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**GROUP 606**

## Our Features

### Community Notes:

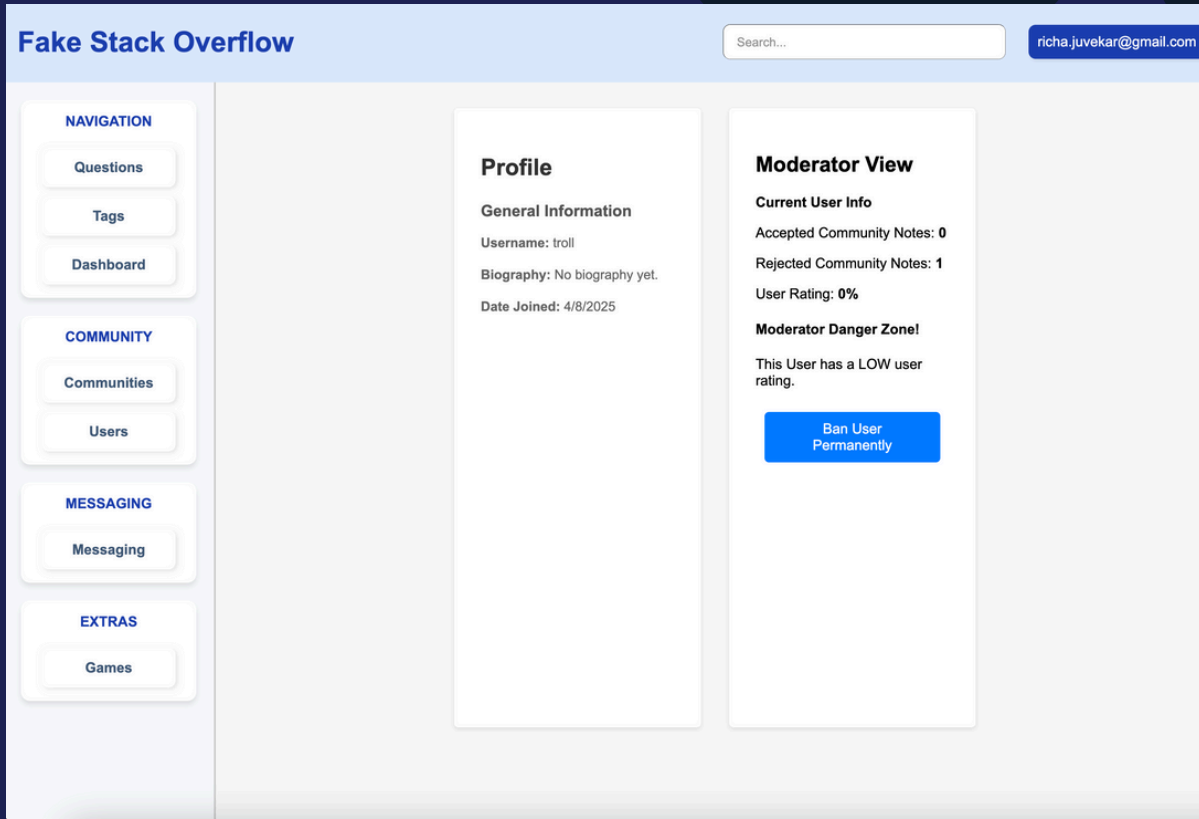
**Community notes are additions to answers posted to questions that provide corrections for misinformation.** For every posted question, there is a submission form for users to submit a community note, as well as optimal sources, to explain why the answer needs a correction. Community notes are approved or denied by moderators, and once passing the approval process, will be displayed alongside the corresponding answer. Users can vote one whether a posted community note is helpful, ensuring that posted notes remain up-to-date.

