

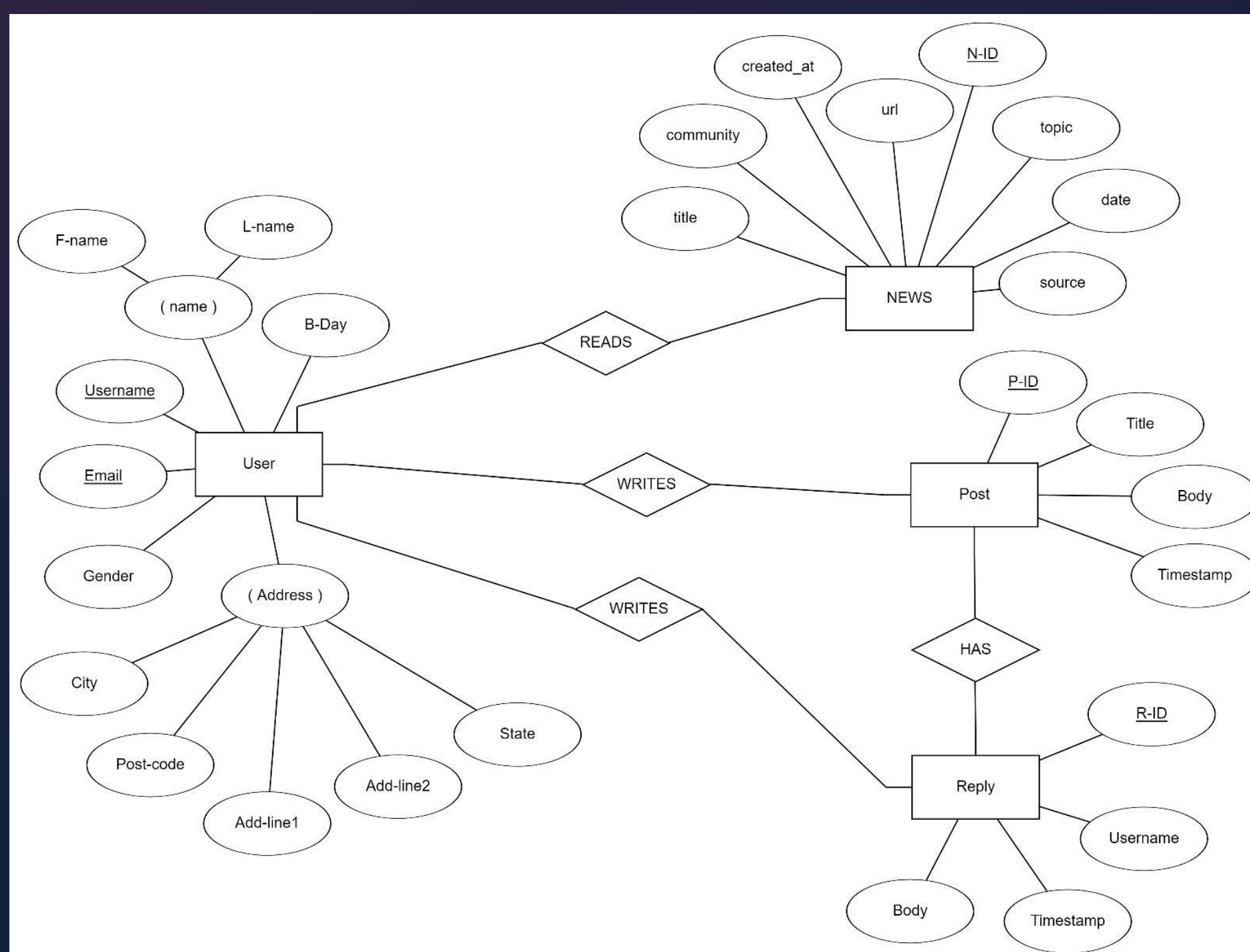


PROBLEM

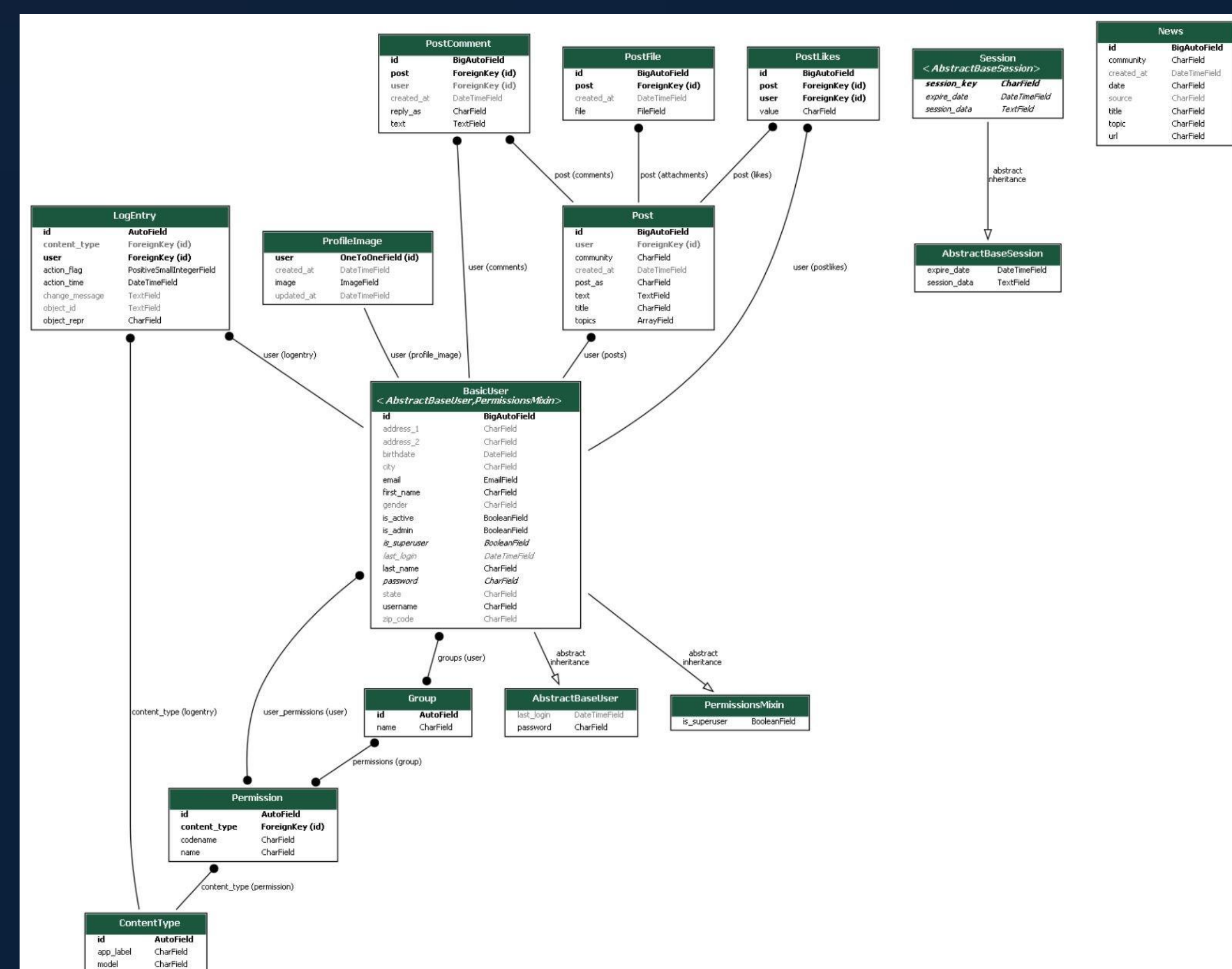
The objective of Community Connect is to be an information exchange platform where users can discuss and find news about specific topics such as energy consumption, sea level rise, rising temperatures, and more.

This semester, the project targeted the implementation of a new API to obtain news that are within the established topics of discussion, and in the Miami area. We also worked on making the forums page functional, allowing users to post anonymously or logged into the website, as well as enhancing the user interface.

