

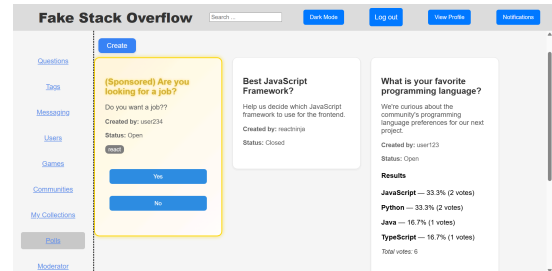
# CS4530 Final Project: “Polls and Moderator Dashboard”

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Demo and Source: Our demo site is available at <https://fall25-project-fall25-project-group-704-7yn6.onrender.com/> and our code at <https://github.com/neu-cs4530/fall25-project-fall25-project-group-704>.

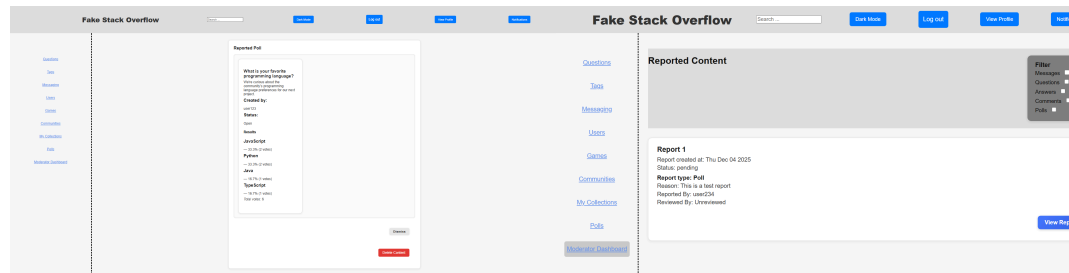
### Our Feature: Polls

We aimed to design and implement a polling feature in FakeStackOverflow. With this feature, users would be able to create custom polls with custom options, expiration dates, and tags. Polls would be displayed in their own tab and can be voted on by any user. Results from these polls would be updated in real time, showing vote counts and percentages for each option. Additionally, users with the “Recruiter” role are able to make sponsored polls to gather information about potential candidates. This feature empowers users to gather quick feedback, make decisions, and interact with the community at large. This makes FakeStackOverflow more collaborative and fun for the users!



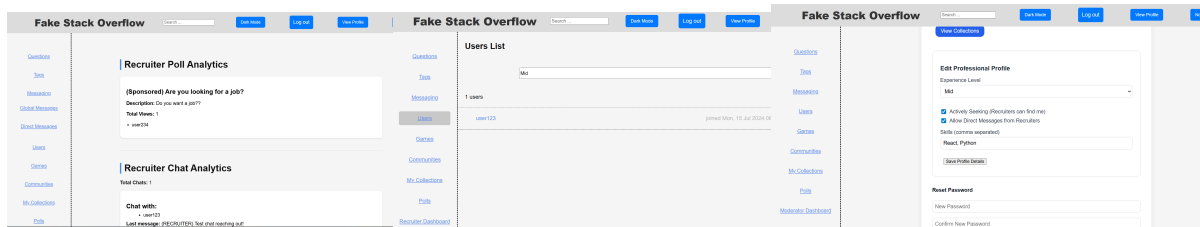
### Our Feature: Moderator Dashboard

We implemented a reporting system that users can use to report posts they believe to be harmful. These reports are accessible by users with the “Moderator” role in a new “Moderator Dashboard” page. In this page, Moderators can dismiss (delete) unfounded reports or delete harmful content. This feature ensures that FakeStackOverflow and its community can participate in discussions safely and without harassment or offense. This helps create a positive community environment on FakeStackOverflow.



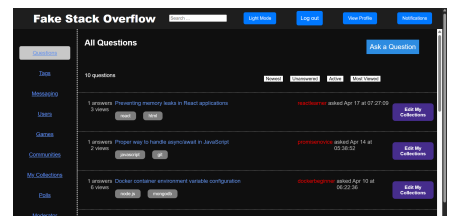
### Our Feature: Recruiter Features

We implemented a “Recruiter” role that has access to a specialized recruiter dashboard where they can see analytics relating to their posts/messages, the ability to create sponsored polls, and the ability to filter users by their experience and skills. Additionally, users can set preferences regarding recruiter access to their information and ability to direct message. This feature allows for recruiters and candidates looking for work to connect effectively.



### Our Feature: Dark Mode

We implemented a toggleable dark mode! This feature ensures all users can comfortably access FakeStackOverflow.



### Our Technology and Stack Design:

We implemented all of these features within the existing FakeStackOverflow codebase. We defined types, MongoDB schemas, service functions, controller, and frontend visualizations for each feature. See our final report for a more in depth dive into our design. Additionally, we used sockets to push real-time updates to users and added fields to existing types/schemas in order to track and save updated preferences. Our CI pipeline runs automated backend and frontend tests using Jest and Cypress respectively and then deploys the site using Render.

### Future Work:

In the future, we want to more fully flesh out the recruiter features. We want to include more useful analytics and metrics for recruiters to track in the recruiter dashboard such as the number of candidates viewed/reached out to, location filtering, graphical representations of these metrics, a way to save/favorite candidates, and provide a way for users to upload resumes, portfolios, or references to their profiles for recruiters to view. Additionally, we want to more fully flesh out the moderator dashboard by allowing moderators to ban/suspend users. Additionally, we want to implement better notifications moderators receiving reports, users whose content was reported, and users who received moderator feedback about their content.