

Community Connect

Student: Michael Olivero

Mentor: *Giancarlo Perez*

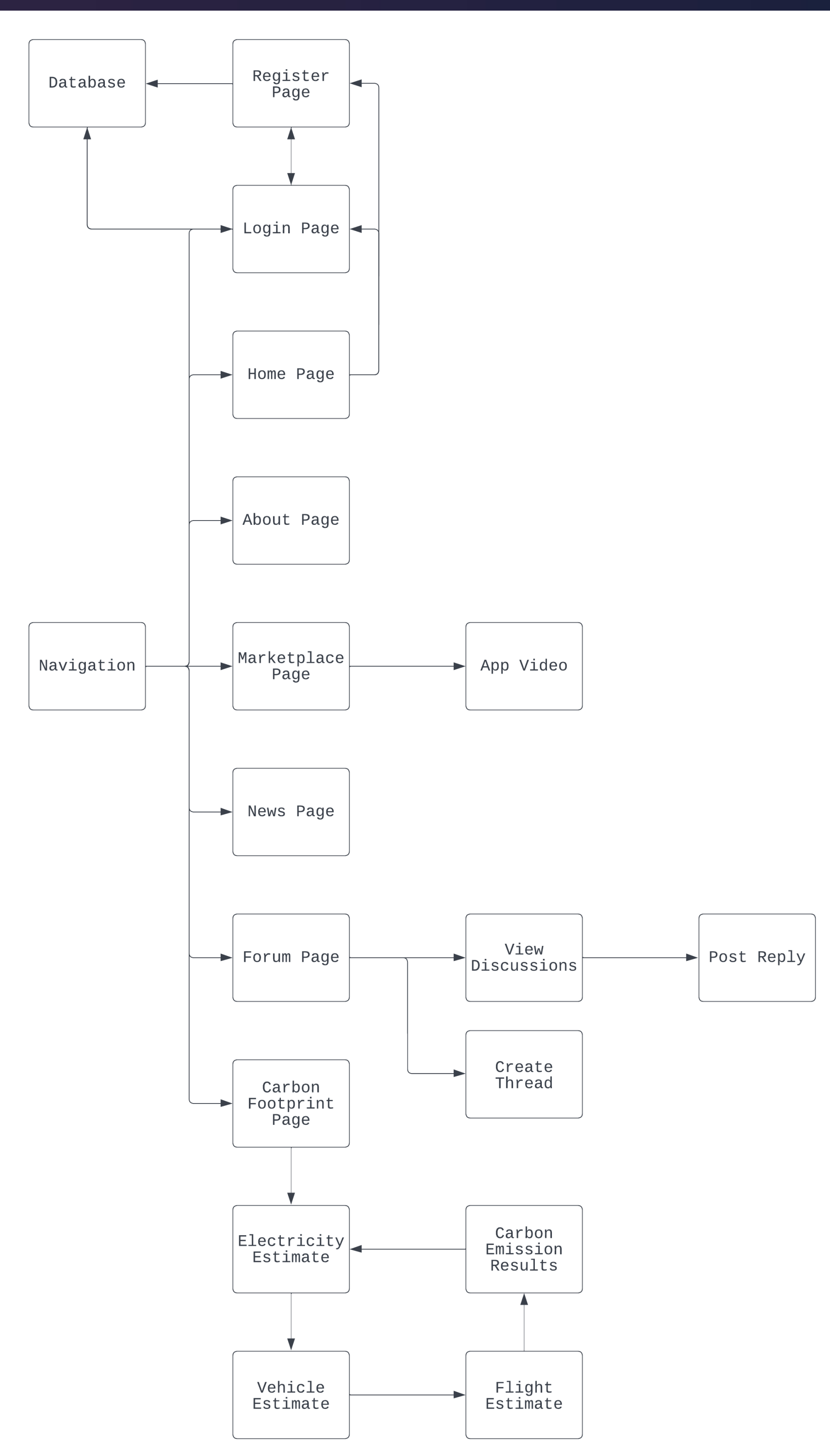
Instructor/Faculty: *Shahin Vassigh, Biayna Bogosian(Designer)*, Florida International University

