## CS4530 Final Project: "ChristmasStackOverflow"

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Explore the live demo: https://spring25-team-project-group-608-1.onrender.com

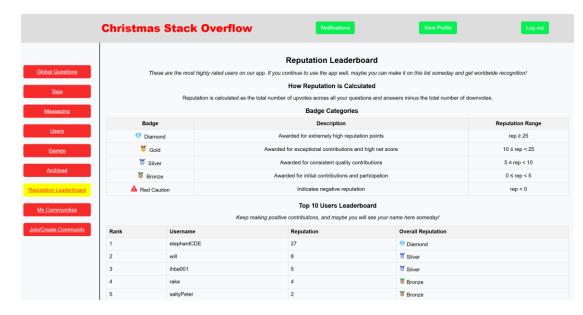
link to source repo: https://github.com/neu-cs4530/spring25-team-project-group-608

## An Enhanced Platform for Developers:

This project reimagines the traditional Q&A experience to allow for more in-depth collaboration.

Key features include:

- **Community Groups**: Users can create, join, and moderate dedicated communities focused on specific topics.
- **Reputation System**: Users gain reputation points and badges based on meaningful contributions, encouraging engagement.
- Interactive Reactions & Moderation Tools: Users can react to posts with likes, comments, and ratings, archive useful content, and report inappropriate posts for streamlined moderation.



Global Leaderboard for Reputation score and associated badge

## Technology Stack/Overall Design Decisions

- **Open AI Moderation API:** To implement our text moderation feature we used the OpenAI API which allows you to filter content for potentially harmful or sensitive text. This moderation feature was used on every user inputted text, ensuring a safe experience for all users.
- Material UI Library: To enhance the overall look and feel of our app, we utilized the
  popular React library, Material UI (MUI). MUI allows for much more customizability than
  the base version of React, as well as making styling much more simple and efficient. We
  used MUI for many purposes within our app, including buttons, menus, switches, and
  more.

## **Future** work

- **Gamified Challenges** Introduce coding challenges and community quests to drive engagement including introduction of **Login streaks/bonuses**: Get bonus reputation for logging in everyday and making meaningful contributions. Login streaks give higher rewards depending on the length of the streak.
- **Spam/Bot detection:** Posts are evaluated for their likelihood of being spam or generated by bots. Suspicious user interactions such as repeated comments of the same text, are also evaluated to authenticate human behavior and ensure a fair platform.
- Further user/community customization: Users can add profile pictures and gain multiple badges which they can choose to display on their profile page. Community owners or mods can customize the community page with color themes, rules, and more.

