

PROBLEM

With Community Connect people will have a centralized location to find news and resources in their community, and an easy way to estimate their carbon emissions. This platform was not fully functional until now. The design of the pages now look as intended and carbon emissions can be calculated.

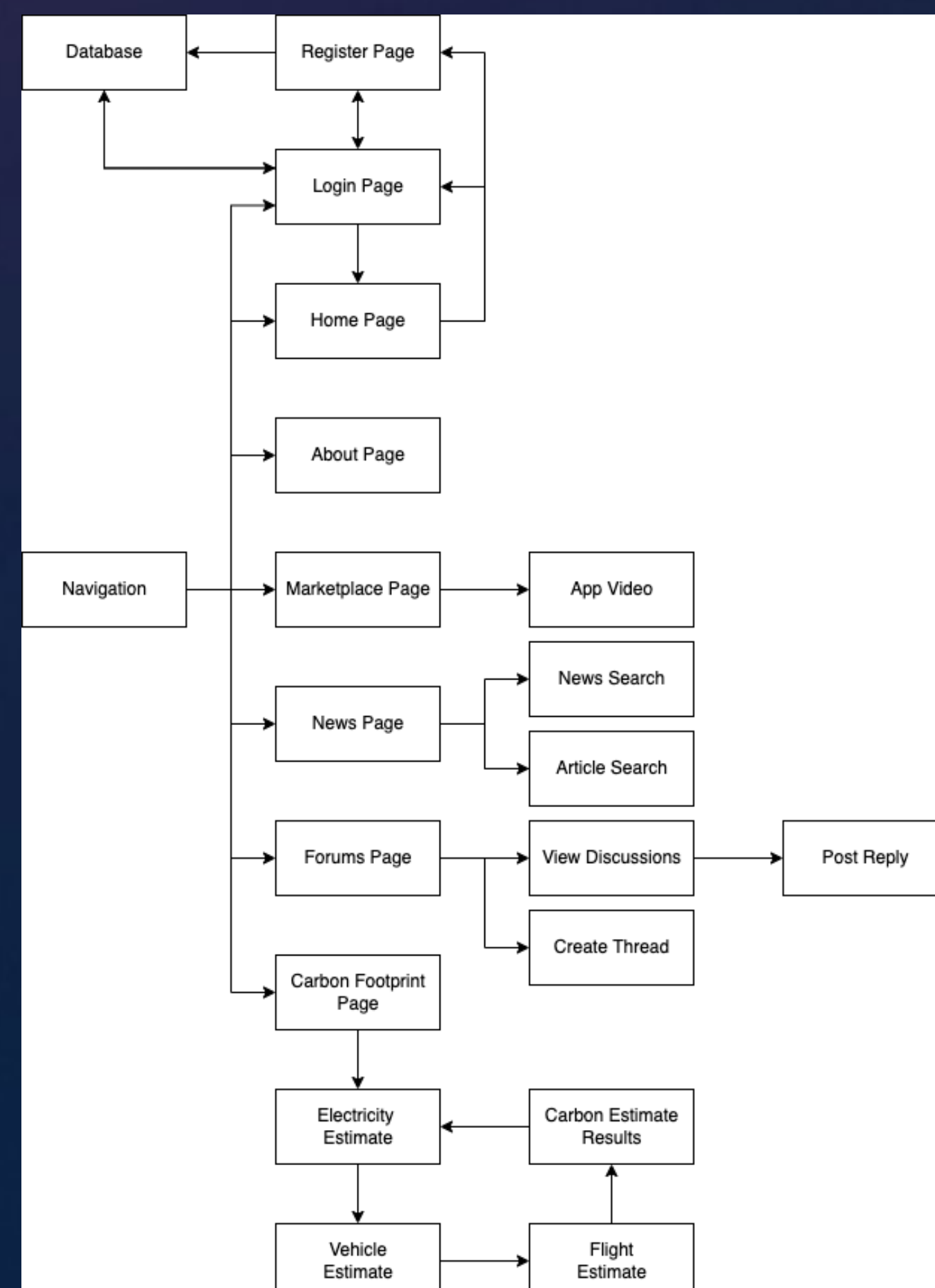
CURRENT SYSTEM

The website uses Next.js for the frontend to benefit from it features by allowing for a smoother developer and use. For the backend, python and Django are used which helps with forum page and user registration. Docker is used to make deployment of the website a lot easier