PROBLEM

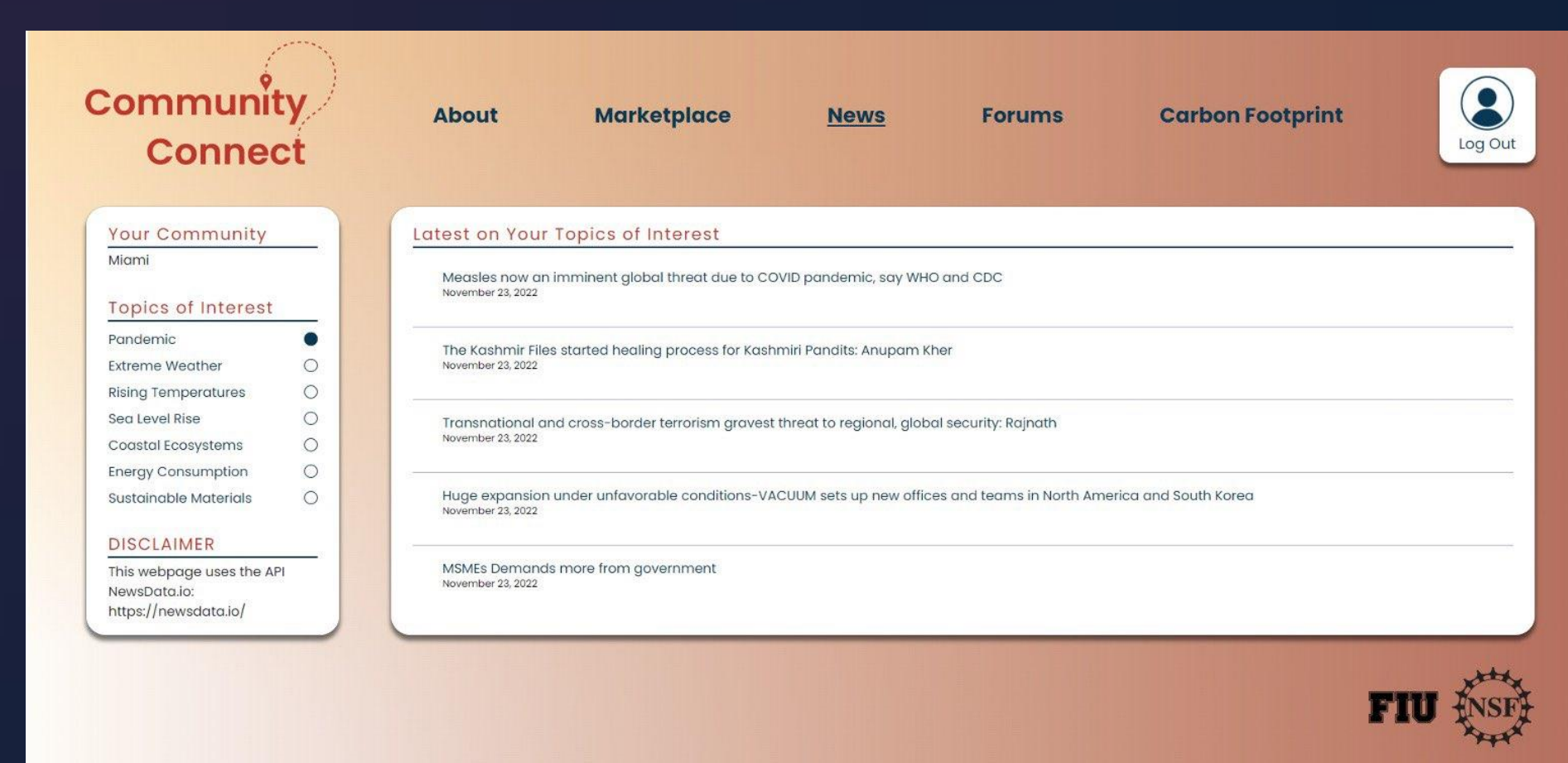
Community Connect allows users to find resources and create discussions revolved around the community they live in. Such topics include community news, carbon emissions, recycling, costal ecosystems, and more.

