COMP3133 Lab Test One
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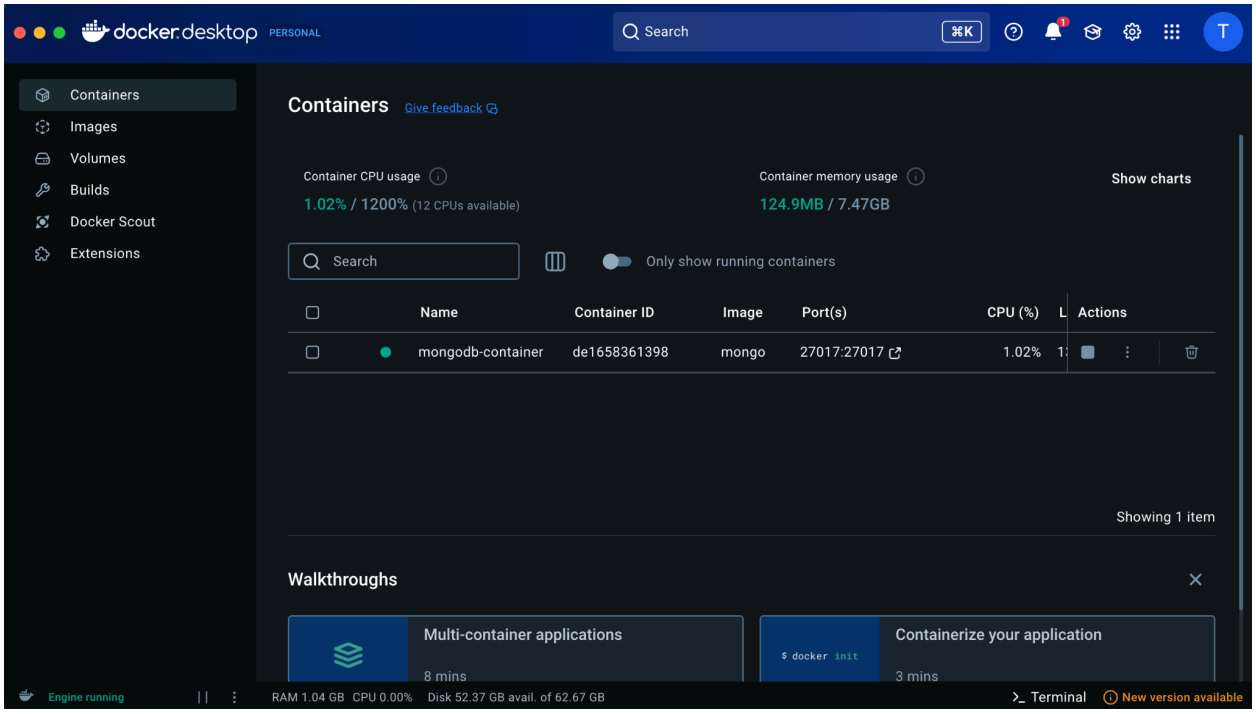
GitHub: https://github.com/tyleroneil72/101434244_lab_test1_chat_app

Note: Instead of HTML, Bootstrap, and jQuery, I used React, Typescript, and Tailwind CSS. All requirements for assignment met.

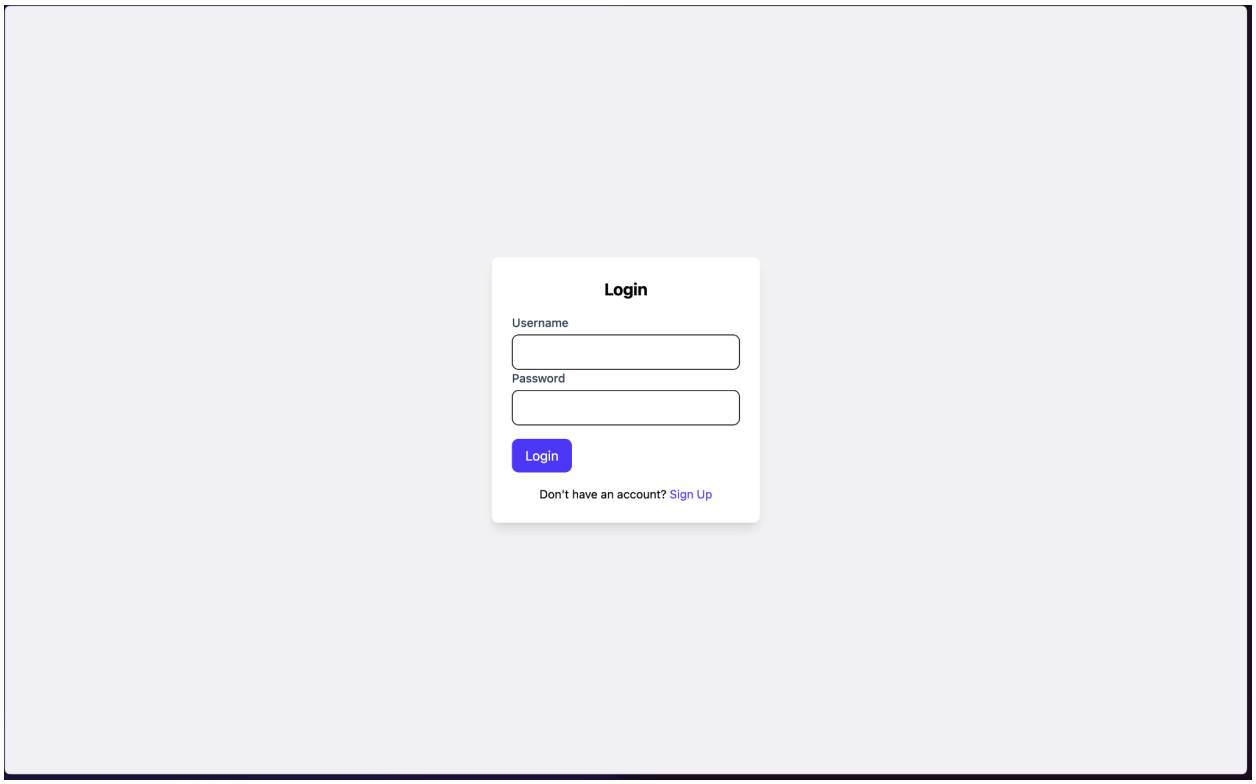
1. GiHub Repo
    a. Git used with useful commit log, proper headings (chore, feature, etc)
2. Working Signup Page
    a. Username must be unique checked from database
3. Working Login/Logout
    a. Using Local Storage for session
4. MongoDB Validation
    a. Proper validation on all schemas, cannot crash
5. Room Join/Leave
    a. You can join and leave rooms by selecting them from the sidebar
6. Typing Indicator
    a. Typing indicator works on 1-1 messaging
7. Chat Functionality with MongoDB Storage
    a. All messages are persisted in Mongo

