

CS4530 Final Project: AccessiFlow

Project Features

AccessiFlow is an online platform for all forms of technical users alike, where users can involve themselves by creating or attending community events. The platform also gamifies contribution via a karma and leaderboard system, encouraging involvement. And most importantly, AccessiFlow boasts an inclusive and accessible experience for all!

General Member

General members can browse the platform which includes the ability to ask/answer questions, attend and track events via personal & community calendars, and track their engagement via community & global leaderboards. General members can also edit and configure their profile which includes adding a bio and settings for accessibility support. The site allows for a low-emission mode meant for users who may get overstimulated, high contrast mode meant for low-visibility users, dyslexic-friendly mode, and colorblind mode. The site also offers extended screen reader support for blind users, as well as mobile friendly viewing so users can access the platform from all devices!

Administrators

Administrators of communities on AccessiFlow are given the responsibility of scheduling community events to foster engagement. Administrators can create, edit, and delete events, as well as define various properties such as the type of attendance, tags for what audience the event is targeted for, a capacity for attendance, and more.

Design Changes

- Added a calendar and event system to promote and track involvement within communities
- Added a leaderboard to gamify and promote engagement across the platform via a karma score, with historical data to track progress on the platform
- Added extended accessibility support for several classes of disabled users, including: neurodivergent users, users with poor eyesight, dyslexic users, colorblind users, and blind users

Future Work

In the future we would like to allow users to view the calendars of others, add additional support for low-dexterity users, and allow admins to configure the leaderboards/karma points awarded within their communities. We would also like to add privacy features to allow users to protect their privacy within the calendars, events, leaderboards, and more. Additionally, we have considered adding possible games that could contribute to karma points for users and adding the ability to login with Google/two factor authentication for the platform.

My Events

Search by event name: All Type All Type

December 2025 Today

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 AI Community Leadership Meeting	2 AI Meet	3	4	5 AI Meet Community Collaborative Event	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

Global Leaderboard

Track the top contributors across the entire platform

TIMEFRAME: All Time Today Historical

RESULTS: Top 25

Live updates every 30 seconds. Last updated: 4:37:27 AM

Rank	User	Karma
#1	AI_Expert1	65
#2	arjun	35
#3	new-cwe	25
#4	bad_coder	25
#5	docker-pro	20
#6	coding_god	20
#7	bu-student	15
#8	dev-ops-specialist	15
#9	python-noob	15
#10	new-react-dev	15
#11	nodejsdev	15