### Moderators:

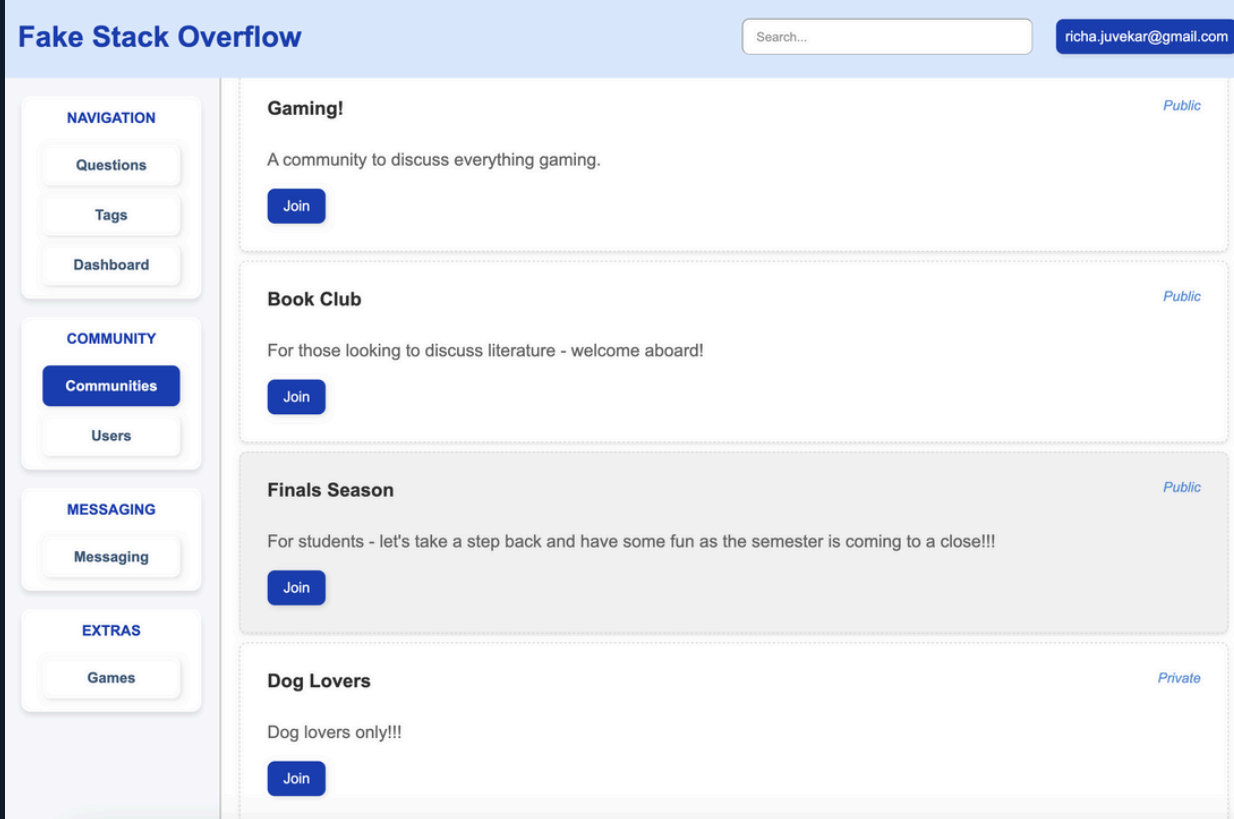
**Moderators are a role that users can have, giving them capabilities that change how they interact with the site.** They have a dashboard of any pending community notes they are able to vote to approve or deny certain notes. When viewing other profiles, they have the option to promote or demote other users from their current statuses, and can see a “User Rating” (total accepted community notes for the user / total community notes submitted for the user) to make their decision.

### Communities:

**Communities are a new page on the site where users can join communities for specific topics and interact with other users.** When creating a community, a user can set certain options for a community, including if it is public or private. If private, users will need to input a password upon entry. Once a user joins a community, they can interact with polls, join/create group chats, and view a community specific Nim game leaderboard. Creators of communities can ban users and toggle password visibility for other users, enhancing safety.



Moderator view of a user profile.



The all communities page.

