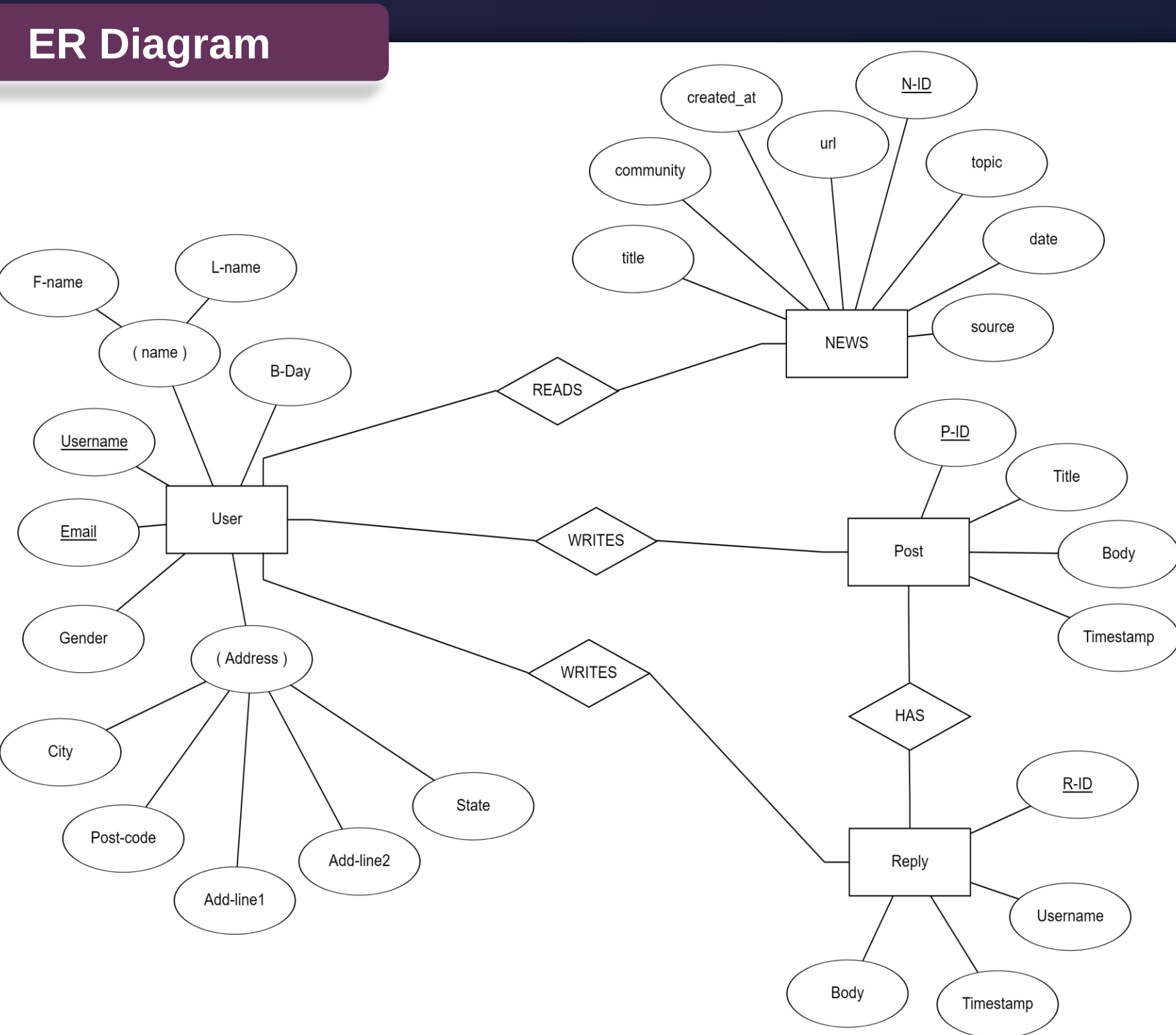


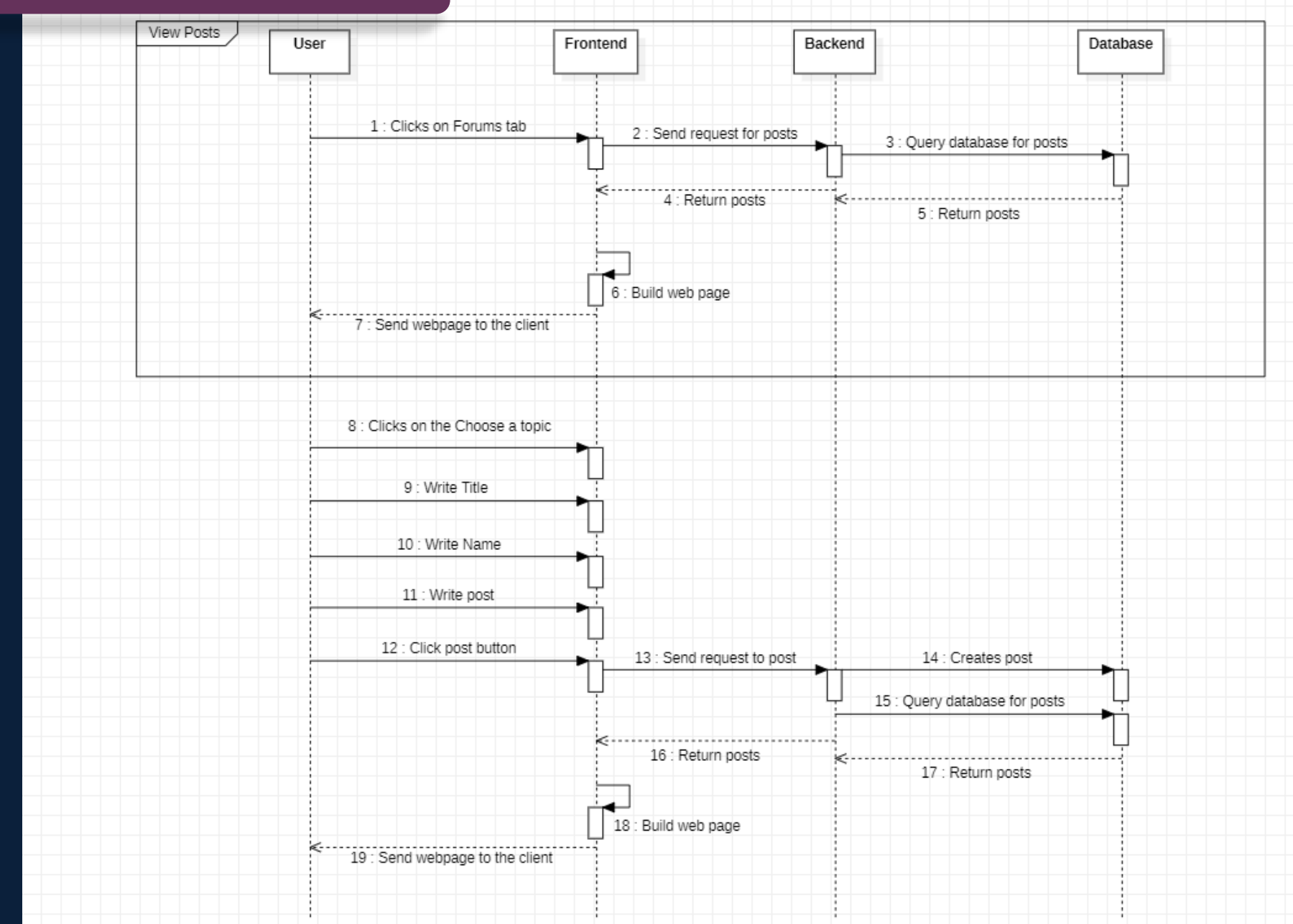
INTRODUCTION

The objective of Community Connect is to bring together discussion, news posts, resources, and communication in the community around specific topics like the coastal ecosystem, recycling, technology, community engagement, and more. This Semester, our team focused on the complete implementation of the news and forums pages.

