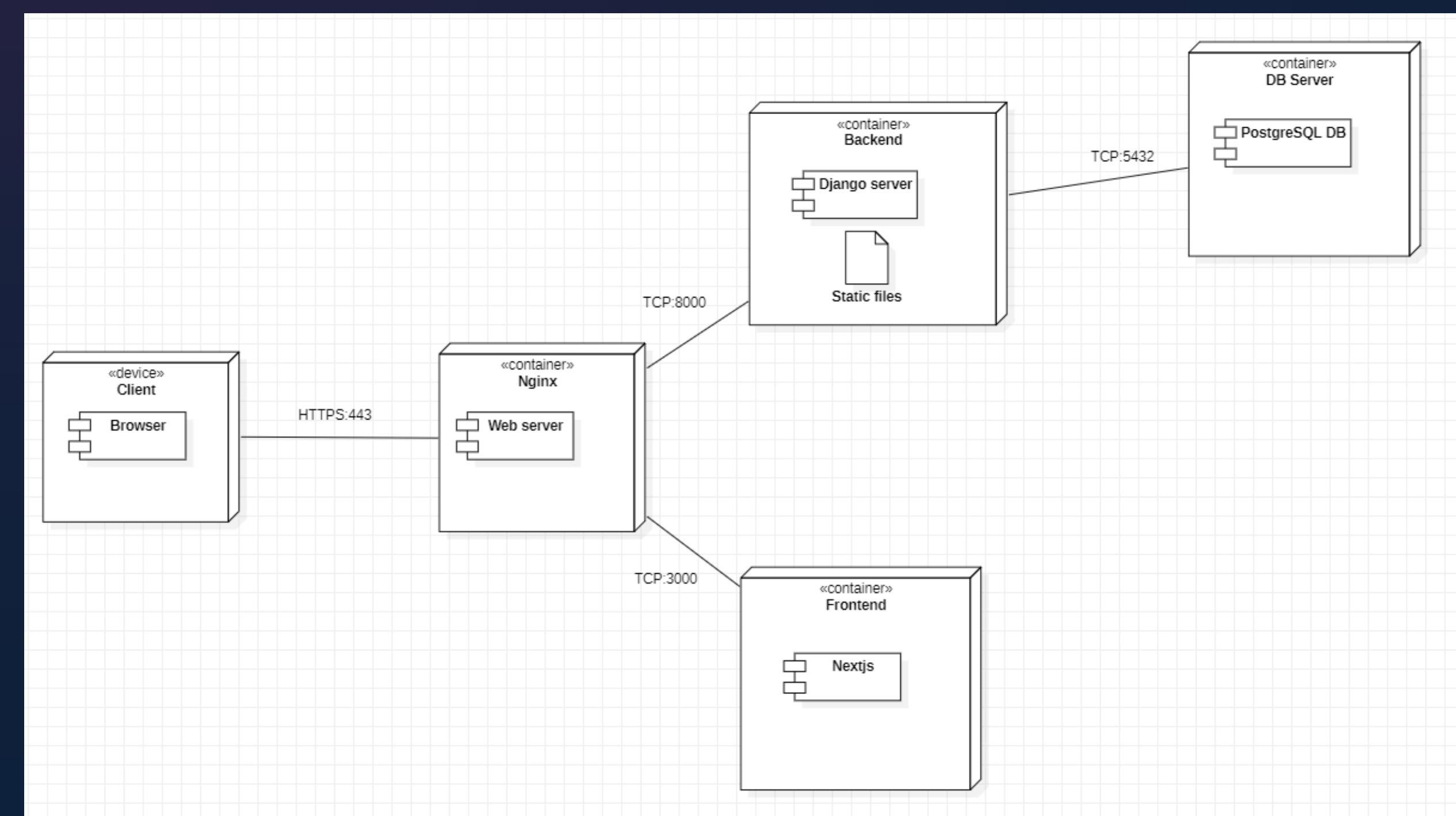


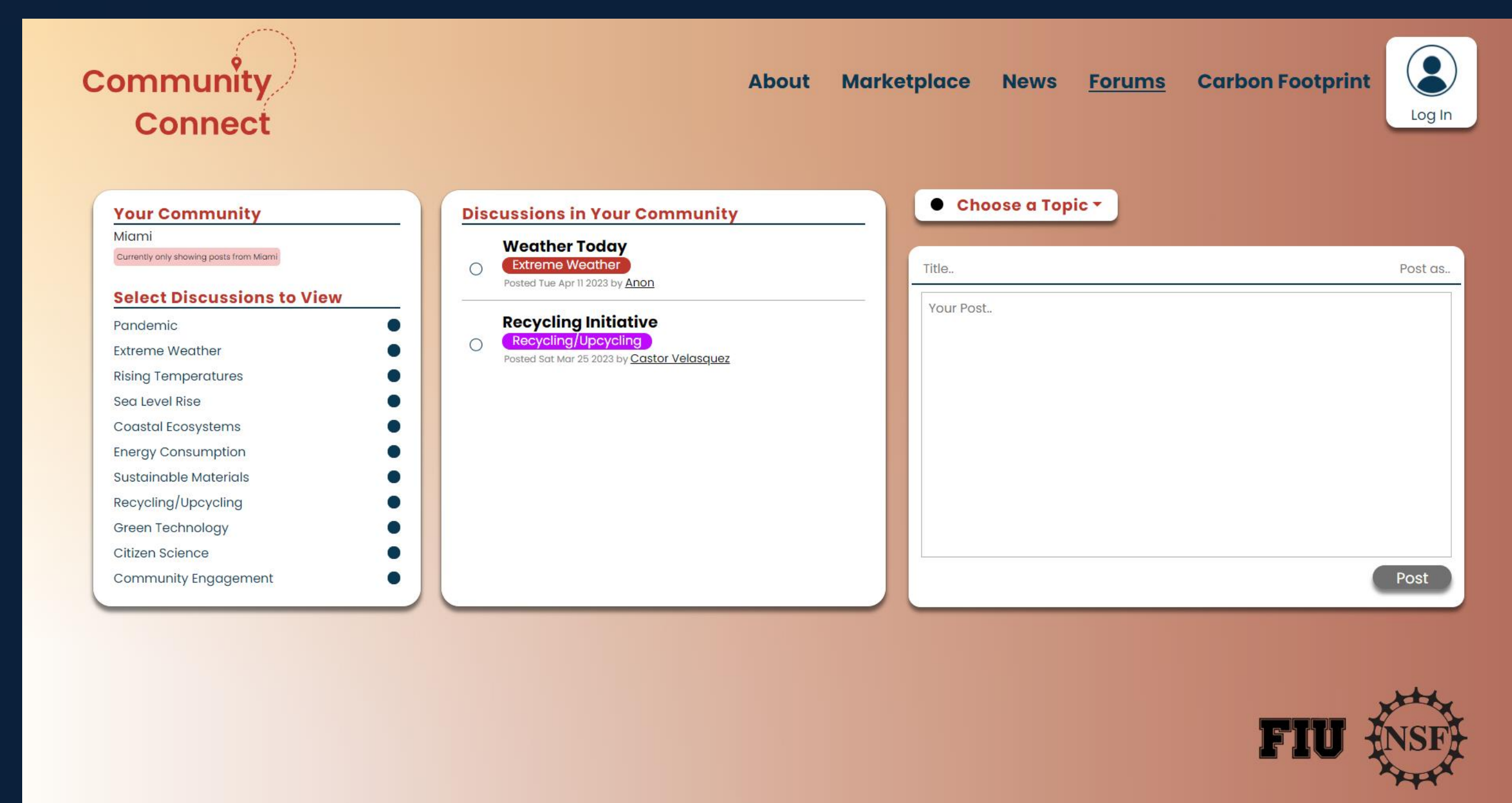
PROBLEM

The previous version of the Community Connect website was enlarged, mostly unresponsive, and incomplete regarding main components such as the forums page and login credentials. This semester's goal was to implement the Forums page, replace the API for the News page, and implement the login and registration.

