CS4530 FINAL PROJECT: "HUSKY OVERFLOW"

GROUP 111: PATRICK YU, KEEFER WU, MICHELLE COKER, GRACE FLEMING

Links:
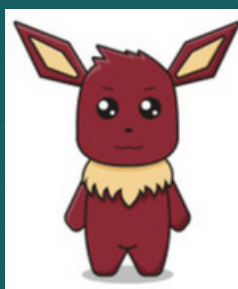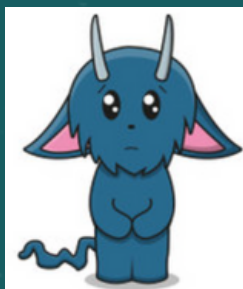[Project repo](#)
[Live hosted site](#)

OUR FEATURES

- Virtual pets
- Enhanced gamification
- Customization/Accessibility

Pets that the user can choose from

We aim to increase user engagement on Husky Overflow through gamification. The pet features allows users to have a virtual pet, which can be changed or accessorized by spending coins, earned through playing games and engagement on the site. An additional game Rock Paper Scissors was implemented to play against other users in real time. We also added accessibility features with various color filters for the website, as well as screen reader support. Signatures were implemented to the question page to add user customizability.

Our project extends the existing Husky Overflow codebase to support additional features. The Rock Paper Scissors game uses sockets and includes an MMR system, rank tiers, a leaderboard with filtering, and an MMR-over-time graph via Chart.js. The Question and Answer features were improved by adding Markdown support for additional customizability. Accessibility improvements include theme toggles for light/dark mode and colorblind-friendly themes using React's ThemeProvider and global CSS variables.

asked Apr 05 at 18:40:25
testUser

Users can upload custom images to use as a signature on posts

Question Text
markdown
is *really cool* wow!

Add details

Preview

markdown
is *really* wow!

Markdown support when asking/answering questions

Rank	User	MMR	Wins
1	🏆 michelle	1800	20
2	◆ Pootric	1561	33
3	◆ Michelle2	1300	10
4	🏆 test	1116	16

Leaderboard with rank system to compete against other users

huskyoverflow

Rebranded to husky overflow for a more personalized Northeastern experience

FUTURE WORK

There are extensions that we were not able to implement that would contribute a lot to our goal of enhancing user engagement. If we had more time, a lot of our features could be fleshed out and made much larger and more interactive. The following are some examples of future work that could be done:

- Pet shop notifications
- Weekly & monthly leaderboards
- Additional pets & accessories