REQUIREMENTS

- Docker (Deployment Only)
- Django
- PostgreSQL 13
- Python3
- NodeJS
- Axios
- ReactJS
- NextJS
- Git
- VS Code

SYSTEM DESIGN

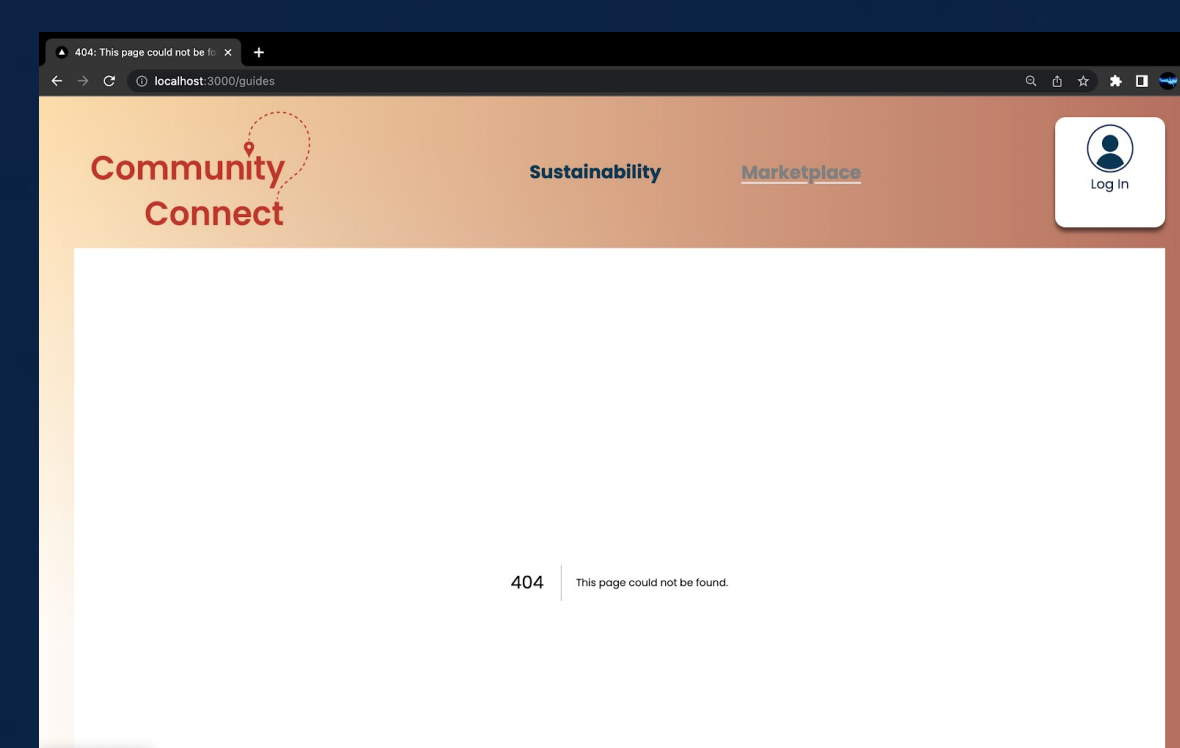
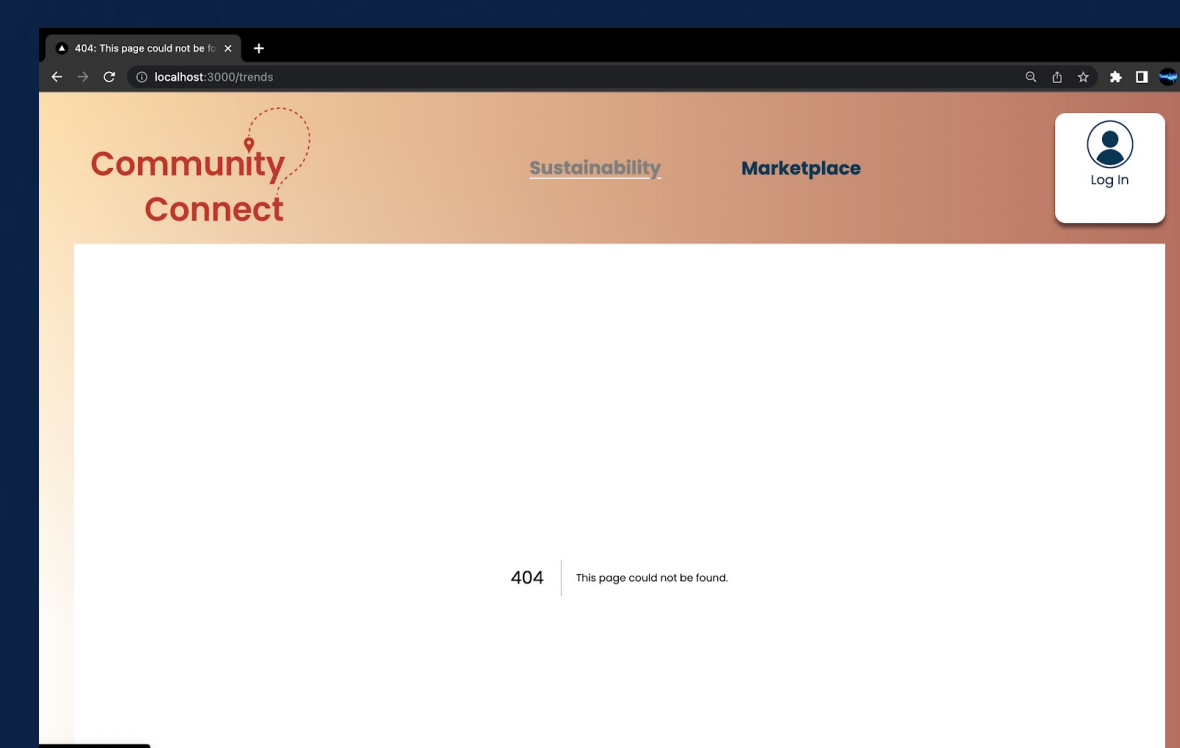
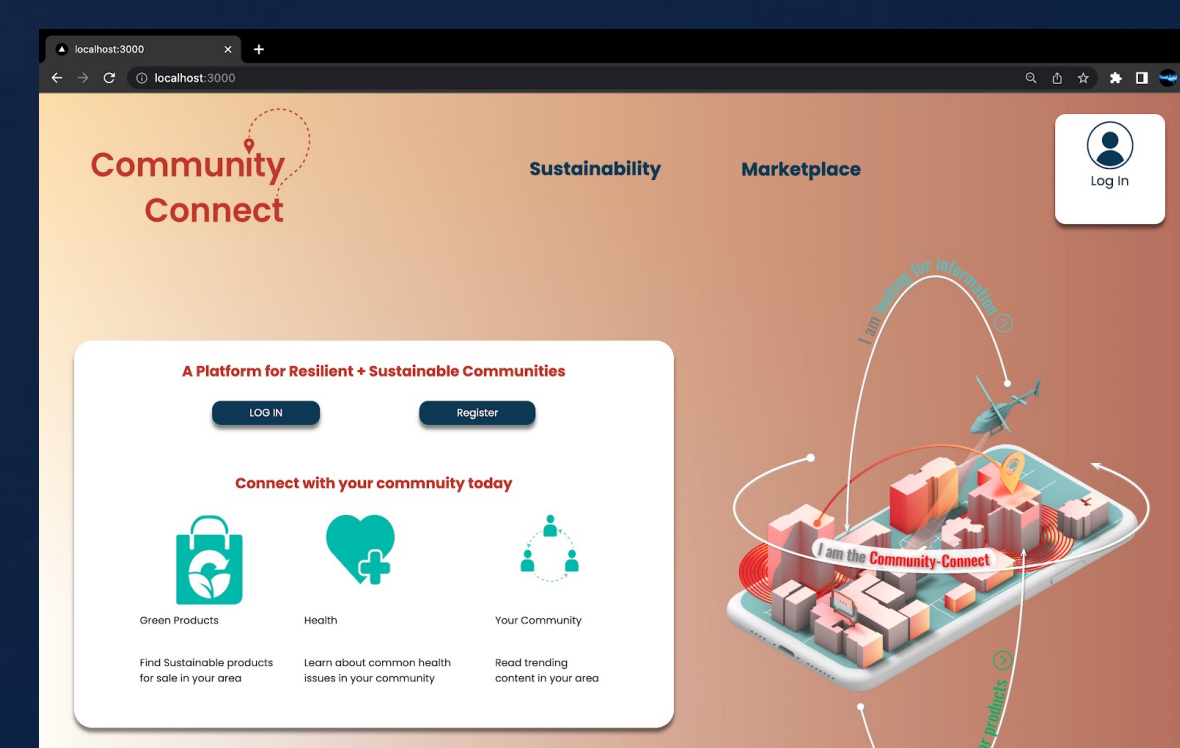


