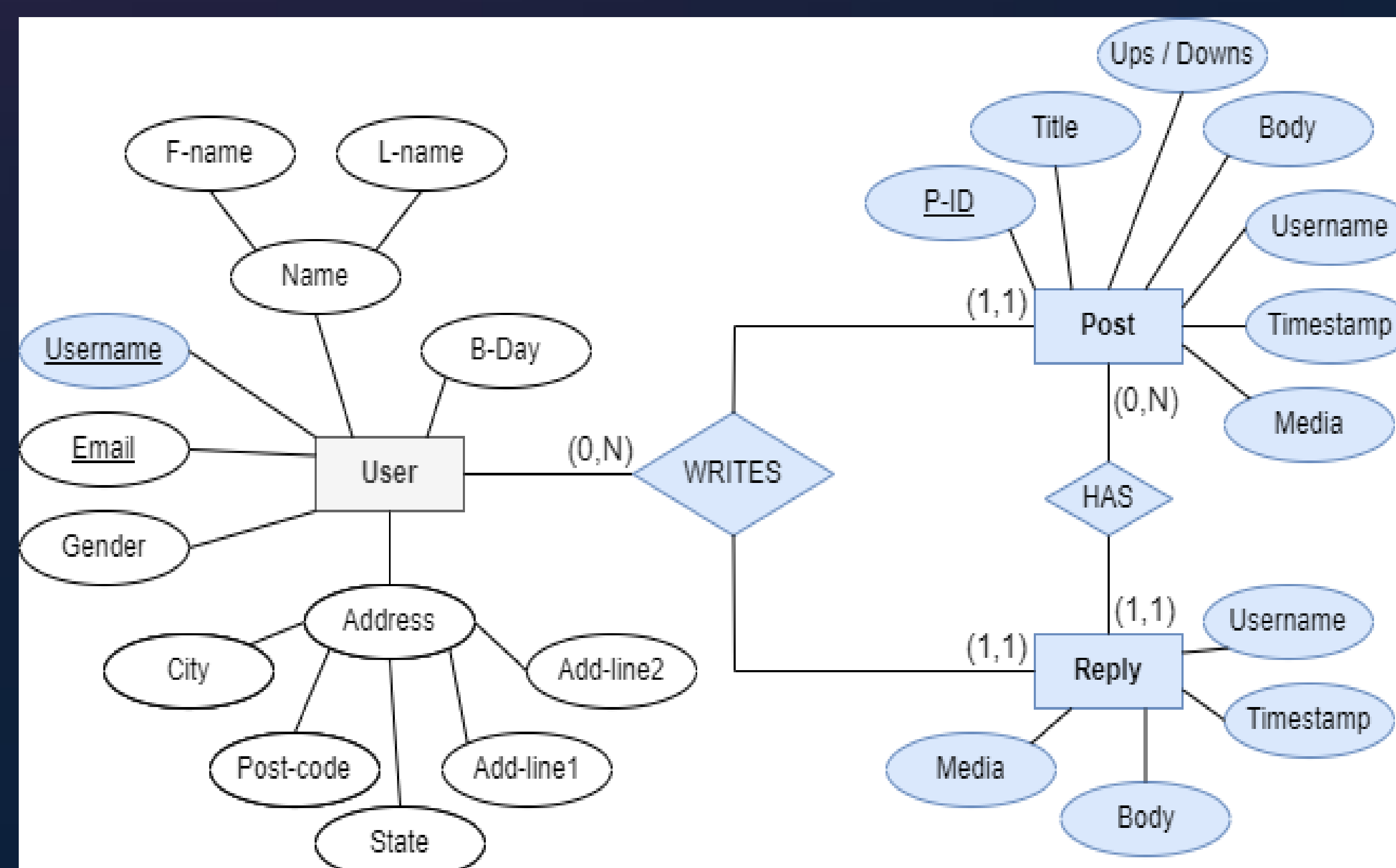


PROBLEM

The previous version of the Community Connect website was enlarged, mostly unresponsive, and incomplete regarding the sustainability page and being able to post of the user's choice. The goal of this semester is to find a better open-source news API to encourage discussion posts among users in the sustainability page.

