OverFlow For All

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https://cs4530-s25-512.onrender.com

Future Work:

With more time, we'd like to implement notifications for whenever a user joins an org, security analysis and violation checks for administrators to review, allow users to choose their keybinds and shortcuts, an option to view an even more simplified webpage.

Tech Stack:

We utilized the existing FakeStackOverflow code so that we could add toggles to questions for AI and Organizations. We made updates in the question and user schemas so that our new features could be tied to either a person or question. In order to add the AI functionality, we used OpenAI. Our CLI is in a separate folder within the repo and is made using Python. The Theming took extensive research on css in order to make possible for full flexibility in customization.

Features:

1. Al Answer and Recommendation System

1 answers	why do people get angry	Z	sk a Question
1 views	+ sensitive +	fruitlo askec	op 13 hours ago
Show Comments			
factors. Some common re disrespected or unheard, expectations. Additionally can also influence how po- natural emotion and can	a variety of reasons, as emotions are complex and can be triggered by different easons why people may get angry include feeling threatened, feeling experiencing frustration or stress, feeling overwhelmed, or having unmet , individual differences in personality, past experiences, and coping mechanisms eople express and process their anger. It's important to remember that anger is a serve as a signal that something is wrong or needs attention. Learning healthy ress anger can help individuals navigate challenging situations effectively.	Al-Bot 17 hours Upvote ago	Show Comments
Answer Question			
	Question Title* Limit title to 100 characters or less		
	Question Text* Add details		
	Tags* Add keywords separated by whitespace	6	
	Target Organization (ID)* Optional: Enter organization ID if this question is aimed at a specific org		
	☐ Mark as Sensitive		
	☐ Generate an AI answer after posting?		
	Post Question	* indicates mandatory fields	

By using OpenAI, this feature is designed to improve the overall experience by automatically generating clear, concise answers and suggesting related content, the system makes it easier for users to read, understand, and navigate questions and responses. The answer generation feature is able to be toggled on when asking a question.

2. Accessibility improvements in the form of themes and easier navigation

	Colors	Live Preview	Questions	Theme Marketplace	Available Themes
Messaging Utues Carries Carries Carries	Page Background Background Background Background Background Background Text Colors The Text Booky Text Link & Risk Colors Answerer Answerer	OverflowForAll 2 answers Sample Question Title 100 views The is a sample question body used for years a sample question body used for years a sample question body used for years a year of process The is a sample general body for greater 440,000 body Another example animed used in the process 450,000 body 2112 Au Comment	Messaging Uses Cernes Customire There Mestagines		Is There (sgr)
	Typography & Layout Fet And Value The Size				

	Keyboard Navigation I	Help
Functionality	Keybind	Notes
Navigate between interactive elements	Tab / Shift + Tab	Tab to move forward, Shift + Tab to move backward
Activate link	Enter	Follows the link
Activate button	Enter / Space	Activates button
Re-enter focus loop	R	Re-enters the focus loop if it was previously escaped
Activate checkbox	Space	Check/uncheck box
Select from dropdown	Up/Down arrows, Space, Enter, Esc	Navigate and select dropdown options
Autocomplete input	Up/Down arrows, Enter	Navigate and select autocomplete options
Dialogs/alerts/focus-loops	Esc	Exit dialog, alert or focus loop
Scroll	Up/Down arrows	Scroll vertically
Access keys	Shift + Alt + key	Navigate to specific menu tabs

We're enhancing accessibility for users with diverse needs—color blindness, vision impairments, motor skill challenges, and more. Customization options like text size, fonts, and color schemes are available. As well as a theme marketplace where users can share their customized theme. A live-updating page will let users share and apply presets instantly. Alternate navigation methods will also be offered for non-mouse users.

3. Organizations and CLI

Administrators WhoopiGoldberg EllieG Members		AwethomeClub Invite Code: 60e9cfe7 Organization ID: 67f4a77b08009edc5a7aaad6
EllieG	Administra	ators
Members	WhoopiGoldberg	
Members		

(.venv) katherine@Katherines-MacBook-Air spring25-team-project-spring25-project-group-512 % python -m socli login test test
 Logged in as test
 (.venv) katherine@Katherines-MacBook-Air spring25-team-project-spring25-project-group-512 % python -m socli ask-question --title "is this a question" --text "it doesn't have a question mark" --tags confusion

The CLI offers secure login and registration for users seeking automation or advanced control. Basic functionality of what UI website provides. It enables activity monitoring, bulk data access, and Al-assisted question answering. User's can join orgs through an invite code. Organization's can toggle sensitive information on questions and those are accessible only to members of the org.