DEPLOYMENT DIAGRAM



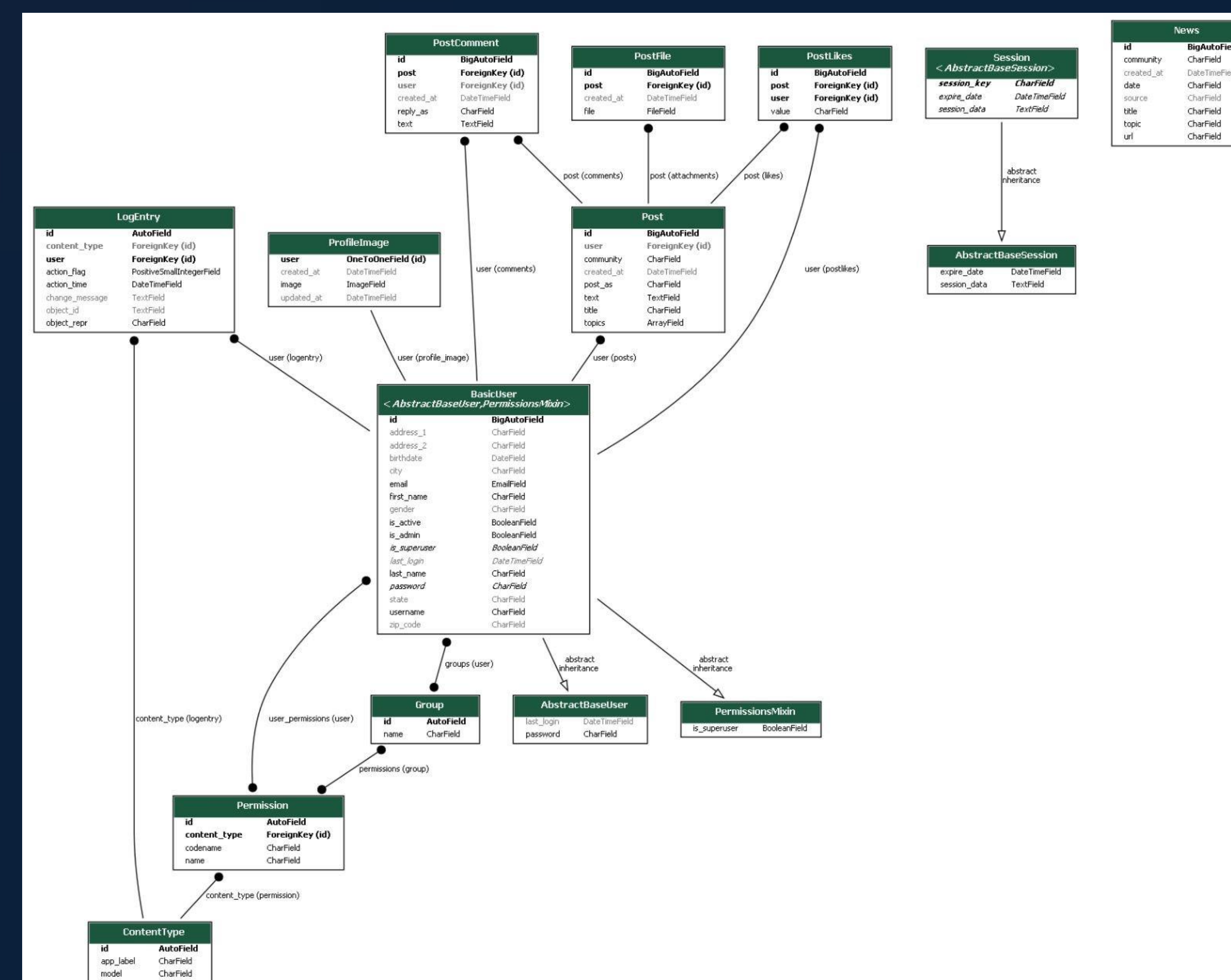
USER INTERFACE DESIGN



CURRENT SYSTEM

As in the previous system, most of the pages had hard-coded parts; we had to change the code to be more dynamic as well as more mobile-friendly. For the New page, we implemented it using the news API called SerAPI, which was used to update the local news from Miami every 48 hours. For the Forums page, we had to create a database to store user posts and replies.

