

## Individual Log Sprint 2 - Implementing DM User Story and documentation

During this sprint, I focused on implementing the backend logic for sending and receiving messages in direct messaging (DMs), ensuring a structured approach to storing messages with both authors, timestamps, and content of messages in the database. Since this logic had not yet been developed for the channels, I spent approximately ten hours designing an architecture that allows for easy message tracking.

I also worked on creating the private DM channel, both in terms of UI and backend. A significant amount of backend development was necessary to allow users to view all DMs they were added to, even if they had not yet sent a message. The challenge here was ensuring that these conversations remained private while still being accessible to the correct users. I modified backend queries to retrieve DMs based on membership rather than message history. Additionally, I implemented a feature allowing users to create a DM with another user. This required handling potential duplicate DM sessions. I also introduced validation checks to avoid duplicate DM entries in the database. As for UI, I designed the DM UI to align with the channel UI for a seamless experience for the user.

Aside from development tasks, I also enhanced the README file to make it a clear and concise representation of the project. Moreover, I was responsible for documentation, including taking down minutes during meetings and organizing the sprint planning. I created tasks and added them to the correct User Stories.

Task	#33	#55	#56	#57	#58	#59
Time (min)	20	180	50	120	120	300