Package.json, to run locally follow README Instructions

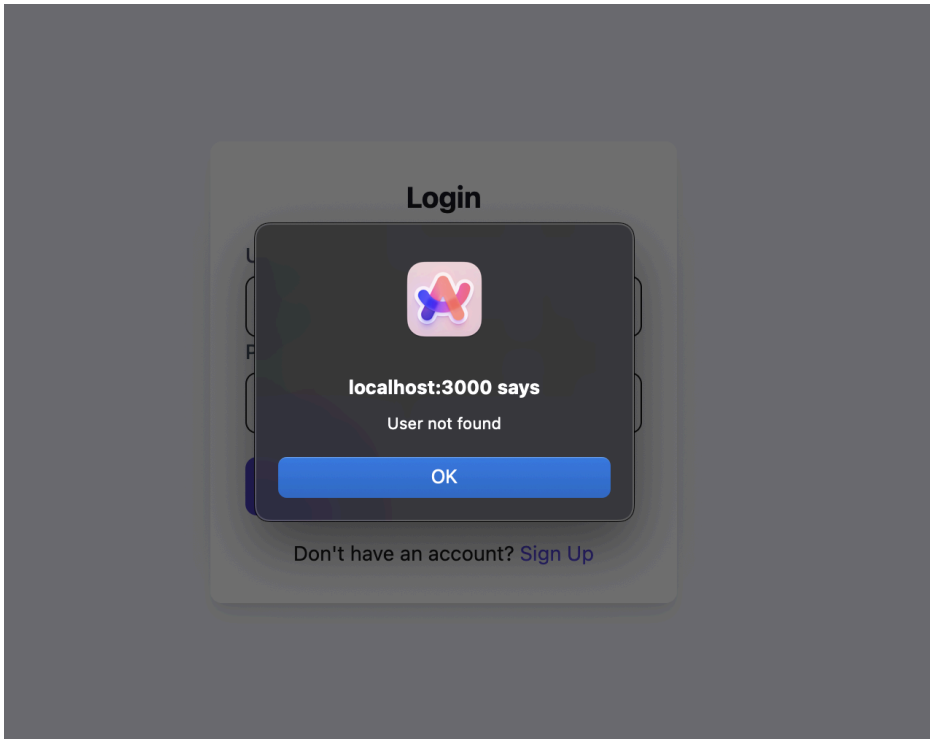
DB Running



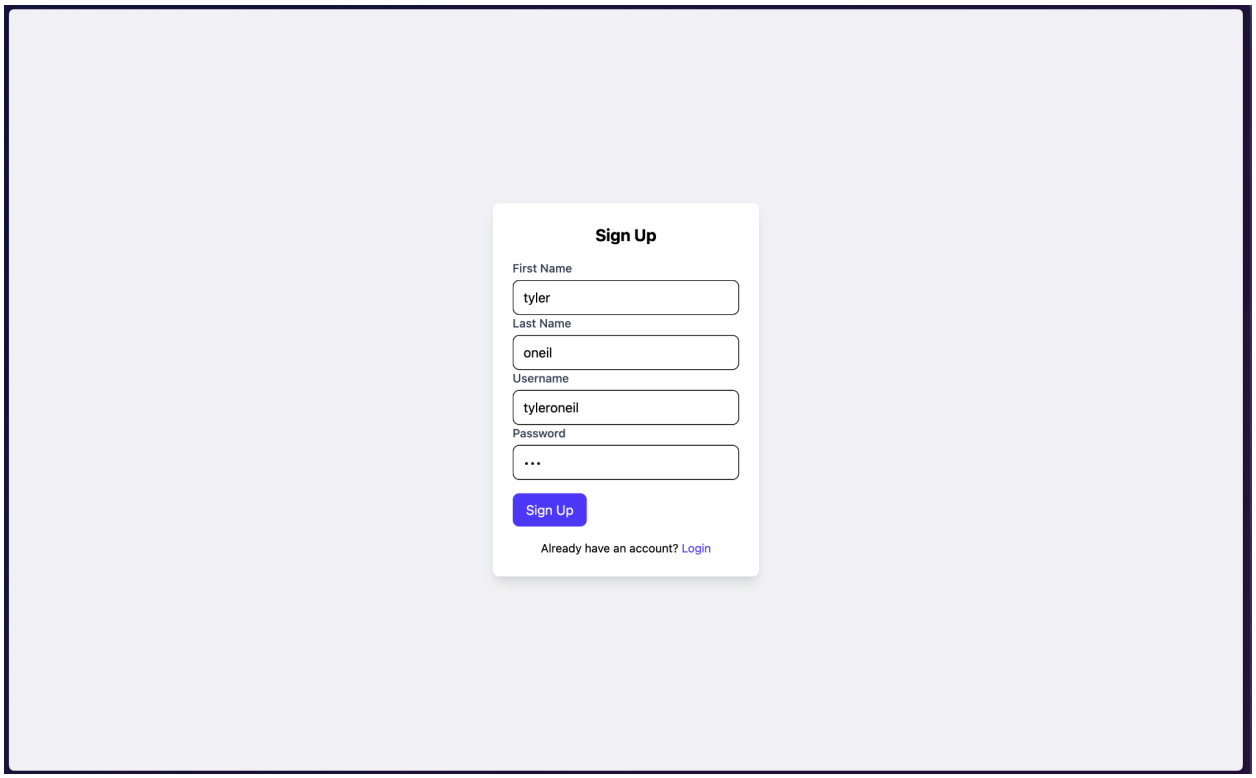
Login Page