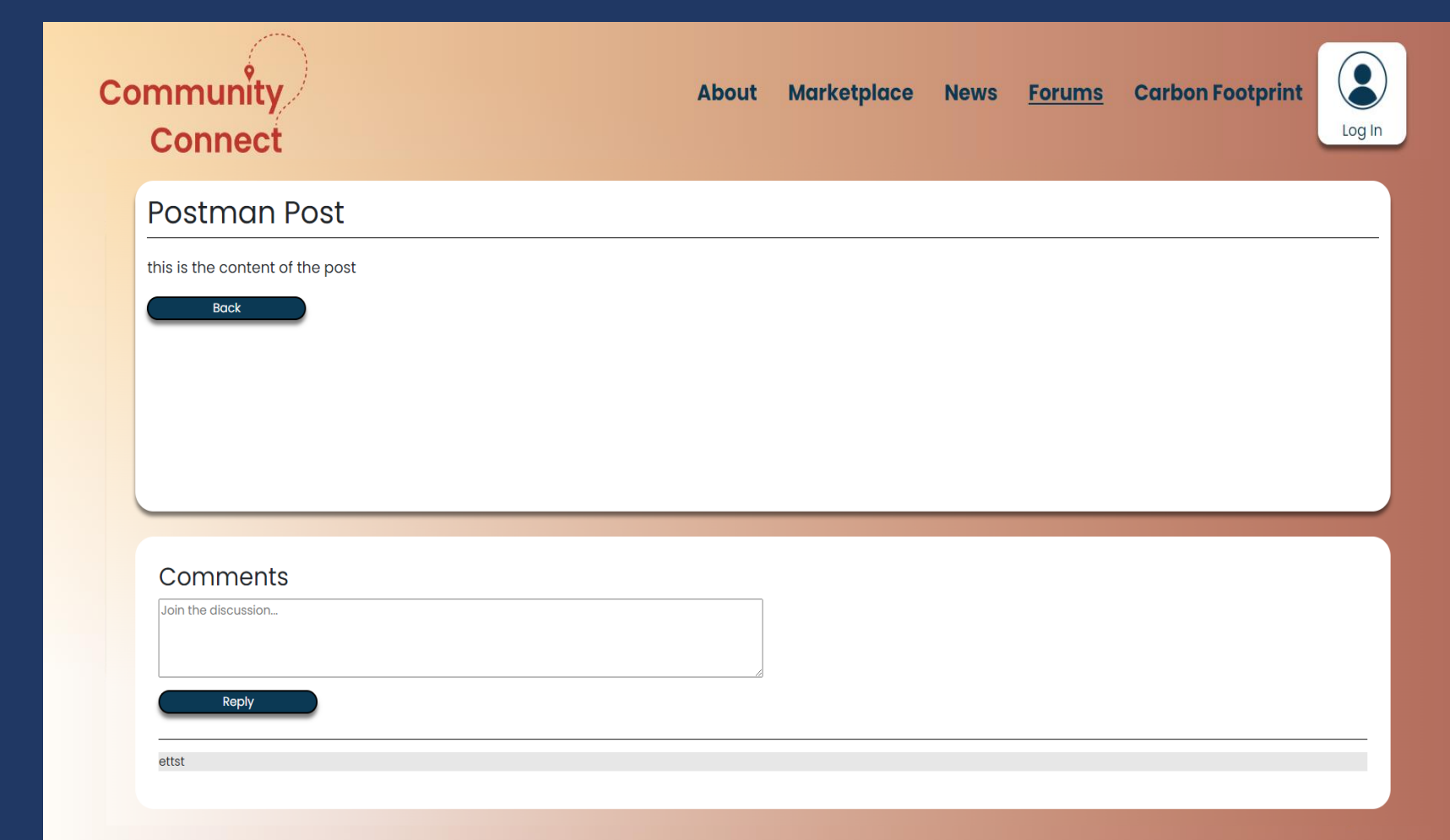
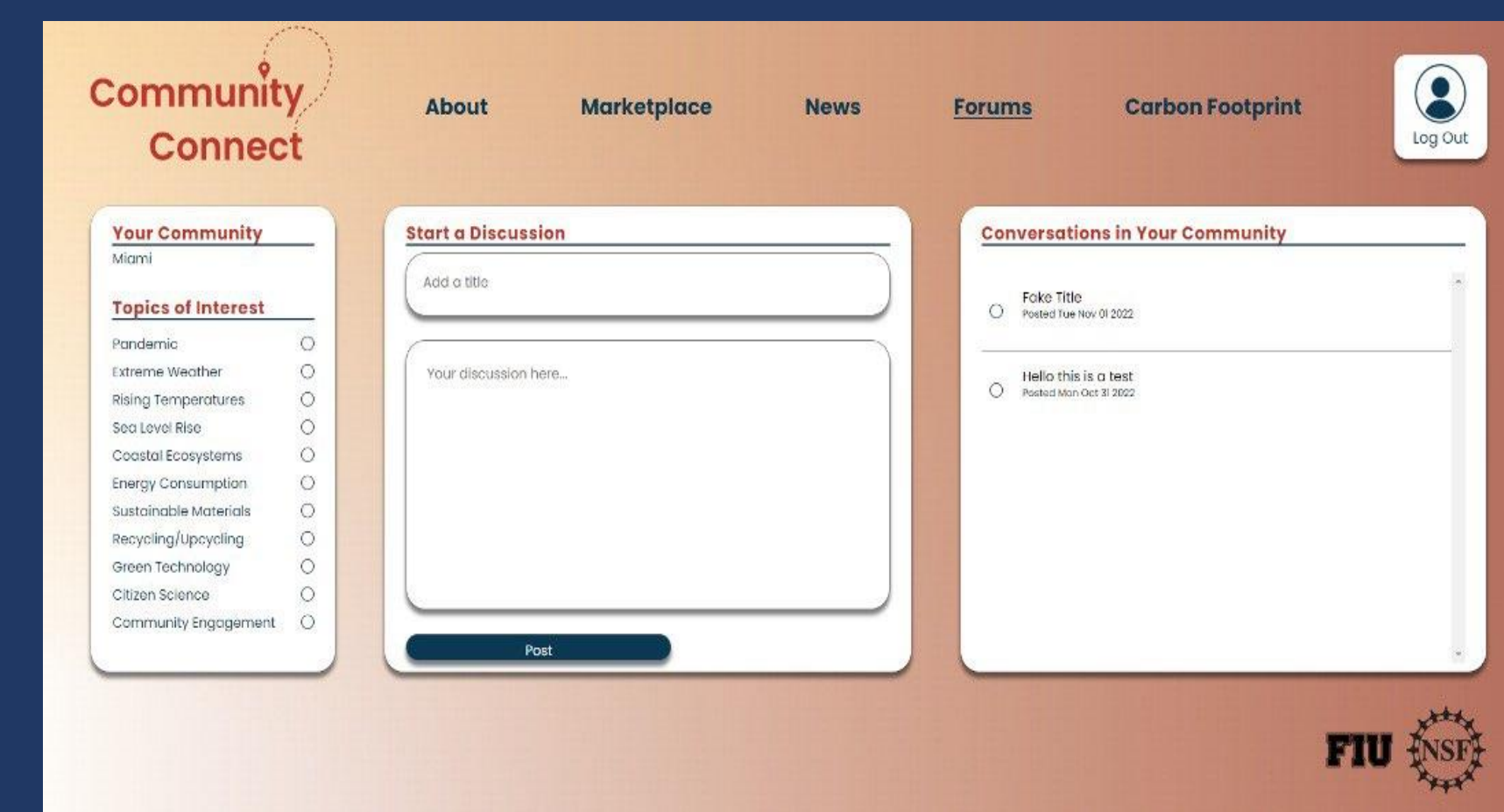
