

SafeStackOverflow



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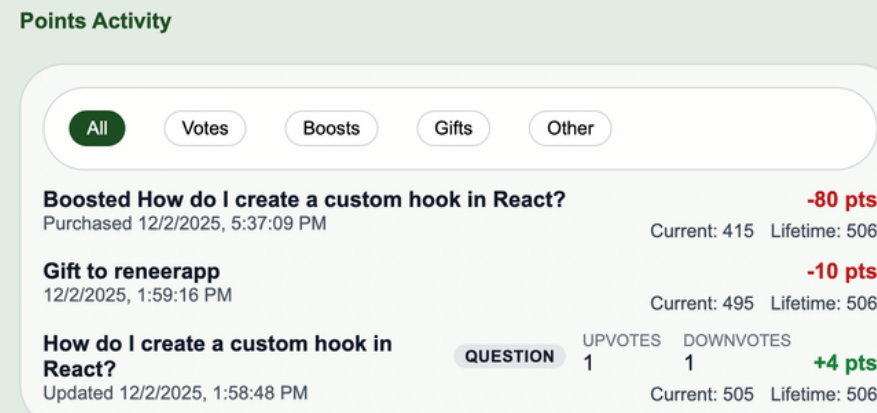
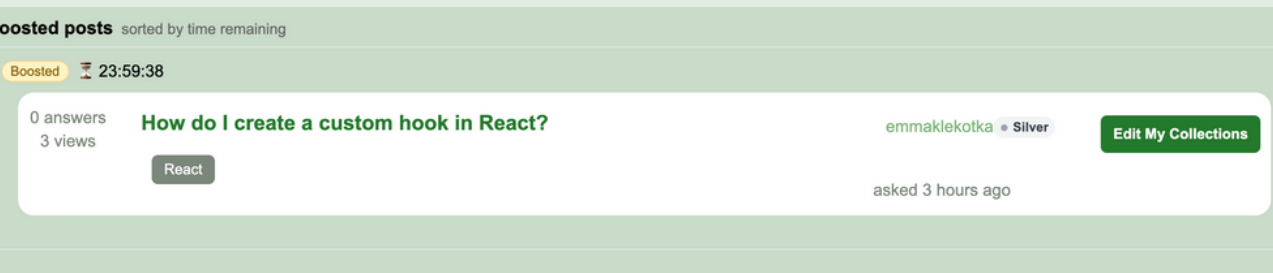
Feature Overview

FakeStackOverflow values safety, accessibility, and recognizing our most dedicated members. Therefore, the three main features implemented in this extended application are a **gamified points system, accessibility preferences for disabled users, and AI-assisted content moderation**

Point-Based Incentivization

Tier: ● Bronze (Bronze — 10% boost discount) 350 more points to reach Silver tier. Reward: Increased discount.	Tier: ● Silver (Silver — 20% boost discount) 1499 more points to reach Gold tier. Reward: Increased discount.
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Tiers increase after reciving a certain amount of points



Users can spend points (between 70–100) to add their posts to a separate “boosted” section

users gain/lose points for each up/downvote

Content Moderation

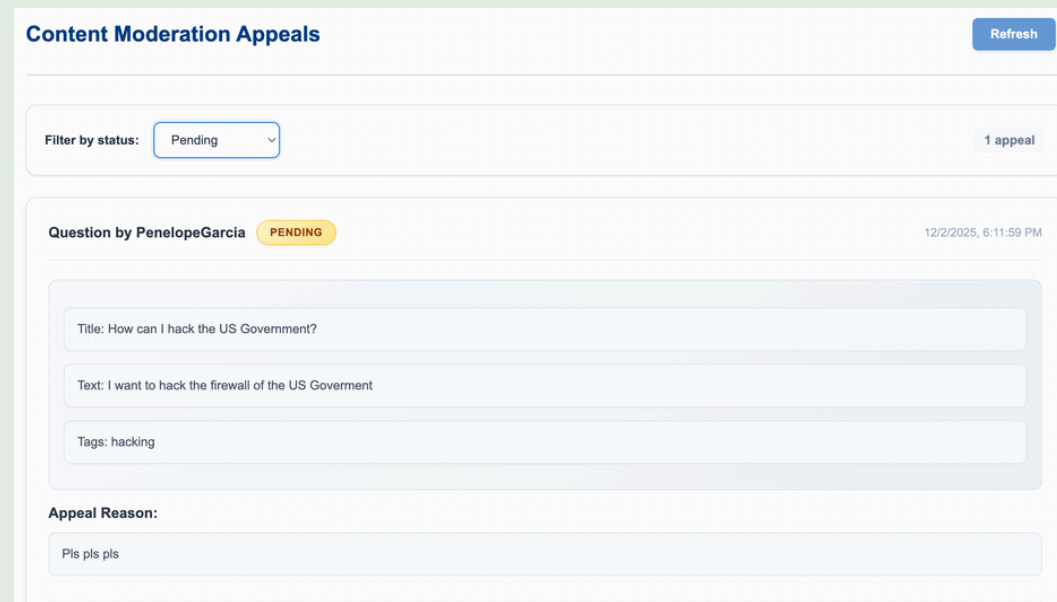
Prohibited Question

Your question has been flagged as prohibited, so it cannot be posted. Reason: The question promotes illegal activities, contains inappropriate content, and lacks a genuine attempt to ask a meaningful question related to software engineering or programming.

