

# Husky Overflow

Group 301: Kirtana Krishnan, Jiaxizi Ling, Anisha Singh, D'Lani Sweeney

## Feature Overview

Husky Overflow is social platform where users can share questions and discuss answers within structured communities. Users can also interact with other users by following them, through messaging, or through their profiles. If they have general questions they want immediate answers to, they can ask the Husky AI chatbot.

Registered users can join both public and private communities, pose questions, provide answers, and engage with others through voting mechanisms. Users can provide feedback through a upvote/downvote point system and gain points. If a user has enough points, they can request to become a moderator of their community.

The platform also includes a range of accessibility features. Users can modify font settings, switch between color modes as support for color-blind vision, navigate via keyboard commands, and use screen readers.

## Website and Source Code

Website: <https://cs4530-s25-301.onrender.com/>

Source Code: <https://github.com/neu-cs4530/spring25-team-project-spring25-project-group-301>

## Technology Stack & Design

We built Husky Overflow using Node.js/Express.js for the backend, MongoDB for the database, and React/TypeScript for our interface. The application uses socket.io for real-time features like chat and requests for a responsive and dynamic website. We use Github Action Workflows for automated testing and also to maintain integrity during merges.

Our new implementation primarily revolves around our community design. Communities are designed to hold their own posts, members, moderators. They can be private or public, and users are at varying point levels within communities.

## Future Work

As a possible extension of our current website implementation, it would be beneficial to implement discussion threads to our site, where people can reply to other people's replies.

Another new feature could be to build a recommendations page, where a model can be trained based on your profile's tags and display posts you'd likely be interested in. We would also like to add more features to our chatbot given a higher pricing tier, such as file upload, displaying code blocks, and supporting telemetry metrics.

In terms of accessibility, we could offer an onboarding page for newly signed up users to configure the accessibility settings according to their needs.