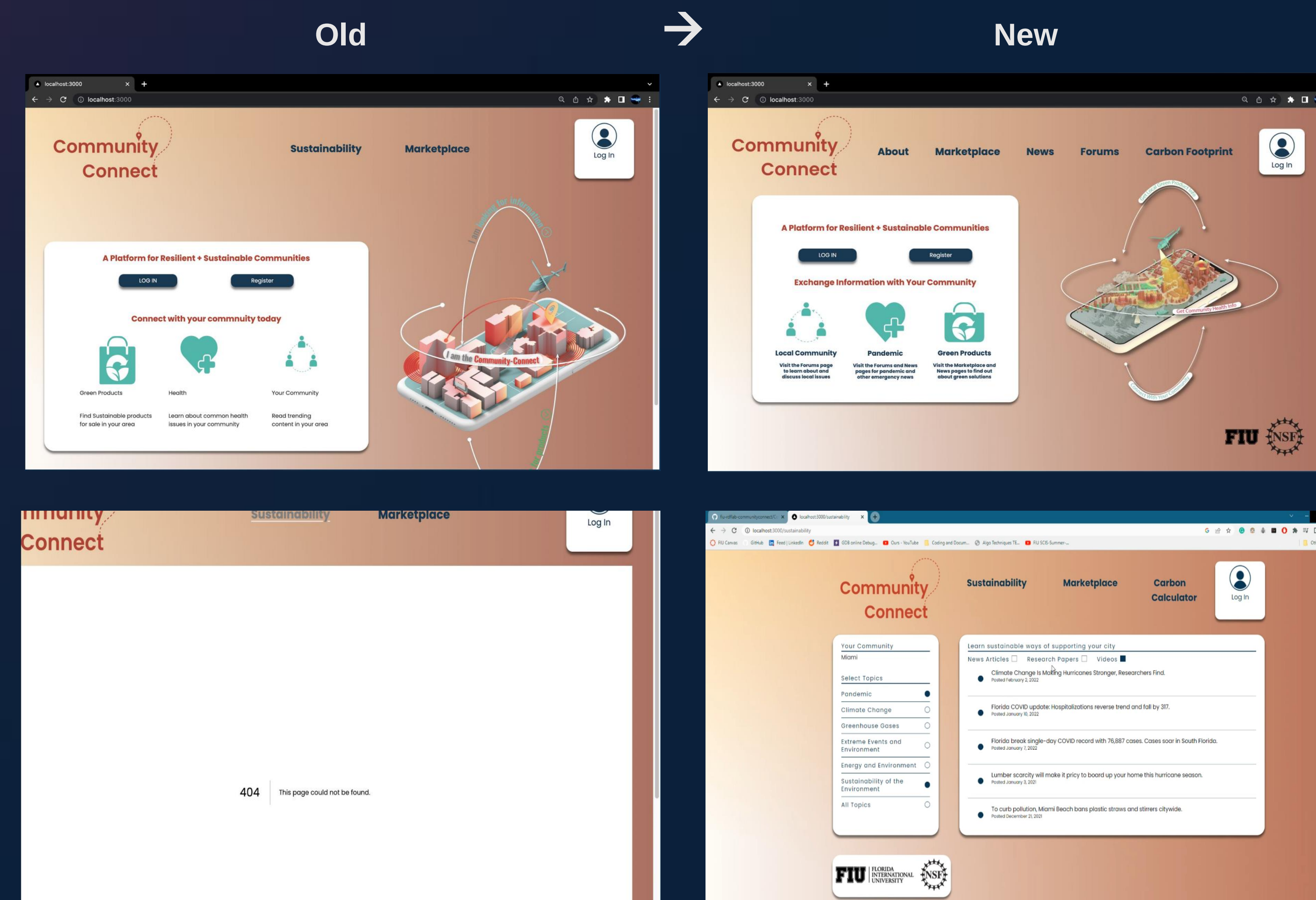
SYSTEM DESIGN



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.

OBJECT DESIGN



SUMMARY

The website's design underwent an extensive makeover. The given designs had to be adjusted/adapted after being changed several times. A free news API replaced the previous Google Scholars API due to the subscription requirement for non-development purposes. The front end was also revamped in which we merged certain pages like the Forum and Sustainability into one to make the page simpler for end users. Creating posts to share and discuss with the community has been more enhanced yet simplified to make things much accessible to users. The carbon calculator function has been working as intended and thus no changes have been made to that.

CURRENT SYSTEM

The website uses Next.js for the frontend to take use of its advantages and make development and use easier. Python and Django are utilized for the backend, which helps with the forum page and user registration. Docker is used to greatly simplify website deployment.

IMPLEMENTATION

- NewsAPI to display news sources on the new Sustainability page.
- Modified Home page as requested.
- The About, Marketplace, Home, Forums pages were all update/modified to match the requested designs

REQUIREMENTS

- Django
- PostgreSQL 13
- Python3
- NodeJS
- Axios
- ReactJS
- NextJS
- Git
- VS Code

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