

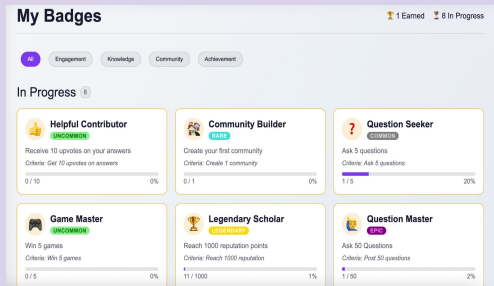
# CS4530 Final Project: “Smart Social”

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## Our Feature: Smart Social

The original FakeStackOverflow was a very simplified version of StackOverflow, where users can post coding related questions and get answers with solutions. We realized that while users could interact with each other through questions and answers, they could not connect with other users in any greater capacity.

That’s why we created **Smart Social**: an interactive, user relationship based app complete with a friendship system, a point-based leaderboard system, and a level-based badge system. This promotes social connection between users and engagement throughout the app as a whole.

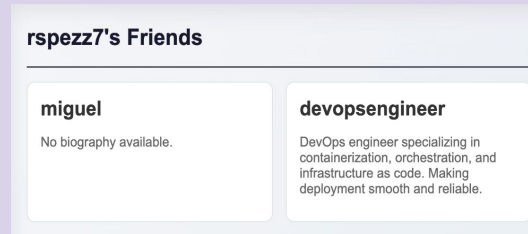


The “Badges Page” that displays a user’s achievements.

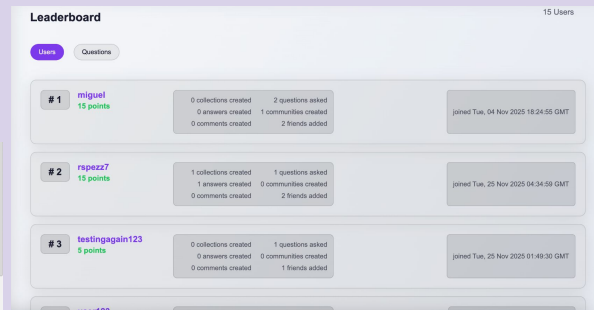
## Demo and Source

[Demo Site](#)

[GitHub Repository](#)



The “Friends Page” that displays all of a user’s friends.



The Leaderboard that displays a ranking of users by points and most popular questions.

## Technology Stack and Design

We used the social features in the existing FakeStackOverflow app, while implementing additional features centered around friends and interaction with other users. Users can now friend other users, which means they can see their questions specifically on the questions page and tag them in questions and comments. They can also block users to not see their content on the app or allow their profile to be seen, and toggle between light and dark mode. Users can also view a leaderboard, where they can gain points by completing different interactive tasks throughout the app and get ranked against other users, and see the most popular questions. Users can also earn individual badges for completing different achievements throughout the app, displayed on the “My Badges” page where they can also see badges they are working towards. They can pin their choice of badges to their profile to display to other users. We also added GitHub OAuth authentication for a secure login, and a game of battleship for users to play against one another.

## Future Work

In the future, we hope to implement even more features as seen on social media apps to interact with other users and encourage app usage, such as video chatting with friends, a notification center for users, and pair programming in direct messages between friends. Video chatting would allow users to talk face-to-face through Smart Social and talk about questions and answers posted on the app. A notification center for users would be a hub for users to view all their notifications throughout the app, including a notification if a friend mentioned them, messaged them, called them, or even if they moved up on the leaderboard or earned a new badge. Pair programming in direct messages would provide an easier way for friends to work on code together and even help provide answers to questions and explanations.