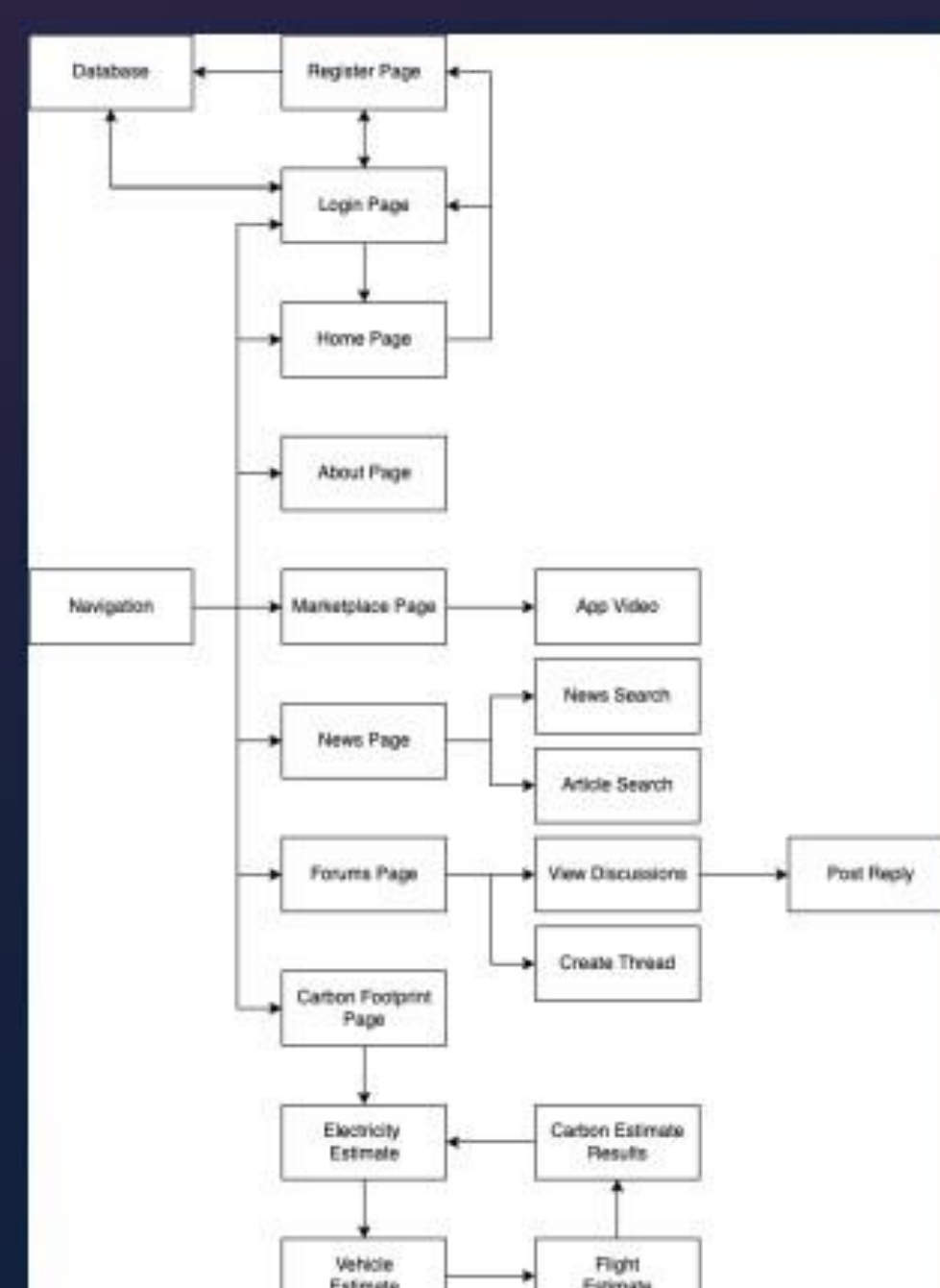


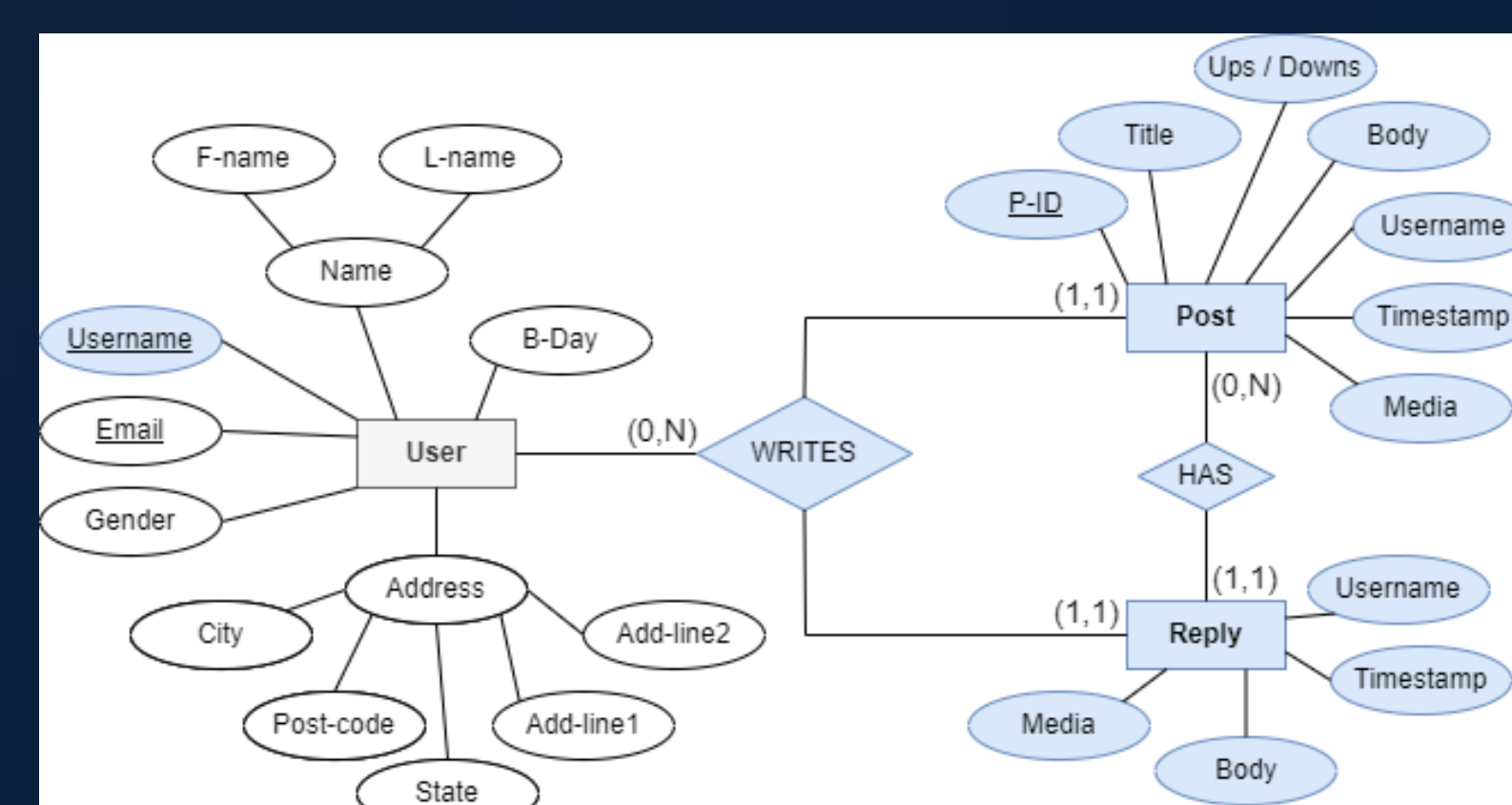
PROBLEM

This platform is for people in the community to interact with each other and find news or resources. The previous version of the site was already well structured with 3 of the 5 tabs functional . The other two missing tabs News and Forum have been made functional.

SYSTEM DESIGN



Database Forum



VERIFICATION

- The News API was tested and verified for intended use.
- The website Works on multiple browsers
- The database on the forum page had been tested and verified functionality.

