

Community Connect

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PROBLEM

The previous version of the Community Connect website was enlarged, mostly unresponsive, and incomplete regarding main components like the search and carbon calculator, as well as their respective pages. The goal this semester was to implement the Carbon API used to calculate carbon emissions and make the website look like the original design with 4 pages: Home, Forums, Sustainability, and Marketplace.

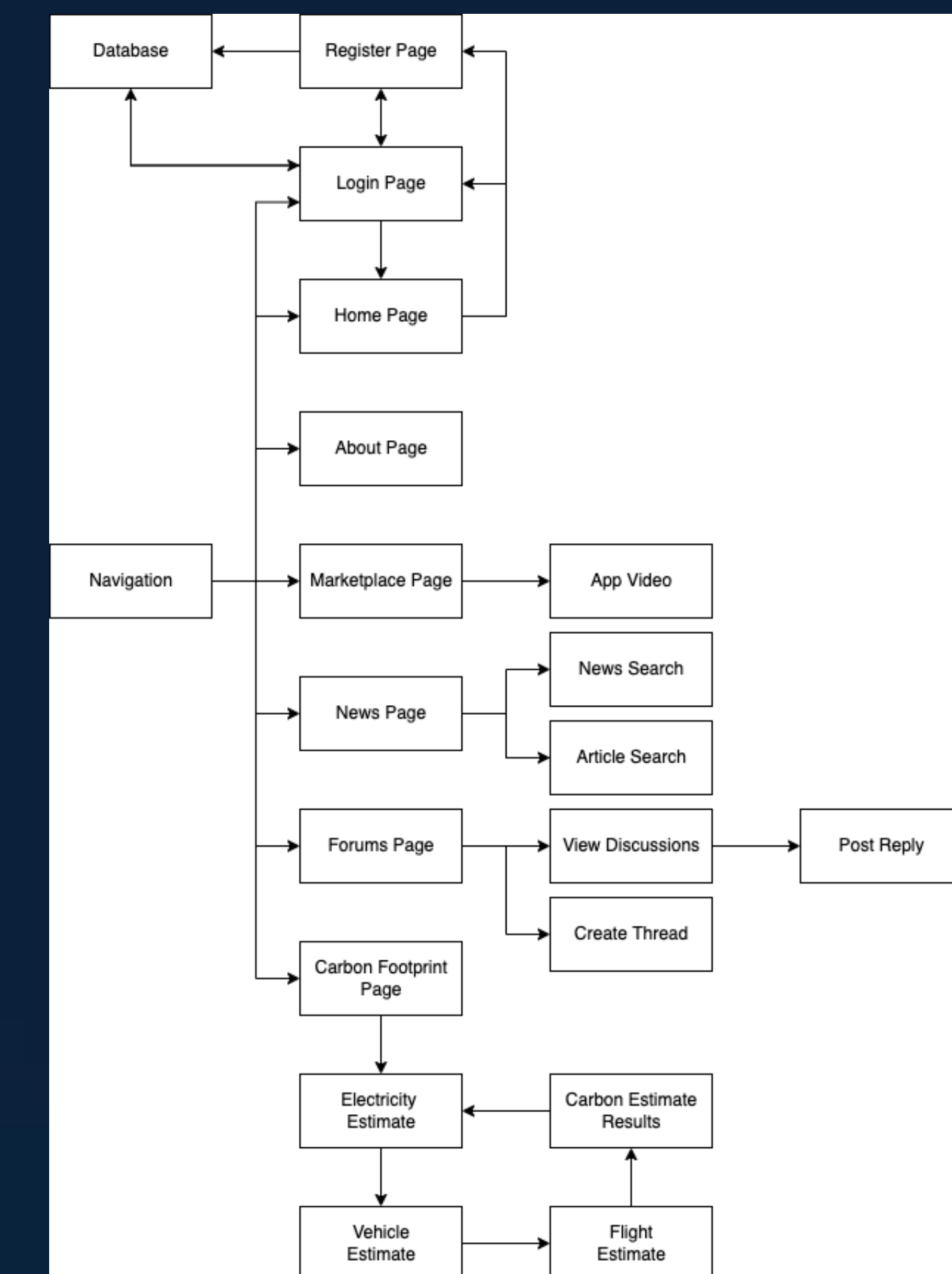
CURRENT SYSTEM

During the semester, there were several sections worked on as far as improving user experience. These range from small bug fixes to the addition of some moderate features. The current system of the application still works as it did in previous semesters.

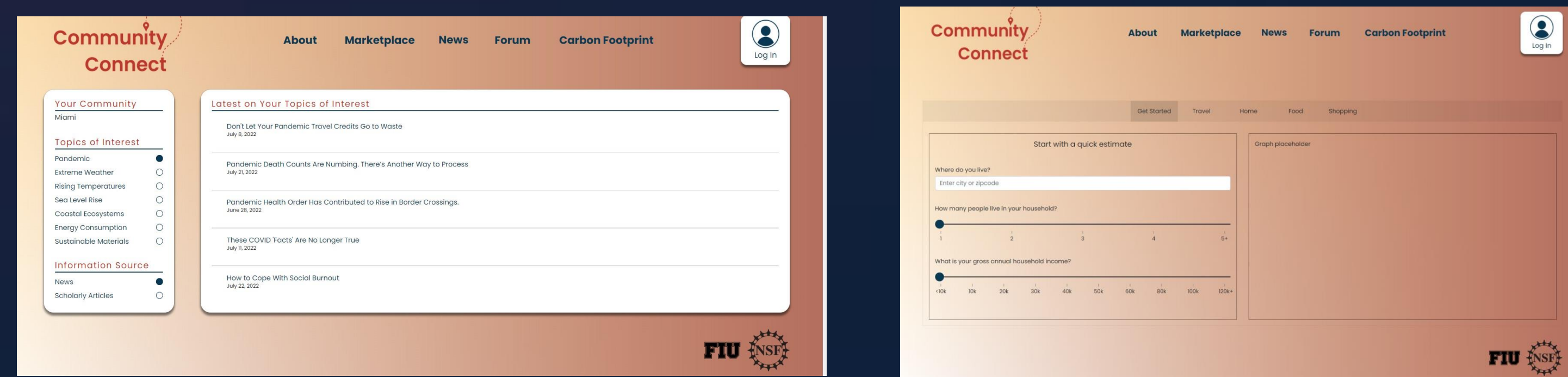
Implementations

- CarbonAPI to calculate the carbon emissions on the new Carbon Footprint page.
- NewsAPI/Google Scholar to display news sources on the new News page.
- Added the new About page as requested.
- Modified Marketplace page as requested, two times.
- Modified Home page as requested, two times.
- Modified Forums page design and to constantly be on the navigation menu.

System Design



User Stories Screenshots



SUMMARY

- US Students modified the Community Connect website as was requested by the product owner using their materials as reference. The design changed twice throughout the semester requiring altering what was already done. We implemented the Carbon API to be used on the Carbon Footprint page and we replaced the old generic search method with NewsAPI, and Google Scholar as requested by the owner. In deployment the NewsAPI has not been deployed due to the subscription requirement for non-development purposes.

REQUIREMENTS

- Text editor (Visual Studio Code)
 - Git version control
 - Internet browser
- Docker Containers
 - Node.JS
 - Python3
 - ReactJS
 - NextJS
 - Django
 - Axios
- PostgreSQL 13