VERIFICATION

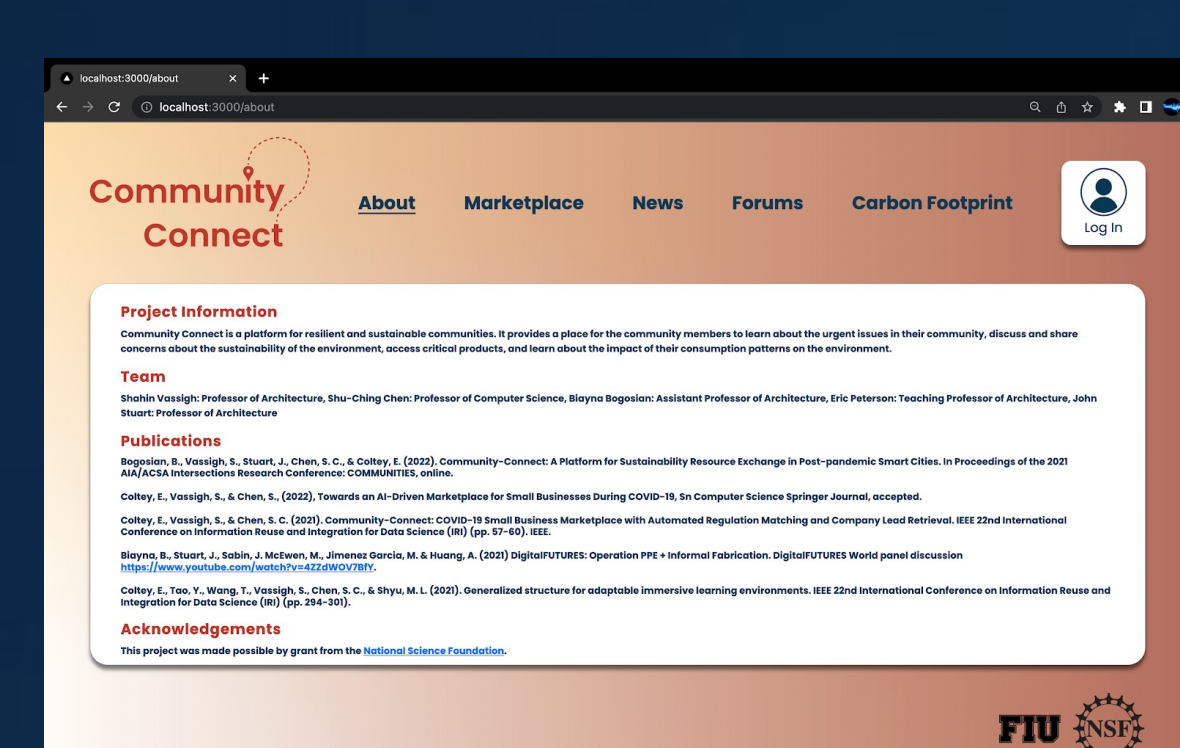
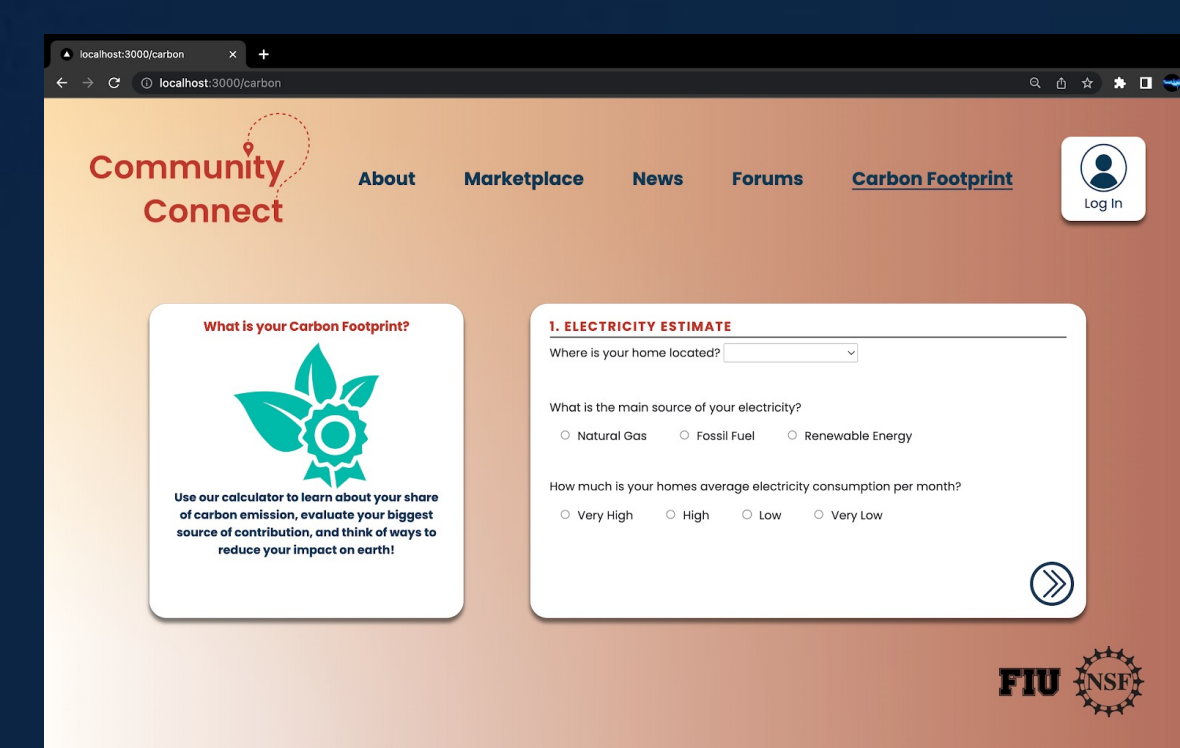
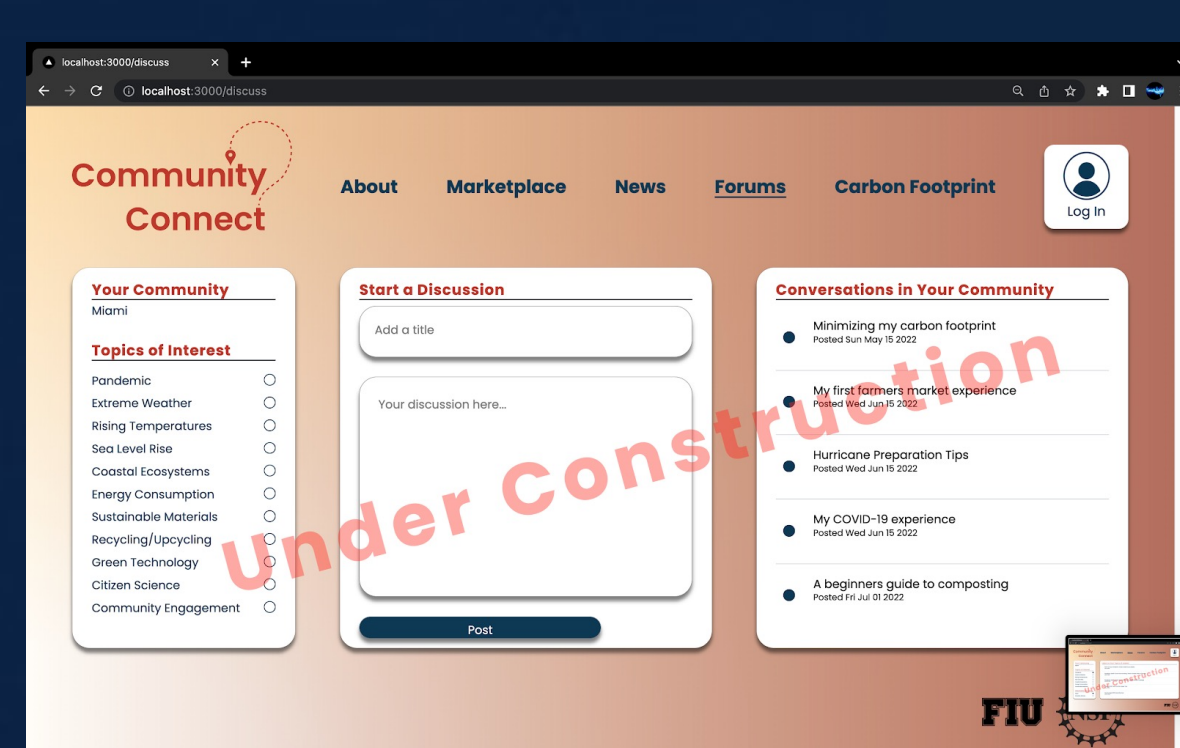
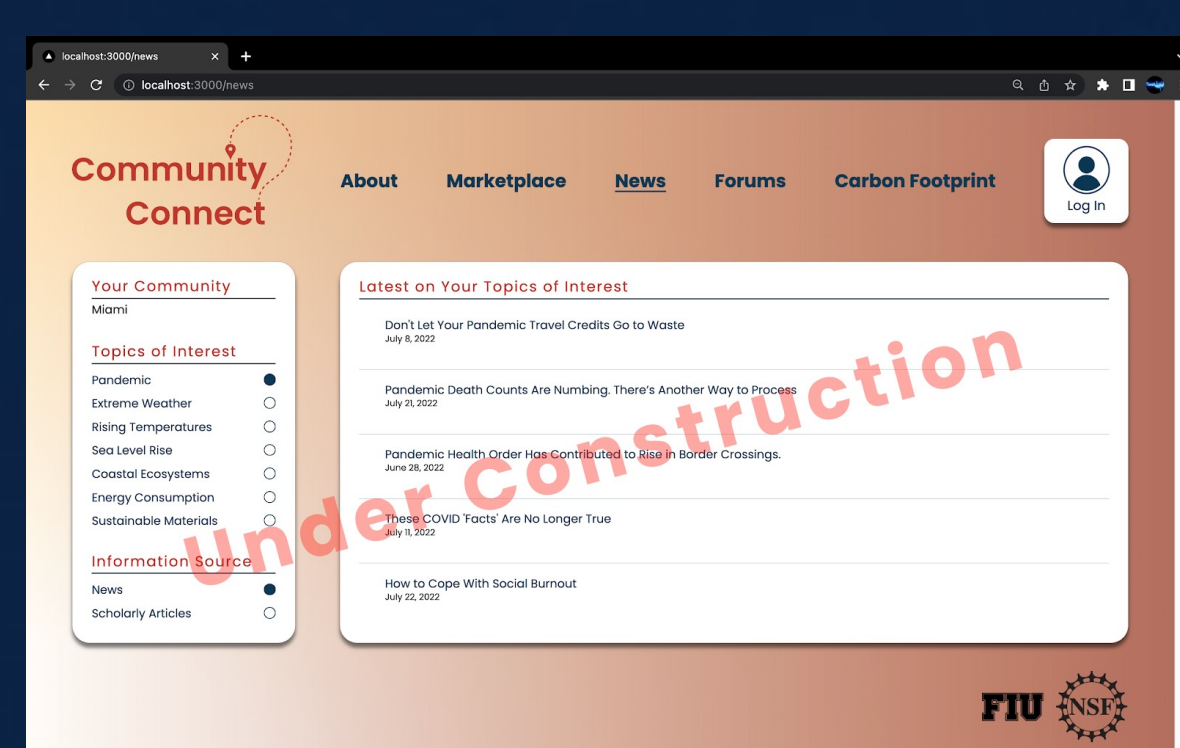
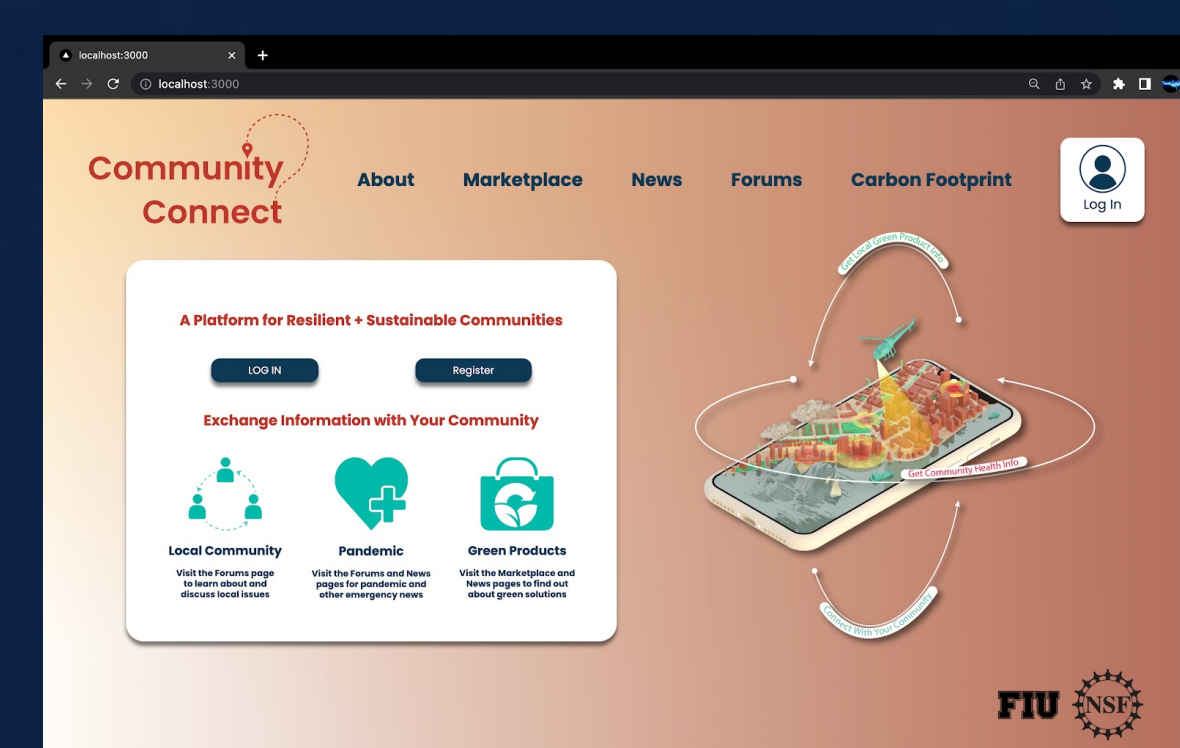
- The CarbonAPI was tested according to intended functionality
- The website was tested across multiple browsers to ensure intended result
- The website was deployed correctly
- All the pages on the website look like the required designs

SCREENSHOTS

BEFORE



AFTER



IMPLEMENTATION

- To display news and articles on the news page, the News and Google Scholar APIs were used
- To estimate carbon emissions on the Carbon Footprint page, the CarbonAPI was used
- The About, Marketplace, Home, Forums pages were all update/modified to match the requested designs

SUMMARY

A complete overhaul of the design of the website was done. The given designs were changed multiple times and required adaption/adjustments. Carbon emission estimates work as intended thanks to the Carbon API. News and articles can be views by using the News and Google School APIs. The NewsAPI does not work as intended in deployment because the API requires

ACKNOWLEDGEMENT

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