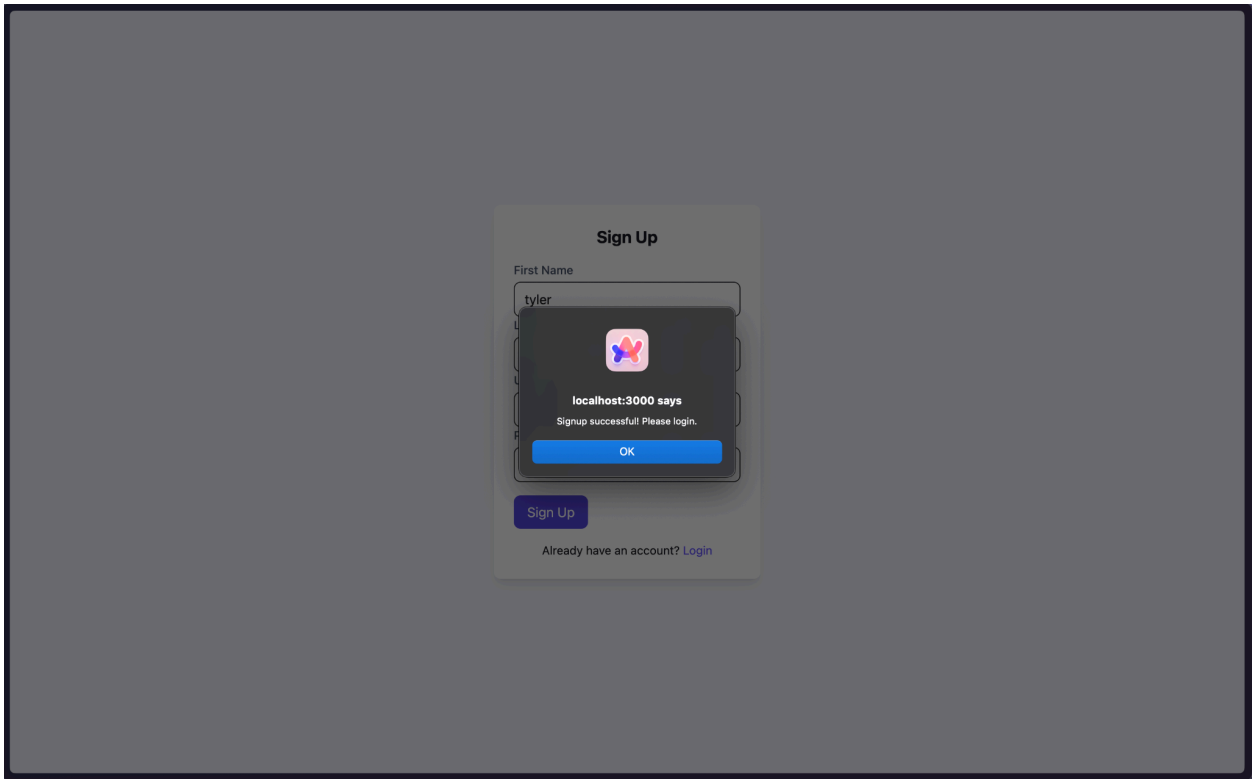
Login Validation



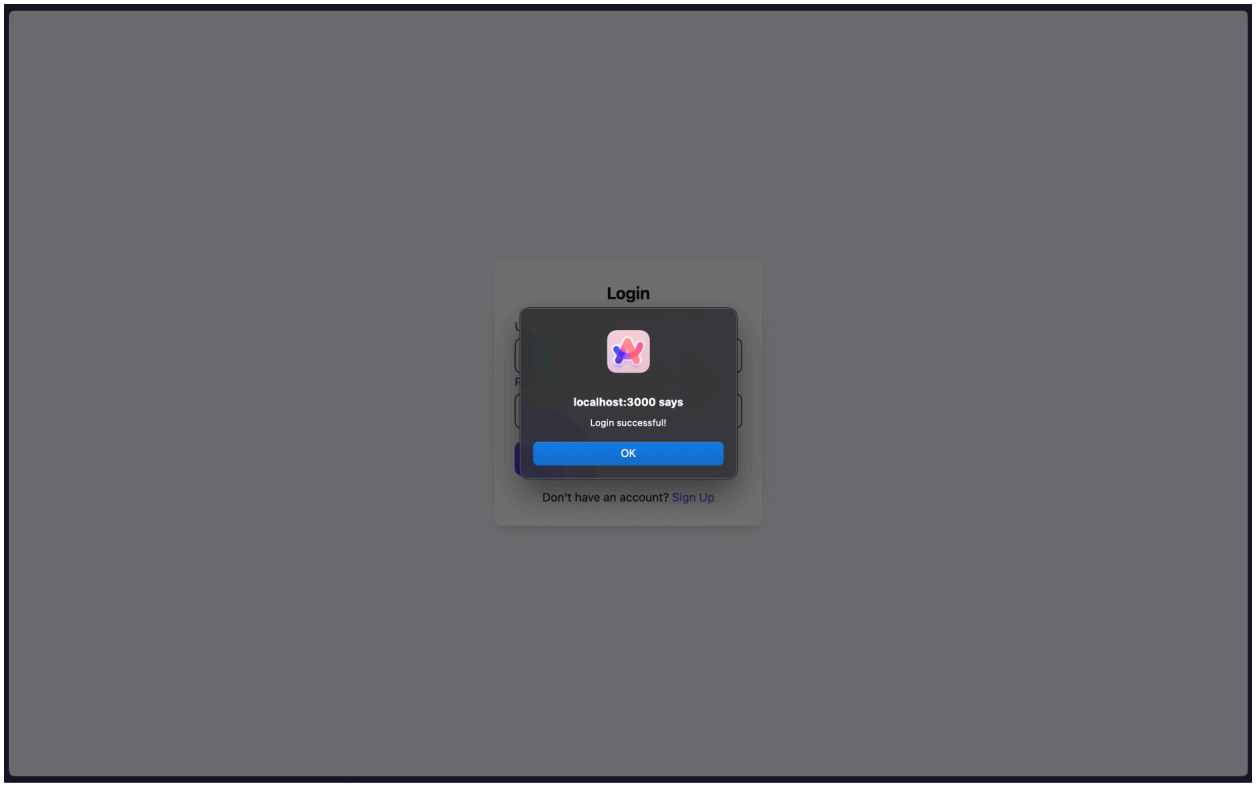
Sign Up Page



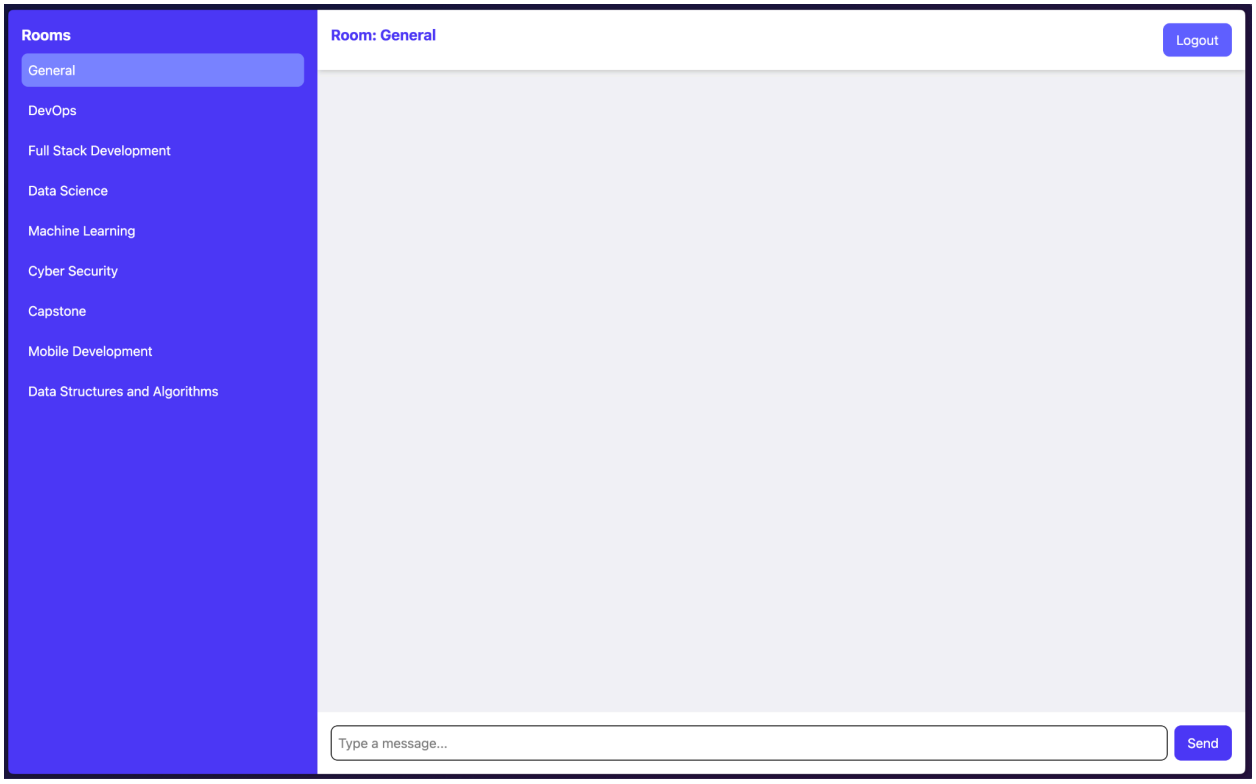
Sign Up Success