# CS 4530 Project Poster: Degree Defender

## Tech Stack + Design

### Tech Highlights

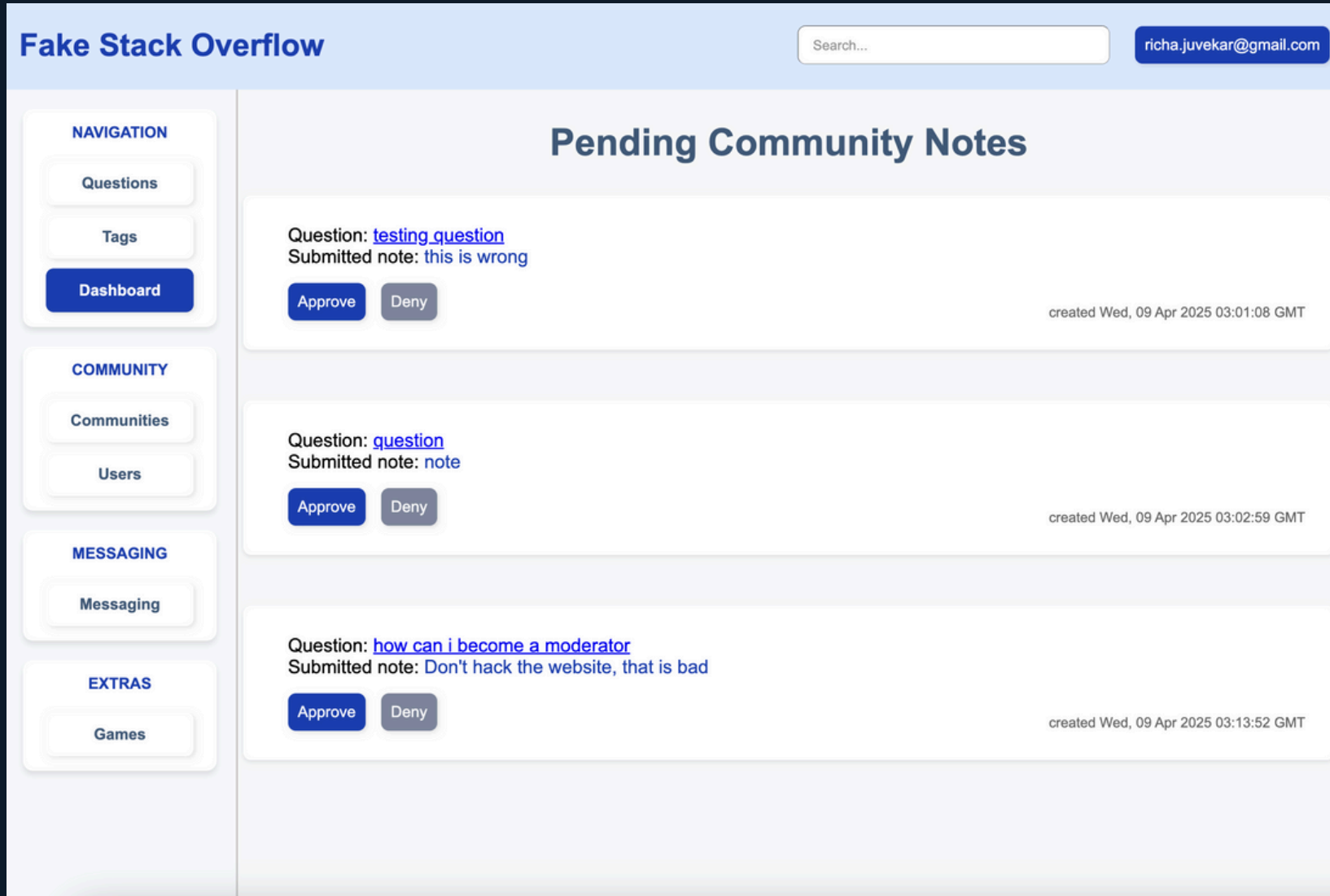
Degree Defender is built on the existing Stack Overflow database, enhancing it with new community and moderation features:

- **Backend:** Node.js with Express
- **Database:** MongoDB with Mongoose
- **Frontend:** React with useState, useEffect, and Axios