CURRENT SYSTEM

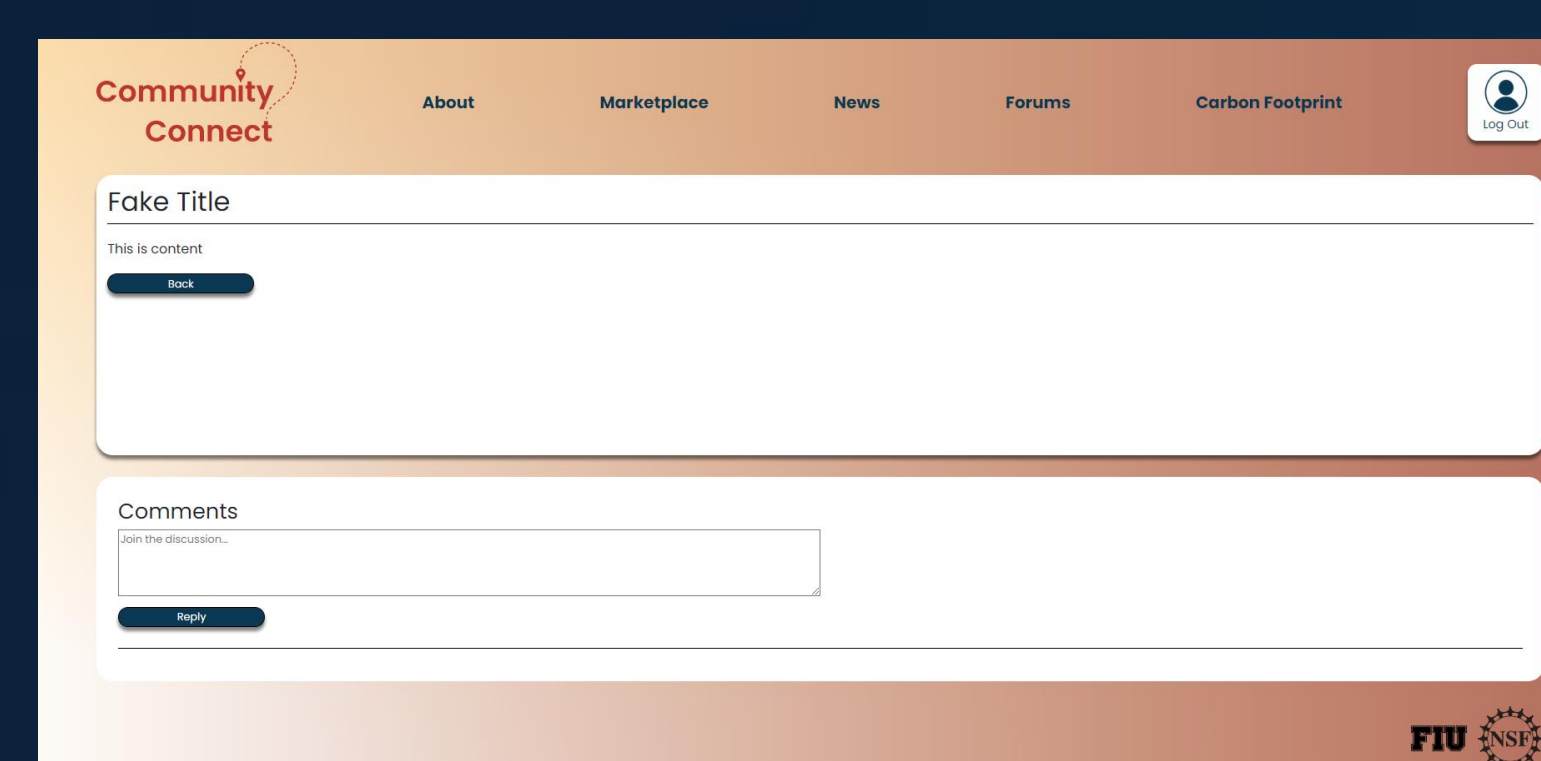
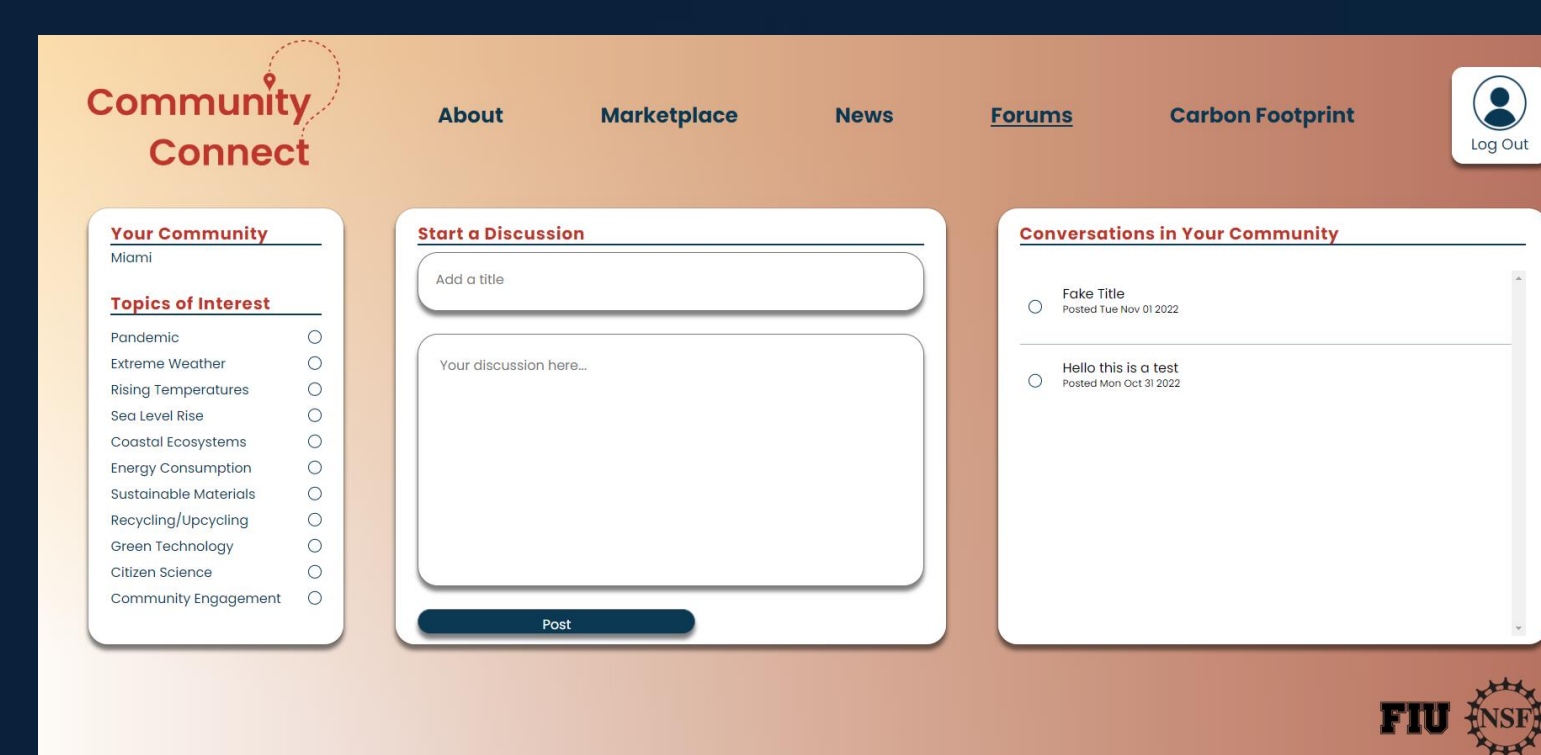
The website uses Next.js for the frontend to benefit from it features and make the graphics clean. For the backend, python and Django are used which helps with forum page and user registration also for the storage of posts and their respective replies. The use of API can be seen in the Calculator and in the News pages. Docker is used to make deployment of the website.

OBJECT DESIGN

Before



After



REQUIREMENTS

- Docker (Deployment Only)
 - Django
 - PostgreSQL 13
 - Python3
 - NodeJS
 - Axios
 - ReactJS
 - NextJS
 - Git
 - VS Code
- This is a Web Based page

IMPLEMENTATION

- To display News in the News tab, we change to a new API that is free for deployment and has a good amount of calls.
- To be able to see the created posts, a page was created to open the selected post and be able to post replies about that specific article.
- A data base was implemented also to store the content of the Post and their chain of replies.

SUMMARY

As requested by the Product Owner we made the pages (News & Forum) functional. We found a new News API that follow her requirements. Also a database was created and tools for the creation, reading and replying of the posts were implemented.