 'Data Explorer' sidebar is visible with a search bar and a list of clusters. The 'lab_test1_chat_app' cluster is selected, and the 'privatemessages' collection is highlighted. The main panel displays the 'Documents' tab for the 'privatemessages' collection. It shows a search bar with a placeholder query and a 'Generate query' button. Below the search bar, there are two document entries. The first document has a 'message' field with the value 'ney', a 'date_sent' field with a timestamp, and an '_id' field. The second document has a '_id' field, 'from_user' and 'to_user' fields with values 'Luffy' and 'Zoro' respectively, a 'message' field with the value 'Hello', a 'date_sent' field with a timestamp, and an '_id' field.

Data Explorer

{ } My Queries

Data Modeling

CLUSTERS (1)

Search clusters

- admin
- comp3123_assignment1
- lab3_restaurant_database
- lab_test1_chat_app
 - groupmessages
 - privatemessages**
 - users
- local
- sample_mflix

privatemessages

Cluster0 > lab_test1_chat_app > privatemessages

Documents 3 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

message : "ney"
date_sent : 2026-02-11T23:30:31.850+00:00
__v : 0

_id: ObjectId('698d1e6c7fef67950a81ac26')
from_user : "Luffy"
to_user : "Zoro"
message : "Hello"
date_sent : 2026-02-12T00:27:24.177+00:00
__v : 0

11. Leave Room Functionality

The screenshot shows a 'Group Chat (Room)' interface. It displays a list of messages from three users: Anudhin, Zoro, and Luffy. Anudhin's message is 'yooo', Zoro's is 'hai', and Luffy's is 'Hello'. Below Luffy's message, there is a text input field with the text 'Left room: sports'. At the bottom of the chat area, there is a text input field with the placeholder text 'Type group message...' and a green 'Send' button.

Group Chat (Room)

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

Chat App

Logged in as: Luffy Monkey (@Luffy)

Logout

13. Git Hub

101516423_lab_test1_chat_app Public

Pin Watch 0

main 1 Branch 0 Tags

Go to file t Add file <> Code

Anudhin COMP3133 Lab Test 1 Chat App f42be8e · 1 minute ago 3 Commits

| | | |
|-------------------|------------------------------|----------------|
| 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 |