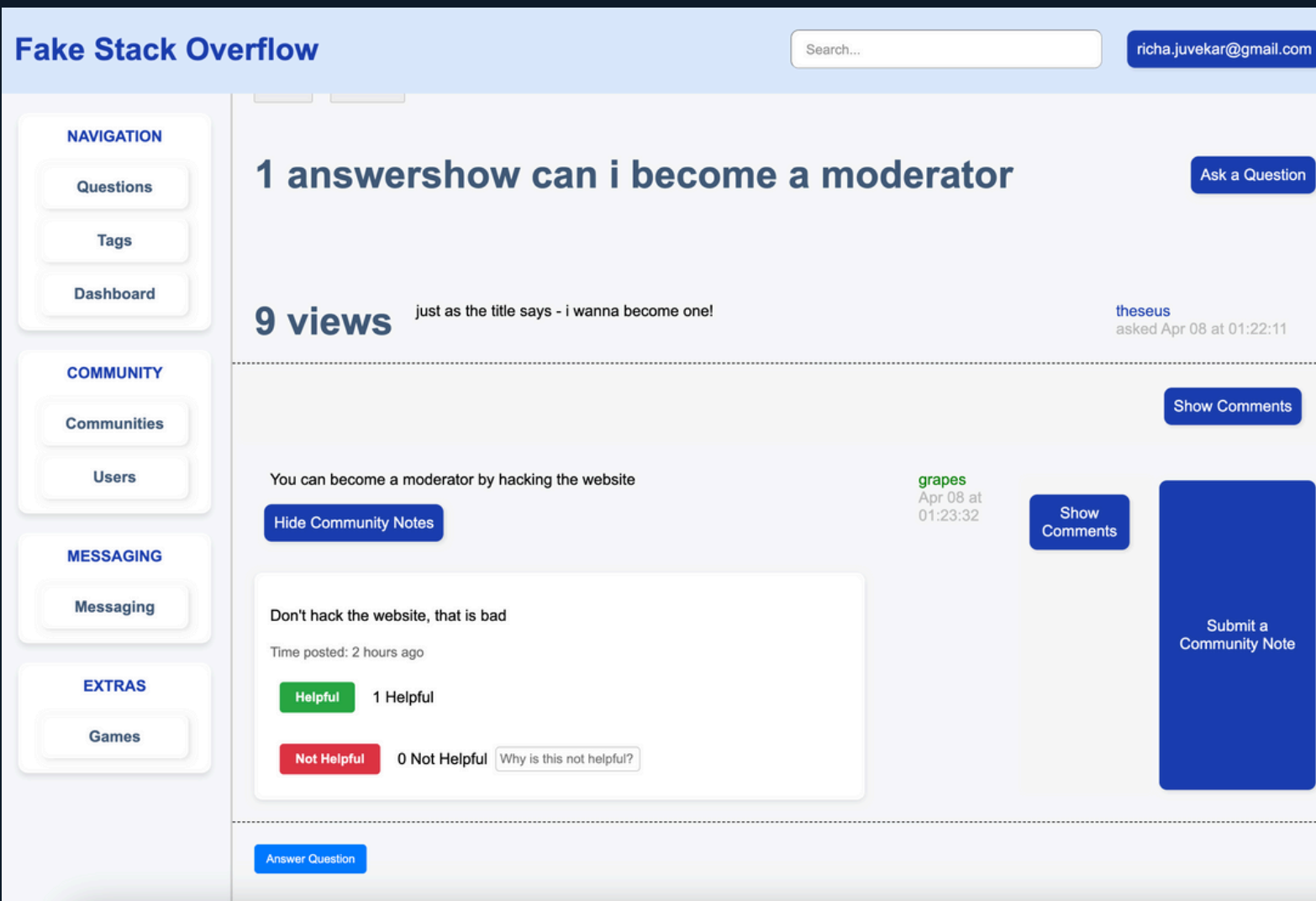
Through implementing new features, we had to build many from scratch (ex: communities and community notes). We also made UI changes, using a blue color palette and clean/intuitive design.