Don't agree with this decision? You can submit an appeal with your reasoning below:

Explain why you believe this content should be allowed (minimum 10 characters)...

Submit Appeal Close



Community creators are designated as moderators. Moderators can accept or deny appeals to rejected posts.

Content is checked before posting and blocked if it is irrelavent/inappropriate

Tech Stack



We built SafeStackOverflow 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 such as question creation. Groq API was used to implement AI-driven content moderation, receiving the user input and checking for inappropriate material with a specified limitation. Github and Google OAuth APIs were implemented to enhance SSO functionality.

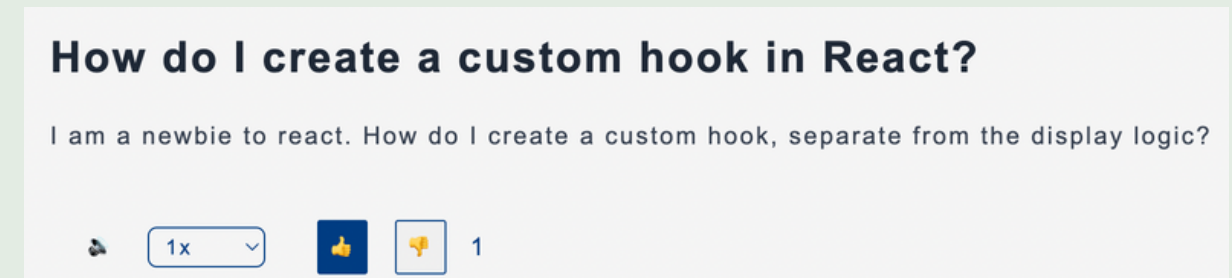
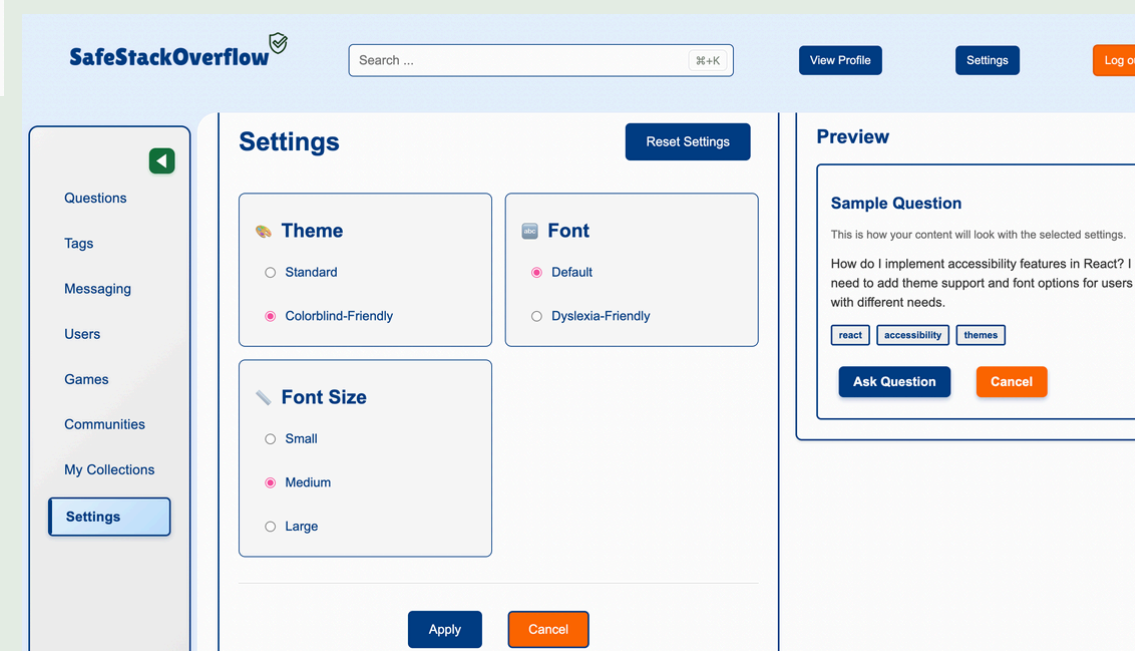
We use Github Action Workflows for automated testing and also to maintain integrity during merges. Our new implementation primarily revolves around the user schema. Users now store information about settings preferences, user role (member vs admin), and reputation points. Communities have also been update to store moderators and banned users. Additional points ledger and AI message objects were also created to maintain records continually changing states

Future Directions

Due to a limited time frame, we did not have the opportunity to implement our fourth user story, centered around answer automation. In the future, users may be given the option to recieve an AI-generated response to their questions. Additionally, users with more than 10 posts rejected by the AI could be automatically banned from posting to ensure safety.

Accessibility

Colorblind-friendly themes
Small, medium, large font sizes
normal and dsylexia-friendly fonts



All questions/answers have a text-to-speech option to read out responses