Throughout the semester, improvements have been made to allow users to engage in discourse on the forum page, log in and out, search for news on related topics.

SYSTEM DESIGN



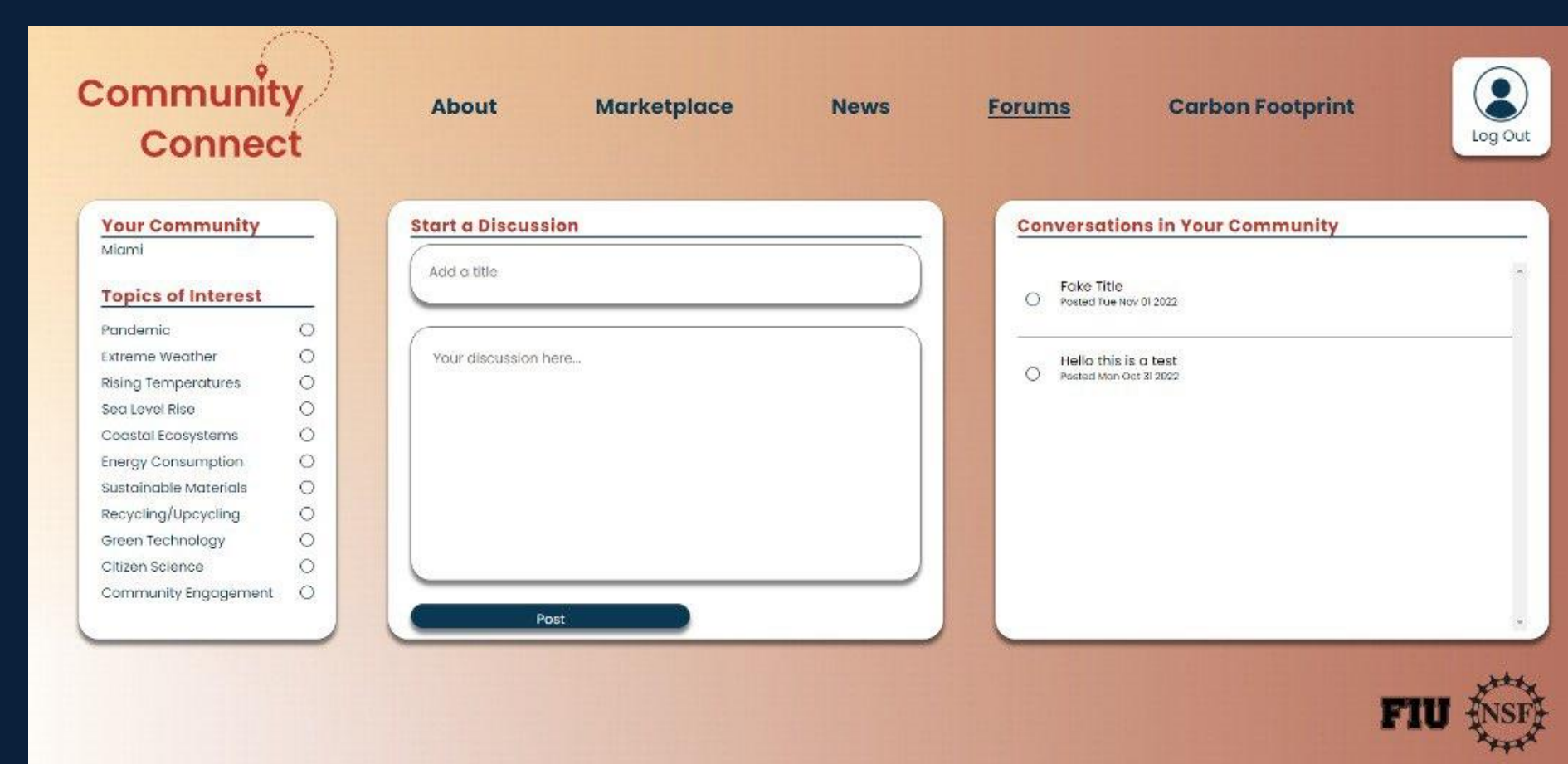
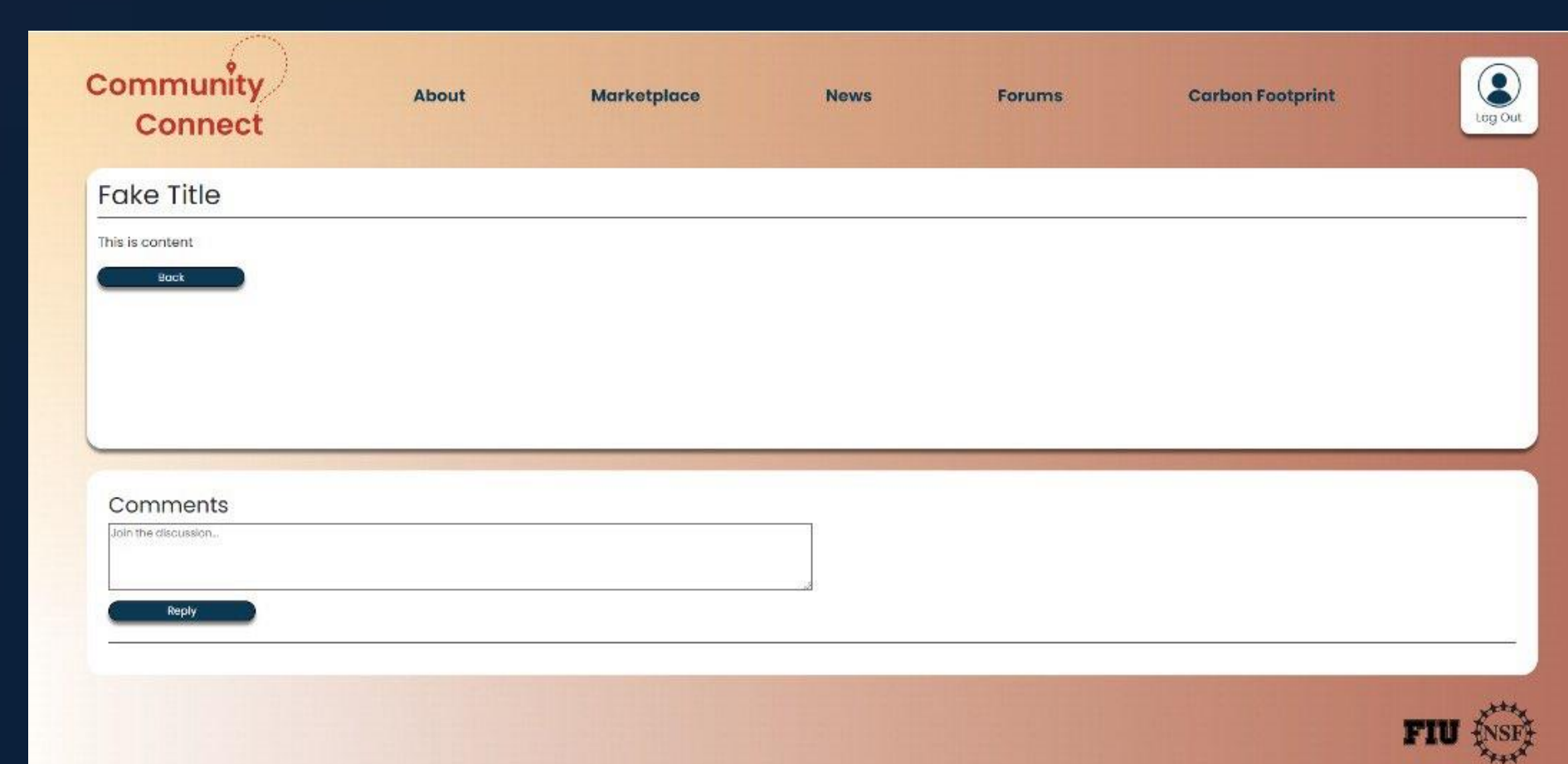
PREVIOUS SYSTEM