### Design Highlights

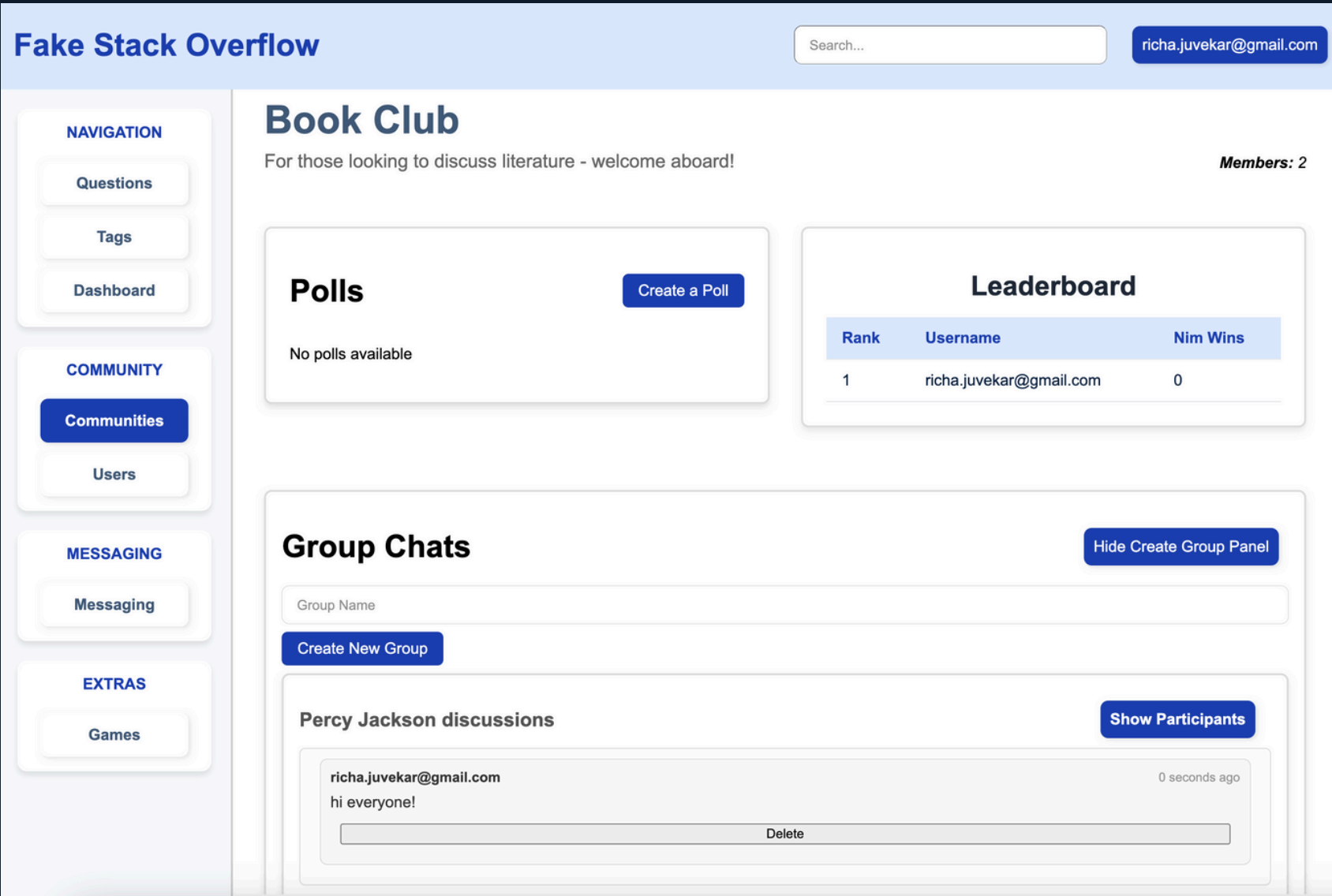
Our most prominent and regular design decision was in defining what information was relevant for each feature. This proved to be an iterative process, as we often had to reconsider our previous feature designs to account for new features. Some other design decisions we encountered included UI choices and deciding the placement of features that would be connected with features already implemented (ex: figuring out where to put community notes, as they are built off of the question and answer feature).



Moderator view of pending approval community notes dashboard.



An example of an approved community note for a post.



An example of a community.

## Future Work

### Accessibility Improvements

- Dark/light mode toggle
- Font size adjustments
- Keyboard accessibility for interactive elements

### Game Expansion

- Add more games beyond the current Nim game
- Create community-specific game versions
- Implement tournament functionality within communities

### Community Enhancement

- Develop cross-community leaderboards
- Rank communities based on member game wins
- Foster inter-community interaction and competition

We believe these areas can be explored further to enhance the site. Specifically, they can contribute to our goal of encouraging community throughout Degree Defender!

CLICK [HERE](#) FOR DEMO LINK  
CLICK [HERE](#) TO VIEW SOURCE CODE