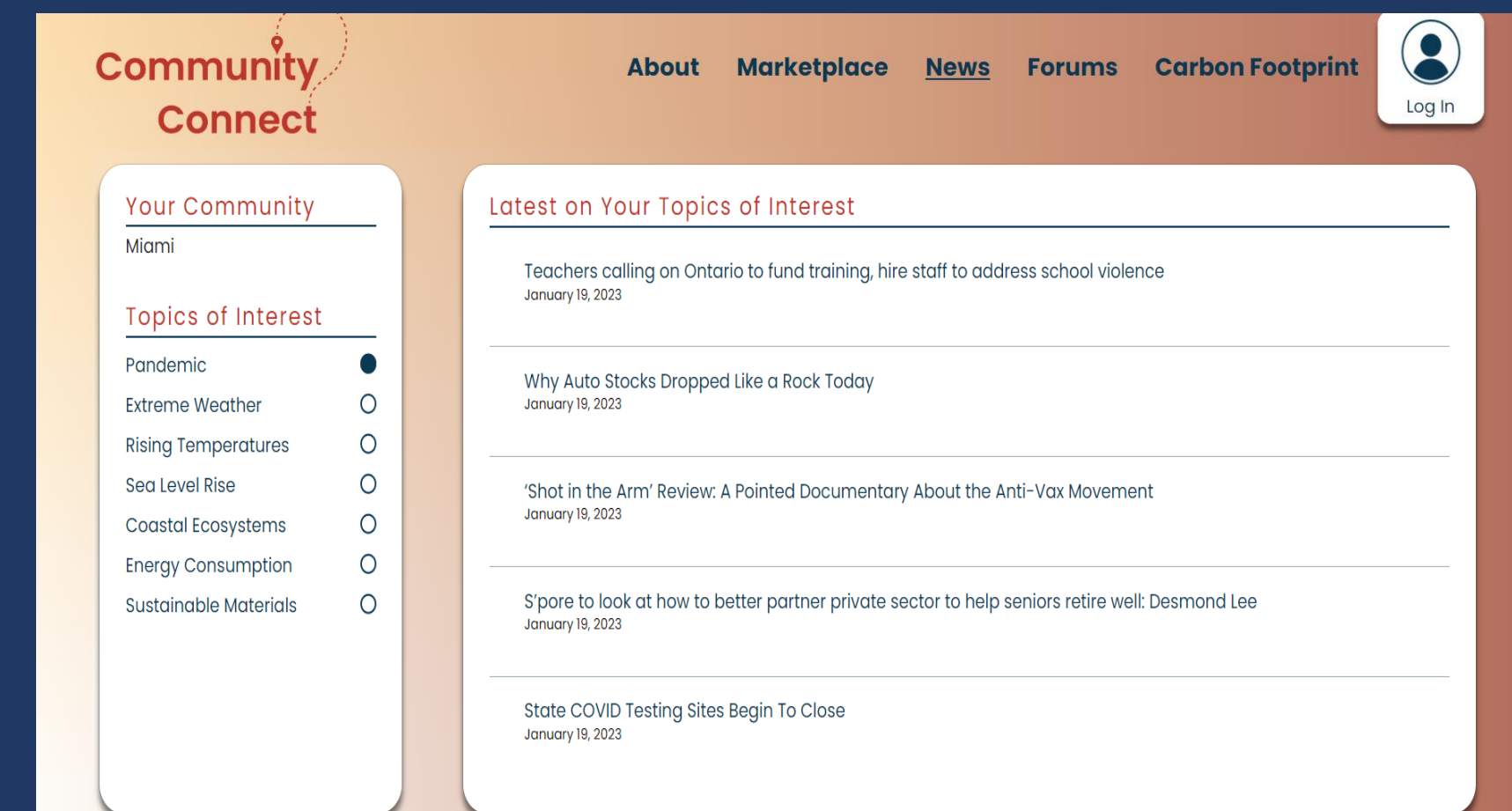
ER DIAGRAM



