

Training Day-5 report

27 June, 2025

Today, I continued development on the **message application**. After establishing the basic message sending and receiving functionality yesterday, the focus shifted to implementing **user sessions and authentication** to support personalized interaction.

Work-Undertaken:

- Integrated **basic session handling** to maintain user identity across requests.
- Added **authentication functionality** to allow users to log in before accessing the chat system.
- Attempted to enhance the message display by including the **sender's name** and **timestamp**.

Challenges Faced:

1. Defining-Route-Logic:

- Faced confusion while setting up multiple routes based on authentication state (e.g., login vs. authenticated dashboard).
- Resolved by restructuring the route definitions using conditional checks and middleware.

2. Frontend-Backend-Sync:

- Backend was modified to send sender information and timestamps.
- However, the frontend scripts were initially not updated to handle this new data format, which caused display issues.
- After identifying the gap, frontend scripts were adjusted accordingly.

Key-Learnings:

- Understood the importance of aligning **backend logic with frontend rendering**, especially when new data structures are introduced.
- Gained experience in handling **session-based authentication** and managing user-specific views and actions.

Conclusion:

The day's focus was on enhancing **functionality over appearance**, ensuring that features like session tracking and user-tagged messages worked correctly. While the interface remains basic, the core systems are becoming more robust. The next steps will likely involve refining the UI and further optimizing message handling.