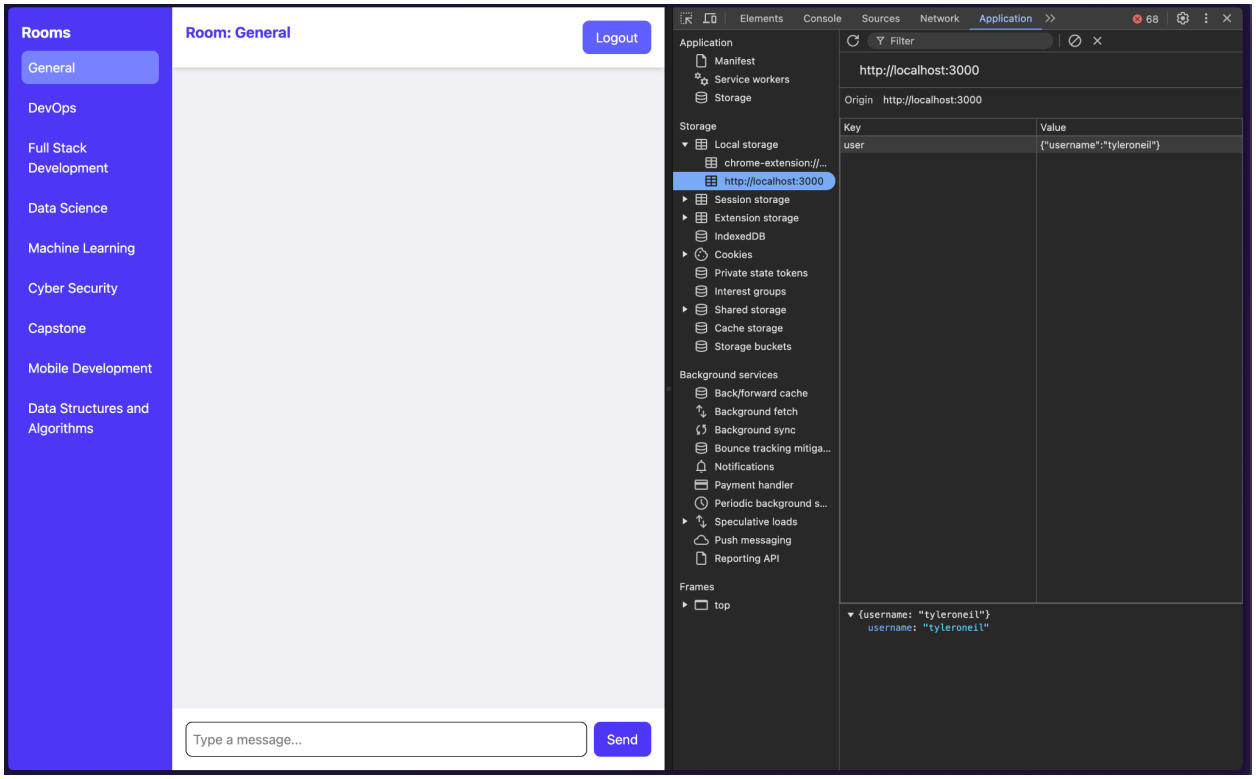
Login Success



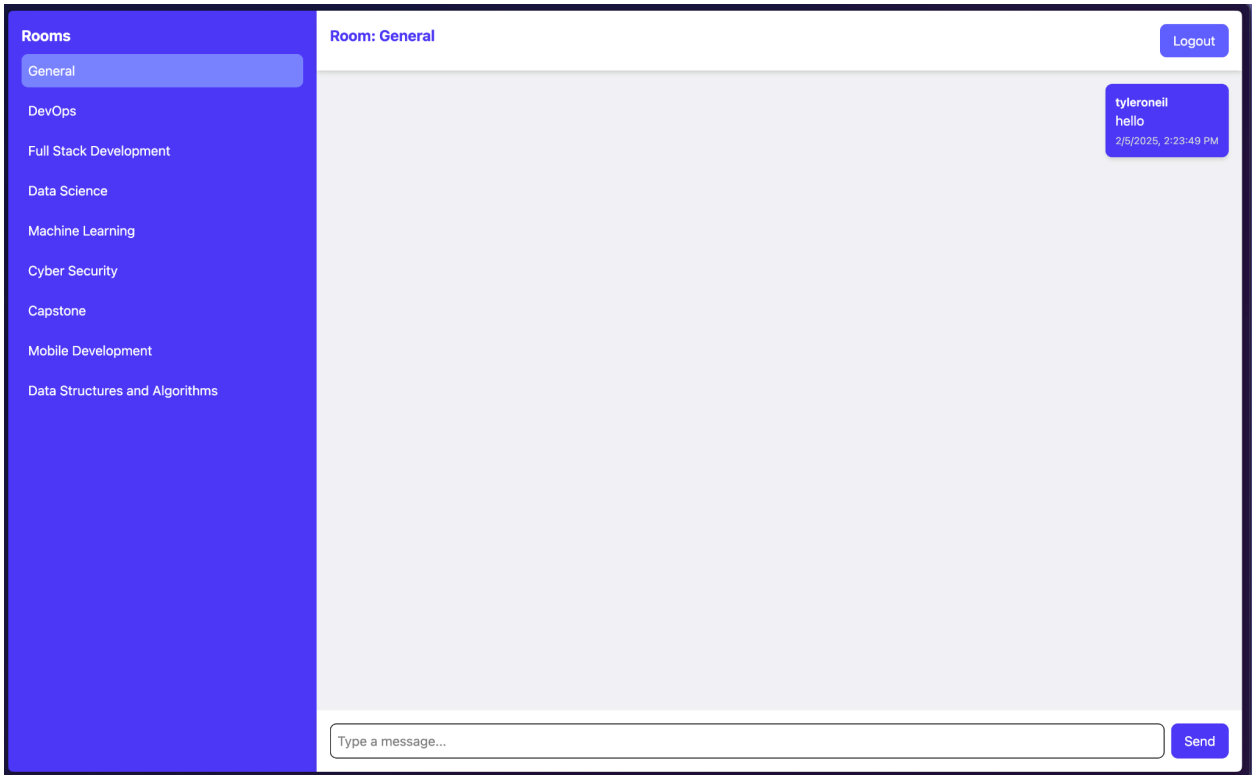
Main ChatRoom Page



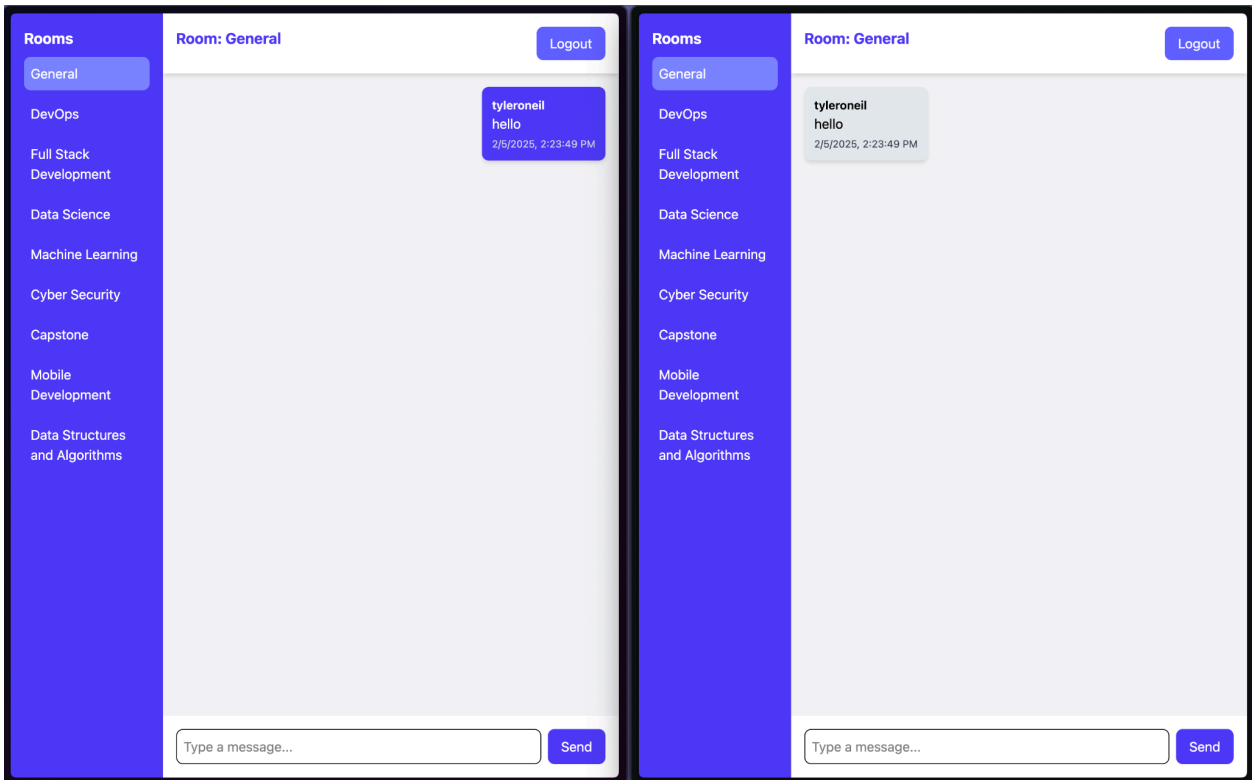
Local Storage User Stored