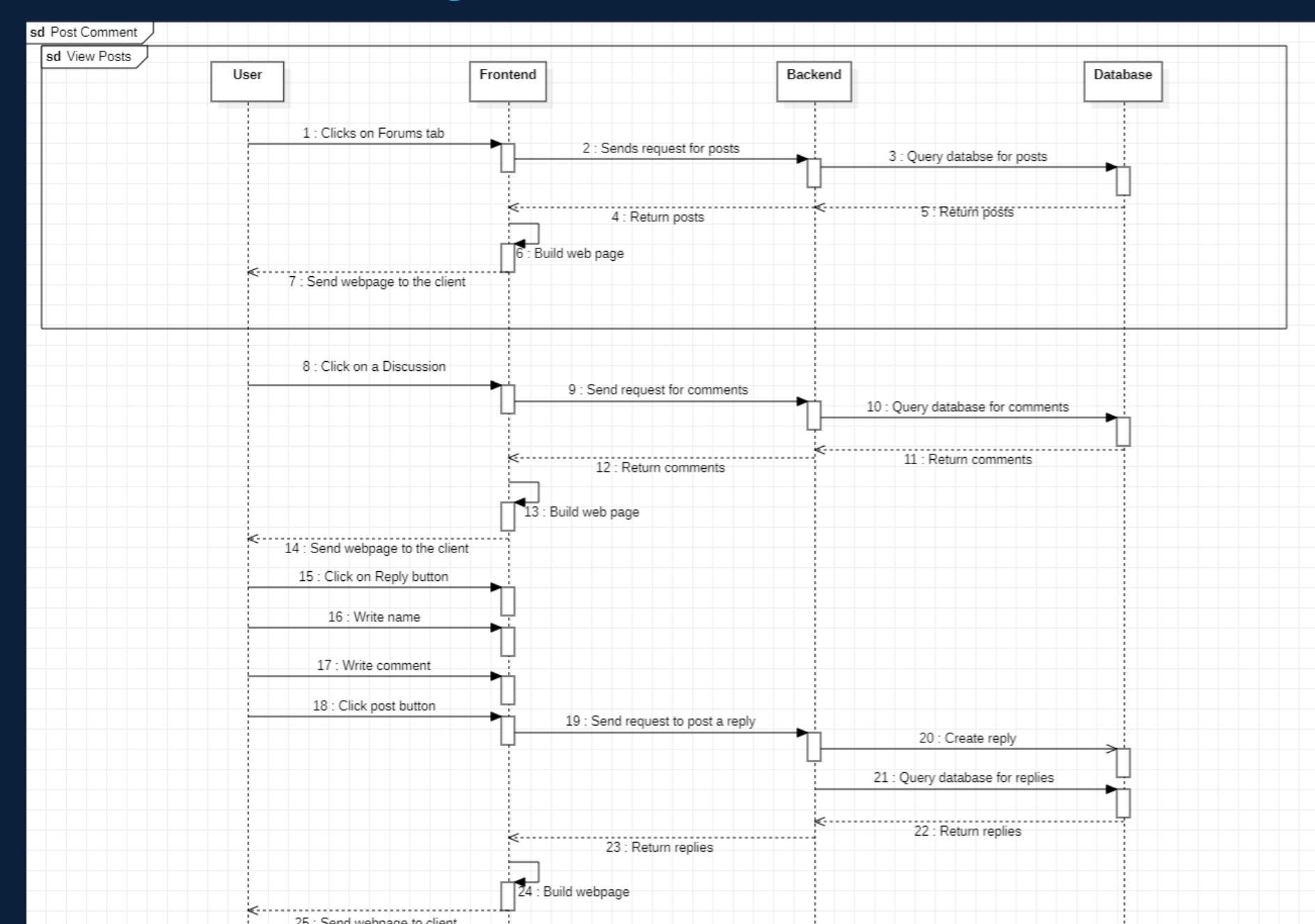
CLASS DIAGRAM



BEFORE

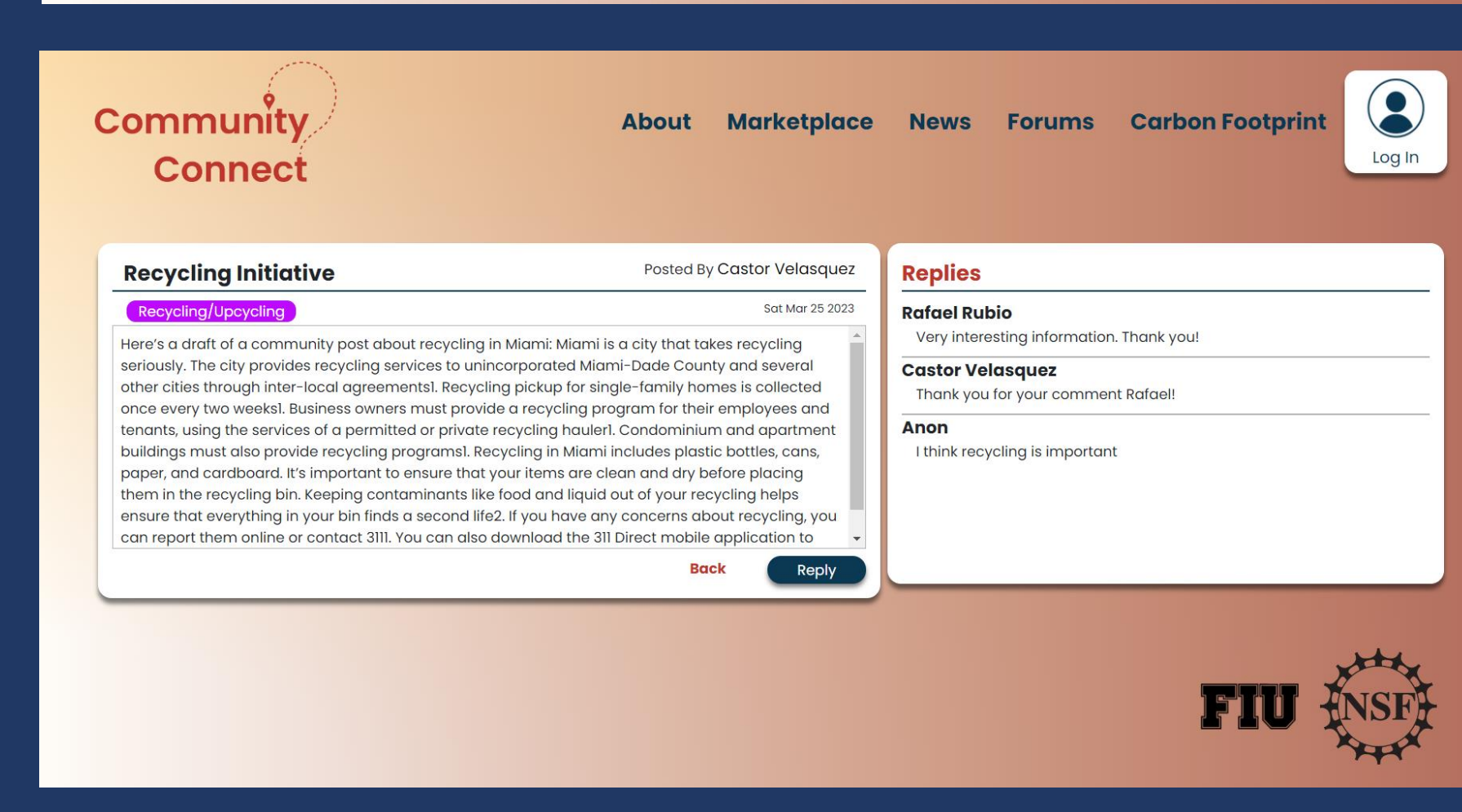
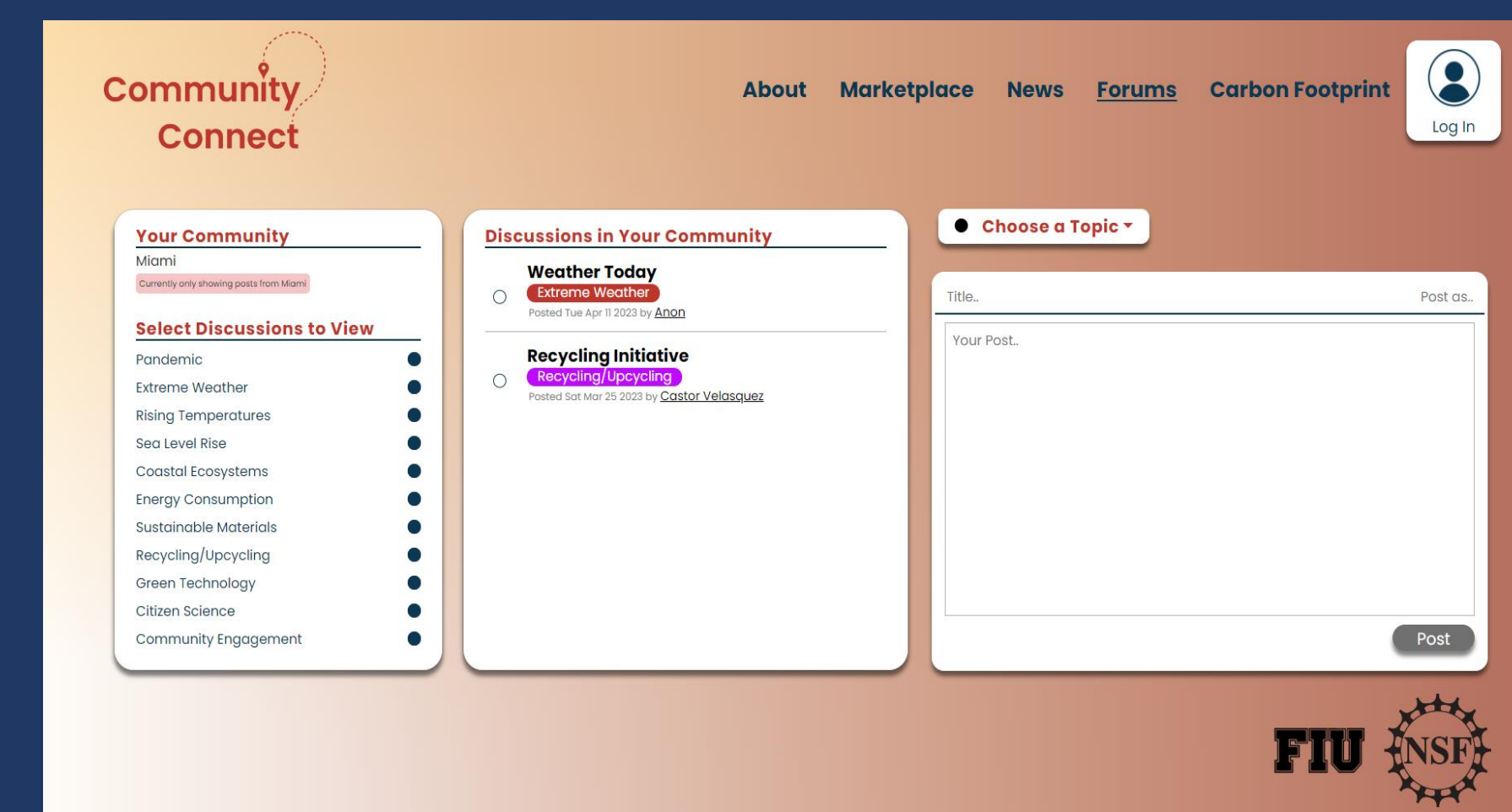
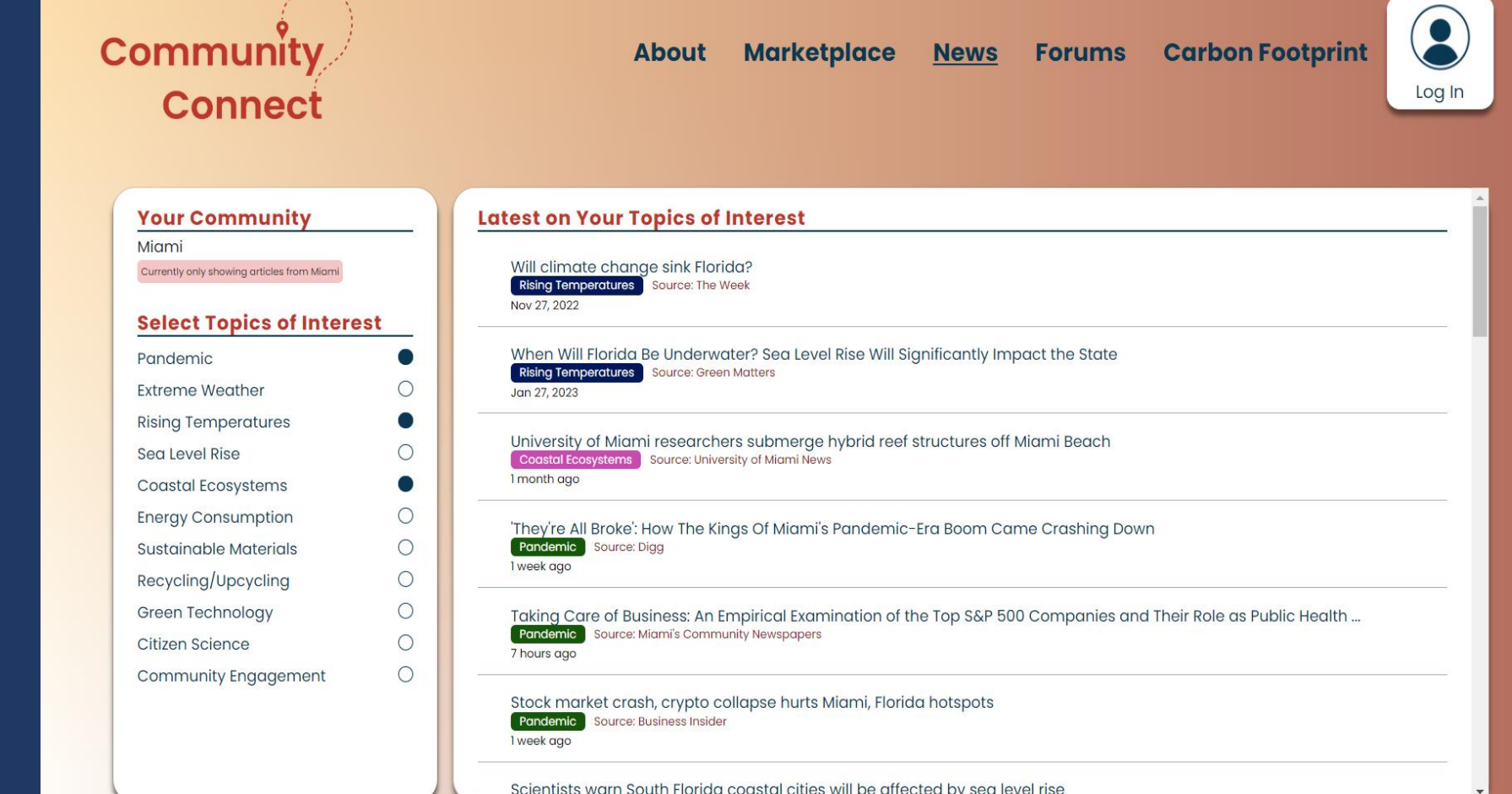


SEQUENCE DIAGRAM



WEBSITE DESIGN

AFTER



REQUIREMENTS

- Make sure news were related to the topics and up to date
- Make sure the news were Miami based
- Allowing users to select multiple topics at the same time in the news page
- Make website responsive to different screen sizes
- Sign up, log in, and log out
- Make sure the forums page was functional and users could reply to other user's comments

IMPLEMENTATION

News page

- Calls are made to the SerpApi every two days and stored in the backend
- When a user accesses the website, the news are fetched from the backend

SerpApi



Forums Page

- The posts made from users are stored in the backend
- Authentication for the posts (which can be bypassed by users) is provided by Django



Screen Size R

- Containers were utilized to achieve responsiveness to different screen sizes

SUMMARY

Over the semester we:

- Implemented a new API that allowed us to obtain news that were related to the selected topics and based in Miami. We restricted our news to the Miami community to limit the number of calls.
- Made the forums page functional, as well as implementing replies to posts.
- Implemented user authentication.
- Improved the website's UI.