Previous Version had no functionality, just the MVP UI

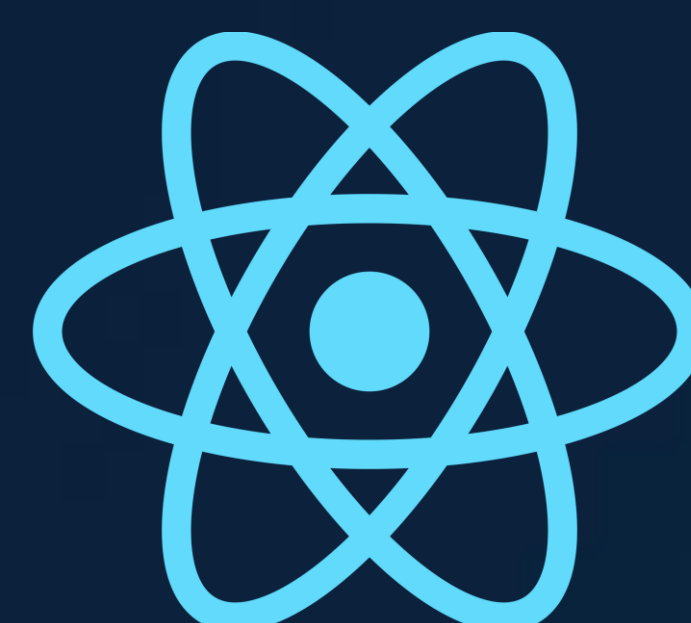
Current system allows for discussion posts, as well as comments and replies. Next.js, a JavaScript Framework, is used to provide more velocity for the frontend, and Django, a python framework, allows for access to our local database with Postgres.

CURRENT SYSTEM



IMPLEMENTATION

- Next.js sends SSR JSX to client
- Code is run on client which sends database related requests to backend such as user logging, registration, discussions, and discussion comments/replies
- Frontend also fetches news from News API and displays them on the News page
- Backend receives requests for authentication, adding and deleting posts/discussions, and updates database as needed



docker

VERIFICATION

Website was able to be successfully tested locally on Google Chrome, Firefox, and Microsoft Edge using MacOS, Windows, and Linux, all with screens of different sizes.

SUMMARY

Throughout the project, we made the site more robust, enabling it to better handle news searches with increased traffic flow. Changes in the News API allowed us to support a higher number of requests, and pages previously under construction were brought to the frontend, increasing the number of usable pages by 160%. The pace throughout the course was consistent as we implemented new usable features and cleaned up code. We also documented additional points in the repository for future maintenance.

NEXT.js

ATTENTION: Subheadings shown above is a recommended structure for a research/scientific poster. Main elements of a poster are Introduction, Research and Conclusion. Researchers can customize the section headers based on their projects' needs. REMOVE THIS TEXT ONCE YOU START WORKING ON YOUR POSTER

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by Shahin Vassigh. I thank Shahin Vassigh, Biayna Bogosian, and Giancarlo Perez for their assistance and mentorship that I received throughout this process.