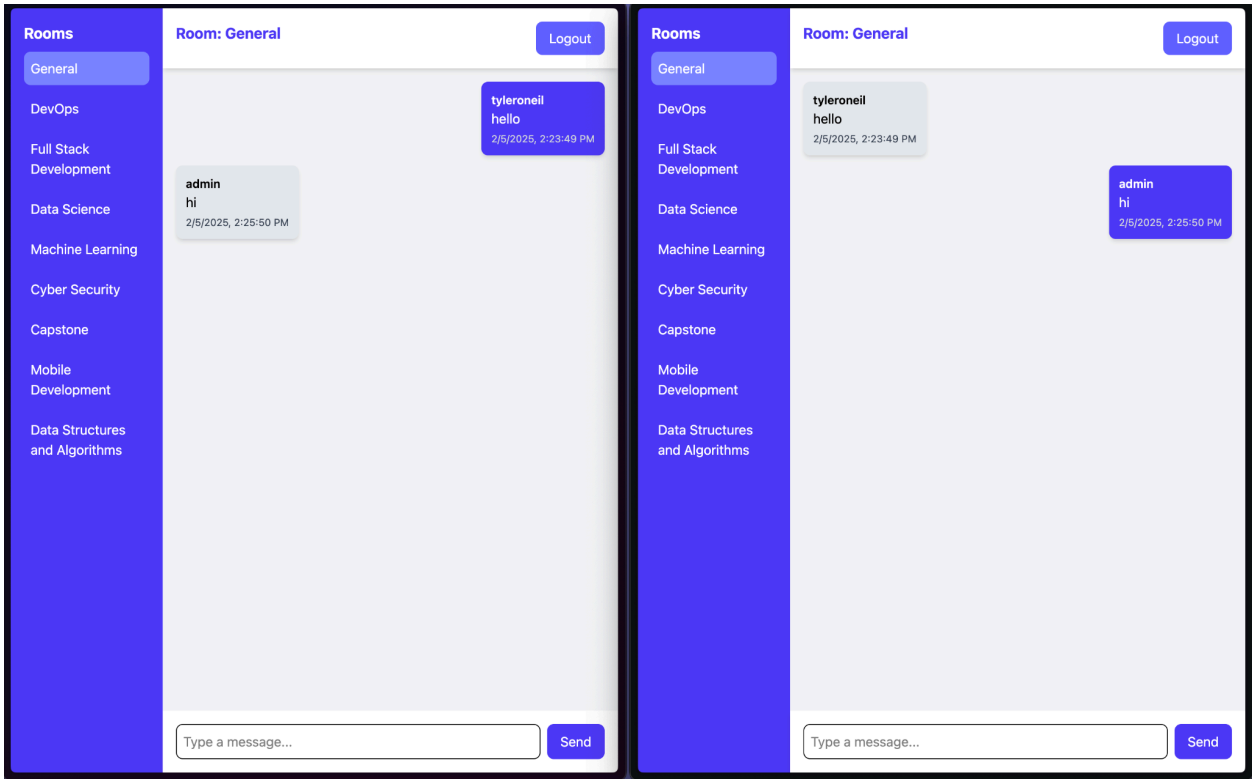
Message Sent



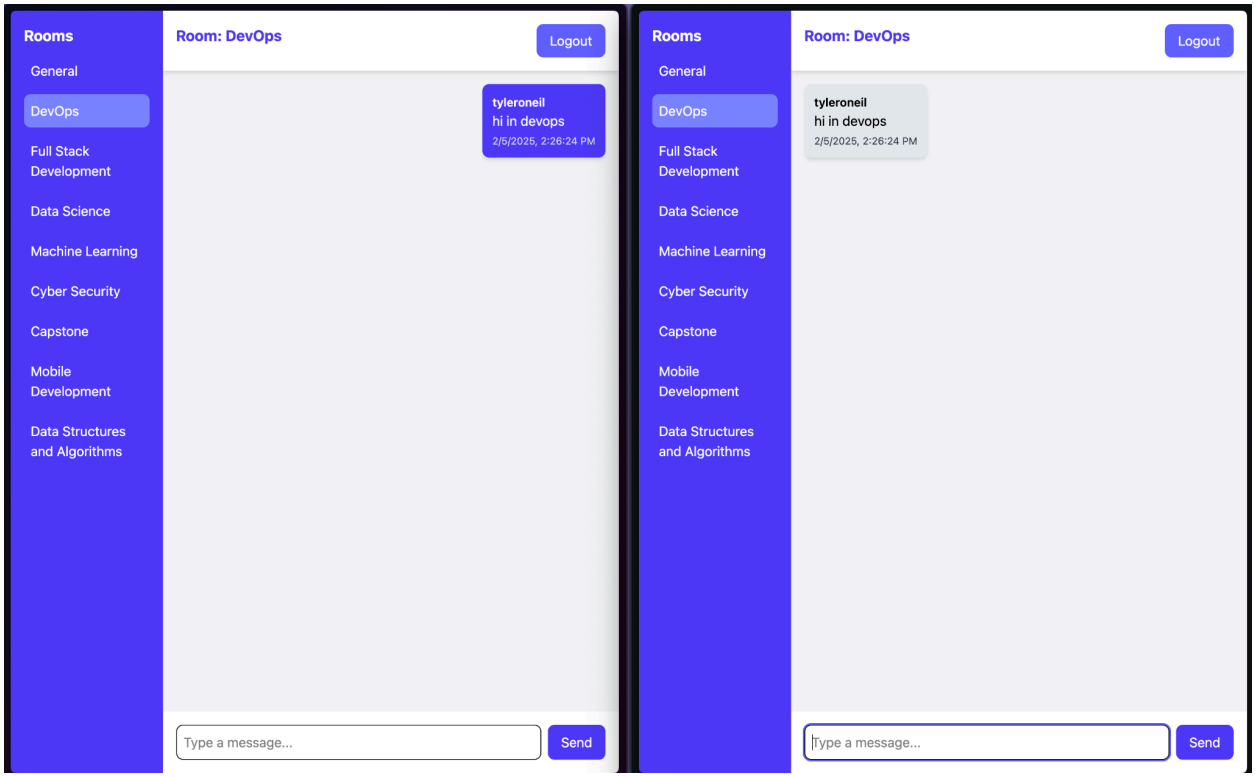
Chat side by side with other browser



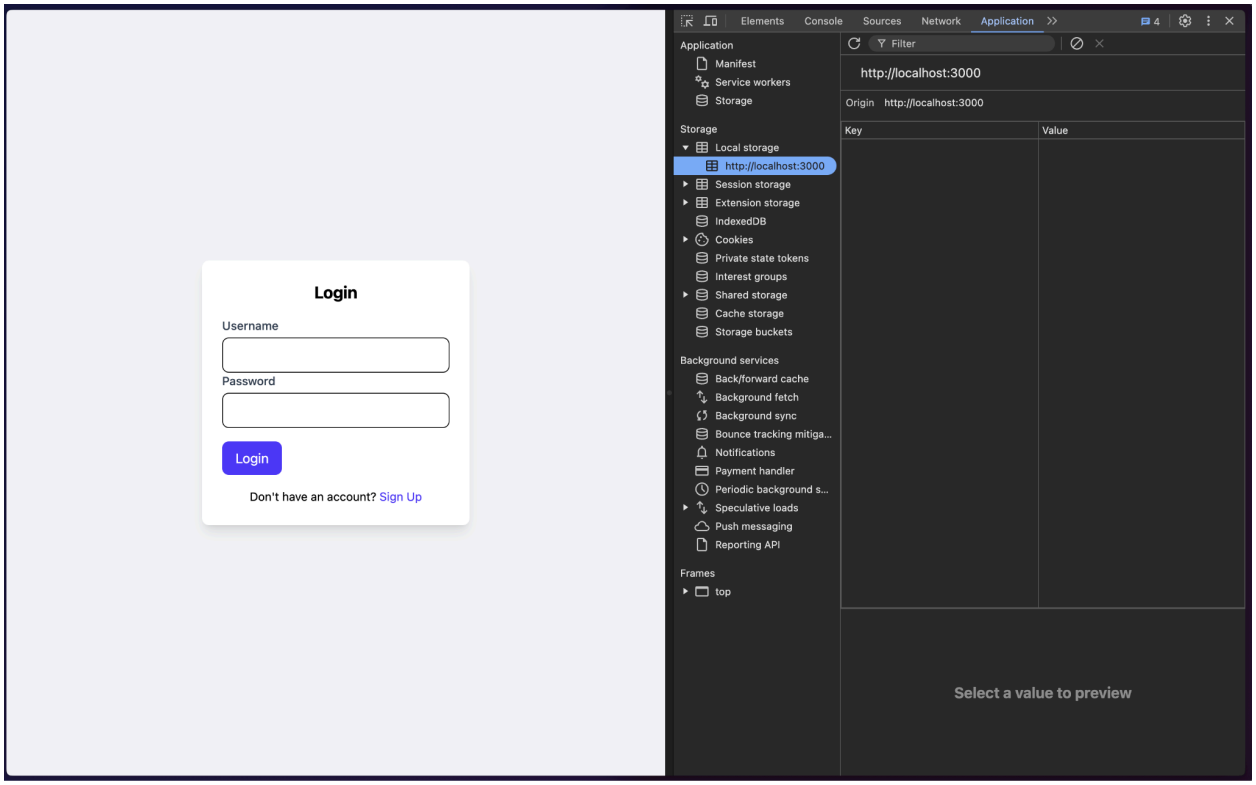