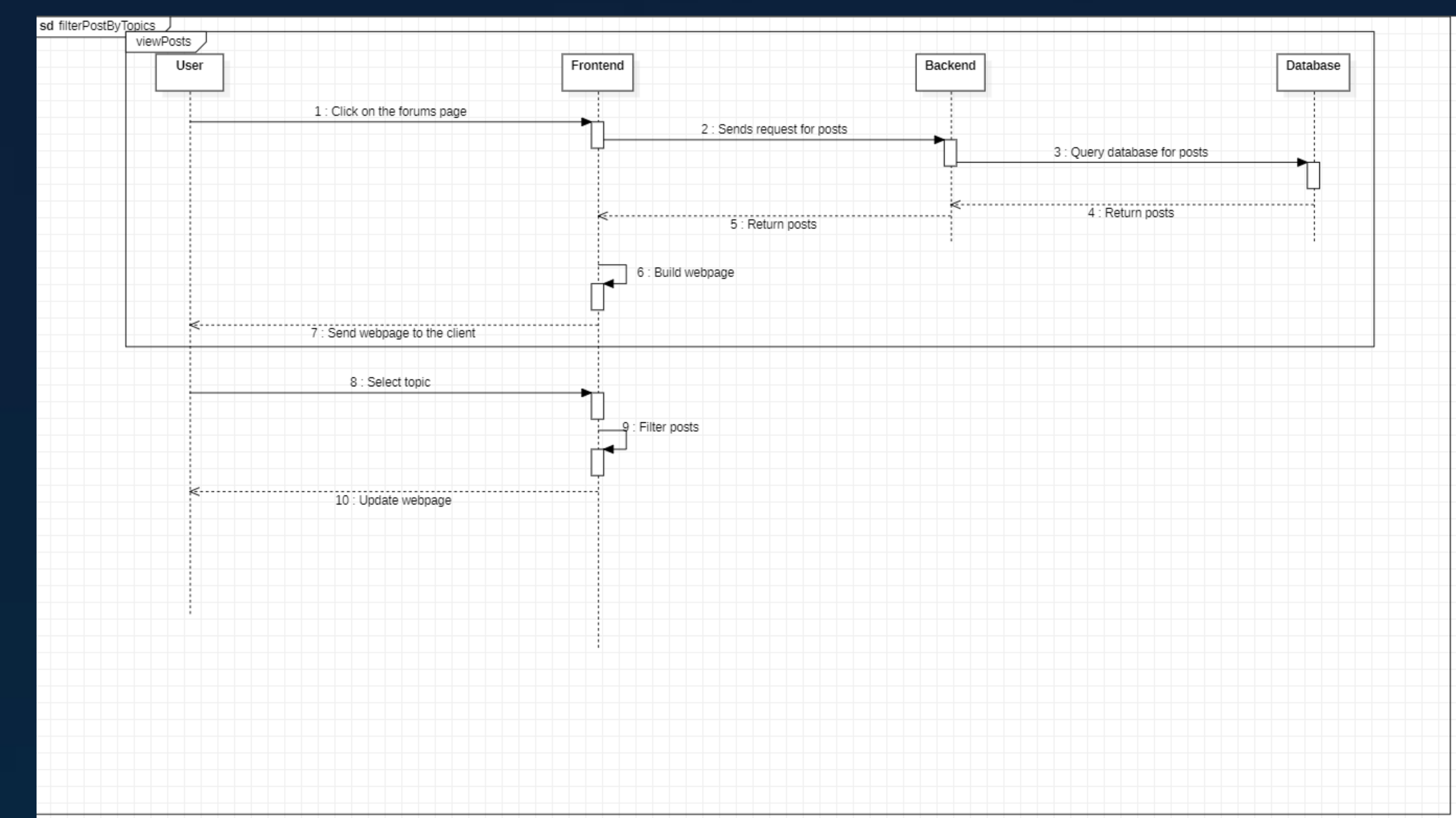
SYSTEM DESIGN



REQUIREMENTS

The requirements for the News page were adding the API to the page. We had to use Django to call the SerpAPI to fetch new data to be then stored in our database.

SEQUENCE DIAGRAM



SUMMARY

Community Connect provides a safe platform for community members to learn about urgent issues, discuss environmental concerns, access critical products, and learn about their consumption patterns. We implemented the News and Forums page using SerpAPI and Django. The data from the news is gathered from the API every 48 hours to be stored in our database. Additionally, for the forums page, we created the database to store the data from the posts and replies as well as implement the functions of the posts and the replies.

IMPLEMENTATION



AXIOS

SerpAPI, Django, Docker, Axios