

SOEN 341 Software Process

Team Project, Winter 2025

Project Title:

ChatHaven, a seamless communication application

1. User Authentication & Management:

- Implement User's login (with roles). *Already completed in Sprint 1.*
- Functionality for Admin to create ~~teams~~ channels and assign users to specific channels. Ensure channels are visible to both admins and normal users. *Already completed in Sprint 1.*

Sprint 2 (At least 2 of 4 features from the list below).

2. Text Channels for Group Communication:

- Implement functionality to send messages visible to all users in a channel.
- Enable Admins to moderate messages (delete inappropriate ones)

3. Direct Messaging (DM):

- Enable users to message each other.
- Ensure conversations are private and only visible to participants.

For Sprint 3, you work on the following features and must implement at least the **Text Channels enhancements**, and 4. User presence & status.

Text Channels enhancements

- There would be a set of default channels generated by the administrator, (e.g., all-general) where everybody registered can participate, and private channels that the users will create. When users create a private channel, they can invite registered people on the platform to join the channel.
- Users can leave channels or request the creator to join.

4. User presence & Status

- On the dashboard, there will be a list of registered users.
- Online, offline, away indicators
- Last seen timestamp
- Users can send direct messages to users, even if they are not logged in

5. Message Enhancements

- Emoji support.
- Quoting

6. Your unique team features

You need to propose and implement, by Sprint 4 at the latest, unique features to set your team apart from the rest. These features must have been accepted by the TA responsible for your team.

Here are some examples, but these are only suggestions, and this is not an exhaustive list.

- Implement a chatbot in your system (e.g., Welcome Bot, Translation Bot)
- Threads to keep related messages organized in conversations
- File sharing and Multimedia with file previews for supported formats.
- Mentions & Notifications: notify users with @username or @all

Sprint 3 delivery instructions.

1. Plan for this sprint the same way that you did for Sprint 1.
2. Write the user stories of this sprint features (as issues in GitHub), decompose them into tasks, and assign them to team members.
3. Label your proposed new features (enhancements) as team user stories and write their acceptance tests.
4. Write 2 acceptance tests (in Github as issues) for the user stories identified in the first sprint. Remember to label them as “acceptance test” (AT) and link them to a user story->task.
5. Develop and implement each feature.
6. Create unit tests for each of the features of sprint 1-2 and ensure that they run automatically on your continuous integration pipeline. Unit tests for sprint 3 will be required in sprint 4.
7. Upload the meetings’ minutes
8. Each team member must commit a detailed log of their contribution, including time spent on each activity on their repository.

A detailed grading rubric can be accessed [here](#). The markers will use this.