Chat respond to user



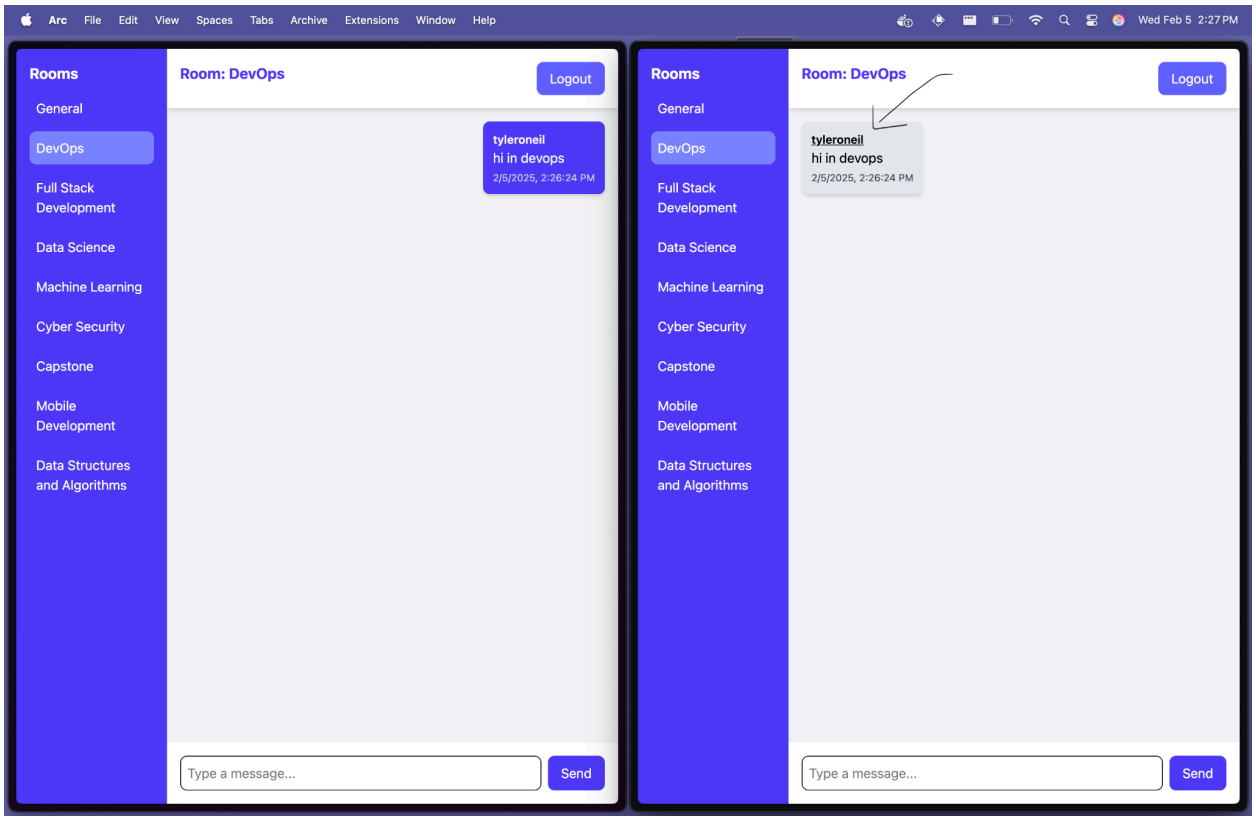
Join Different Room



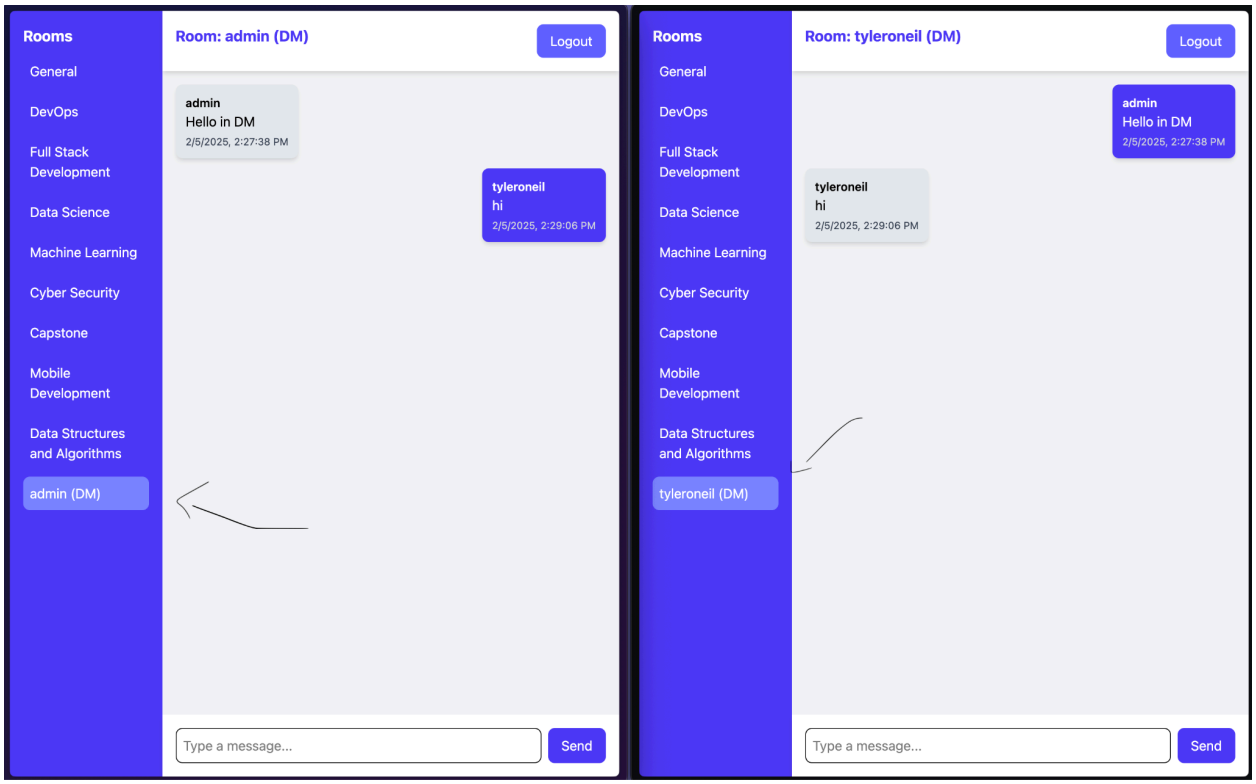
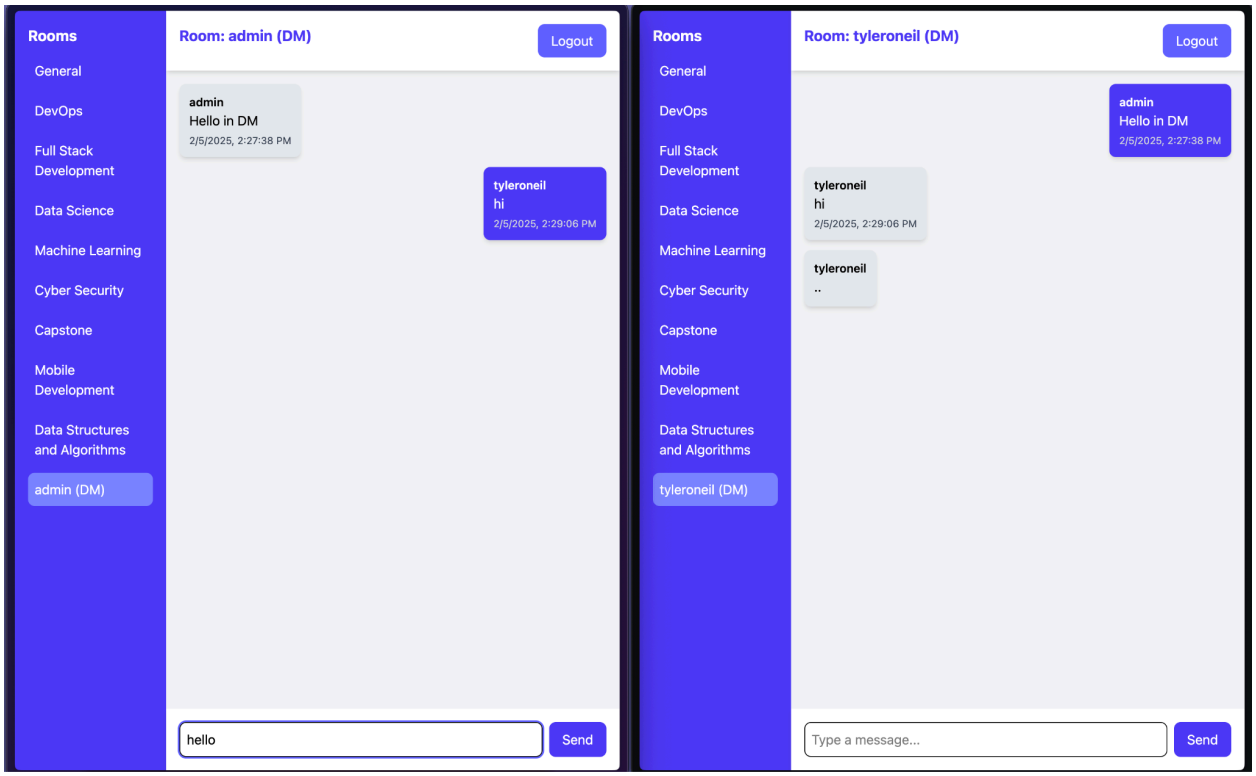
Logging out clears the local storage



DM Feature:
When you hover over user it shows a clickable link under the username (See Arrow)



This creates a new private DM 1 to 1 message between the two users (See arrow)



Inside of these rooms there is a typing indicator that appears, not in public rooms, just dms
It cycles through (. .. …)