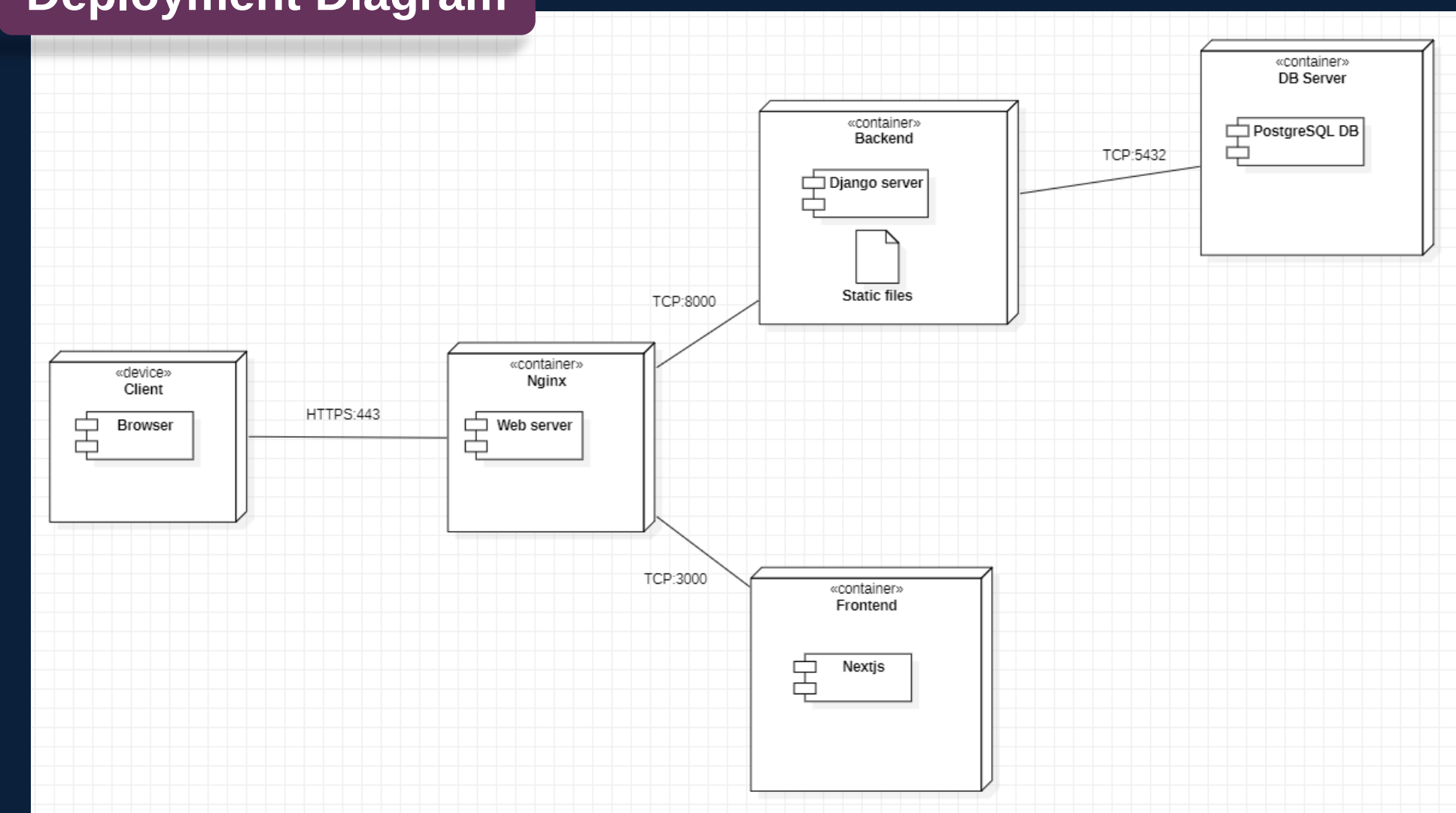
SYSTEM DESIGN



Sequence Diagram



Deployment Diagram

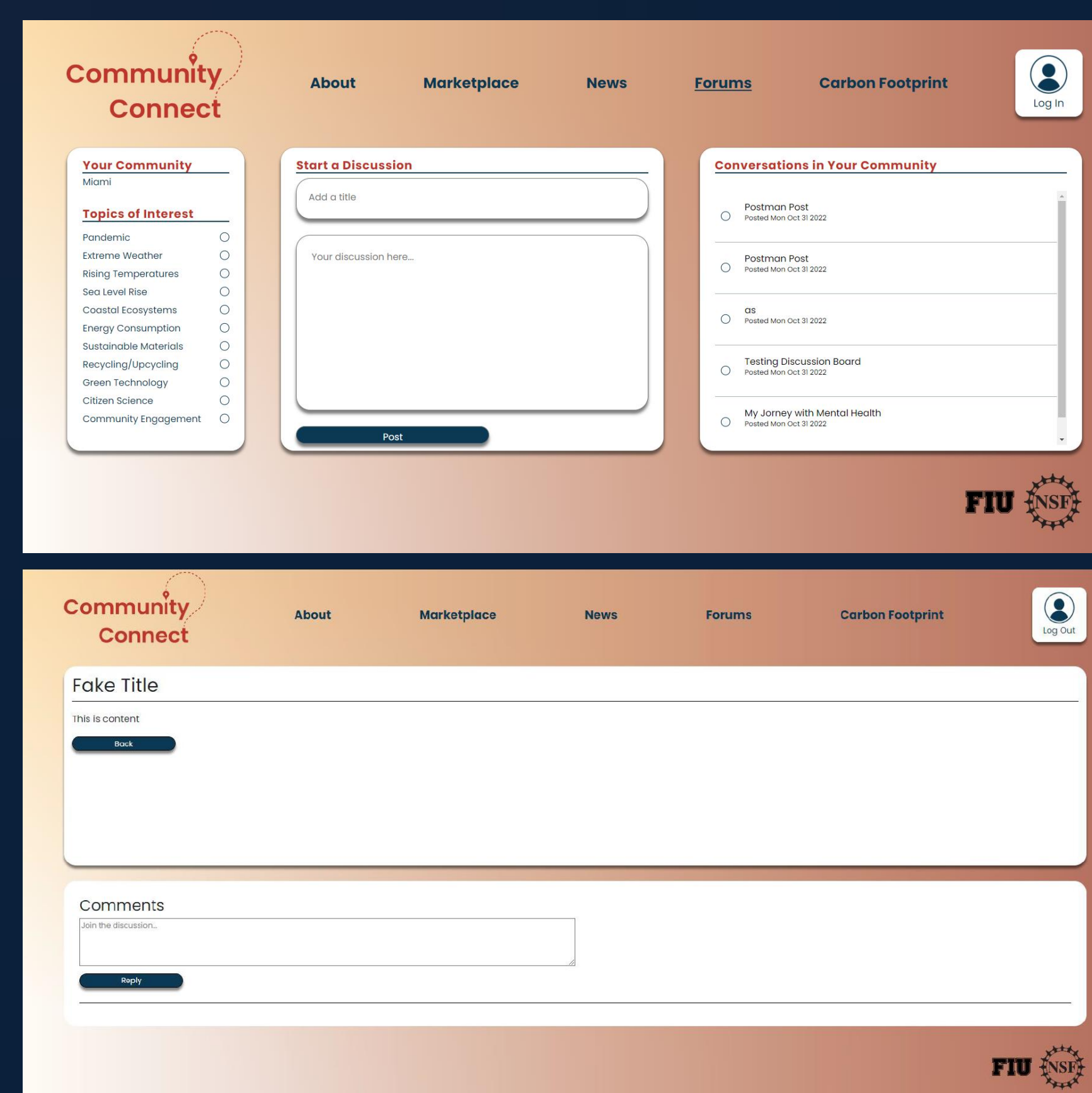


CURRENT SYSTEM

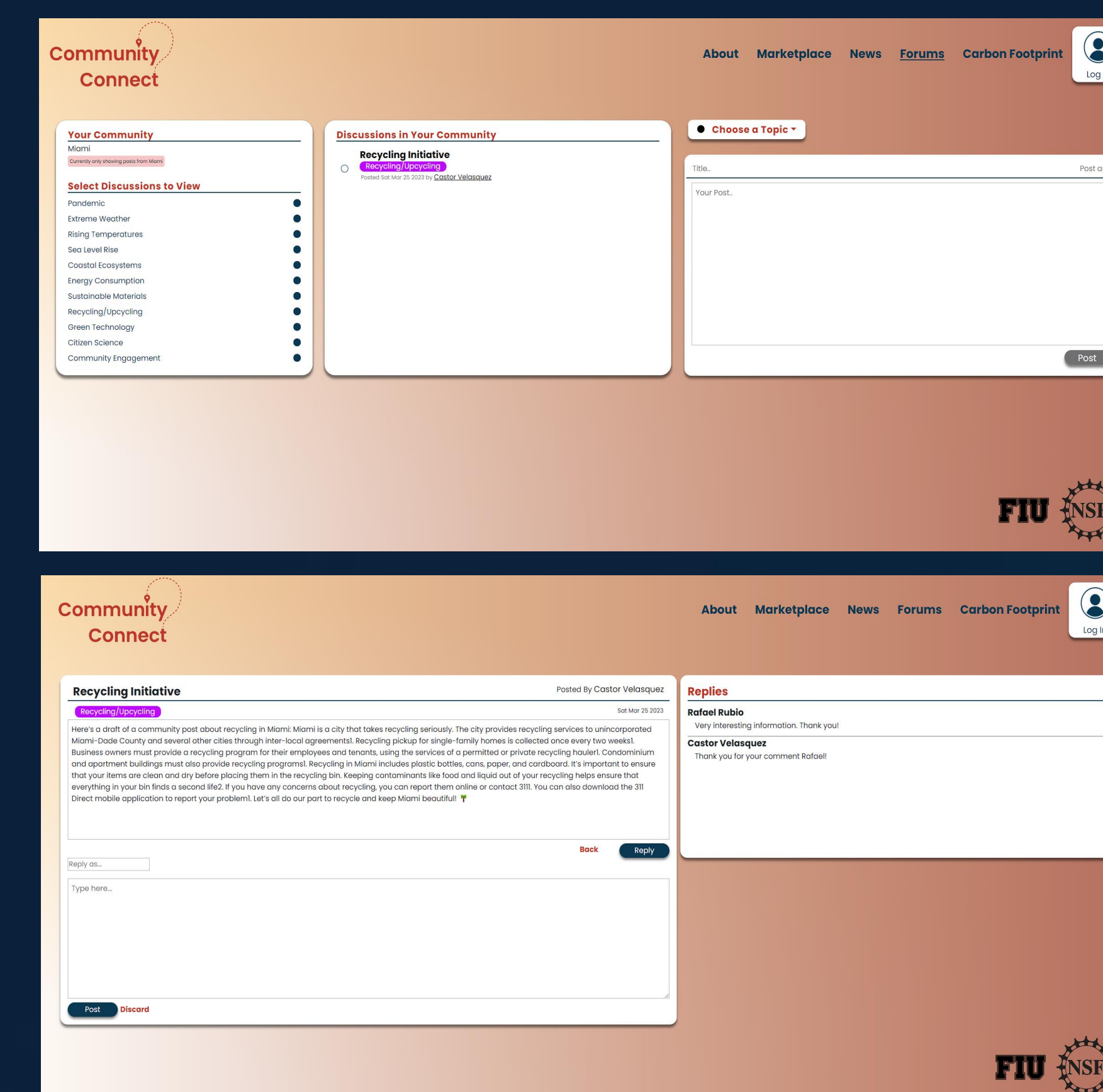
The current system was lacking functionality both in the News and the Forums page. On the news page, not only was the news missing content relevant to the community but many times, the news could not be properly filtered by topics of interest. On the Forums page, we weren't able to read the posts written by users, furthermore, these posts were not saved in the database.

SCREENSHOTS

Old Version



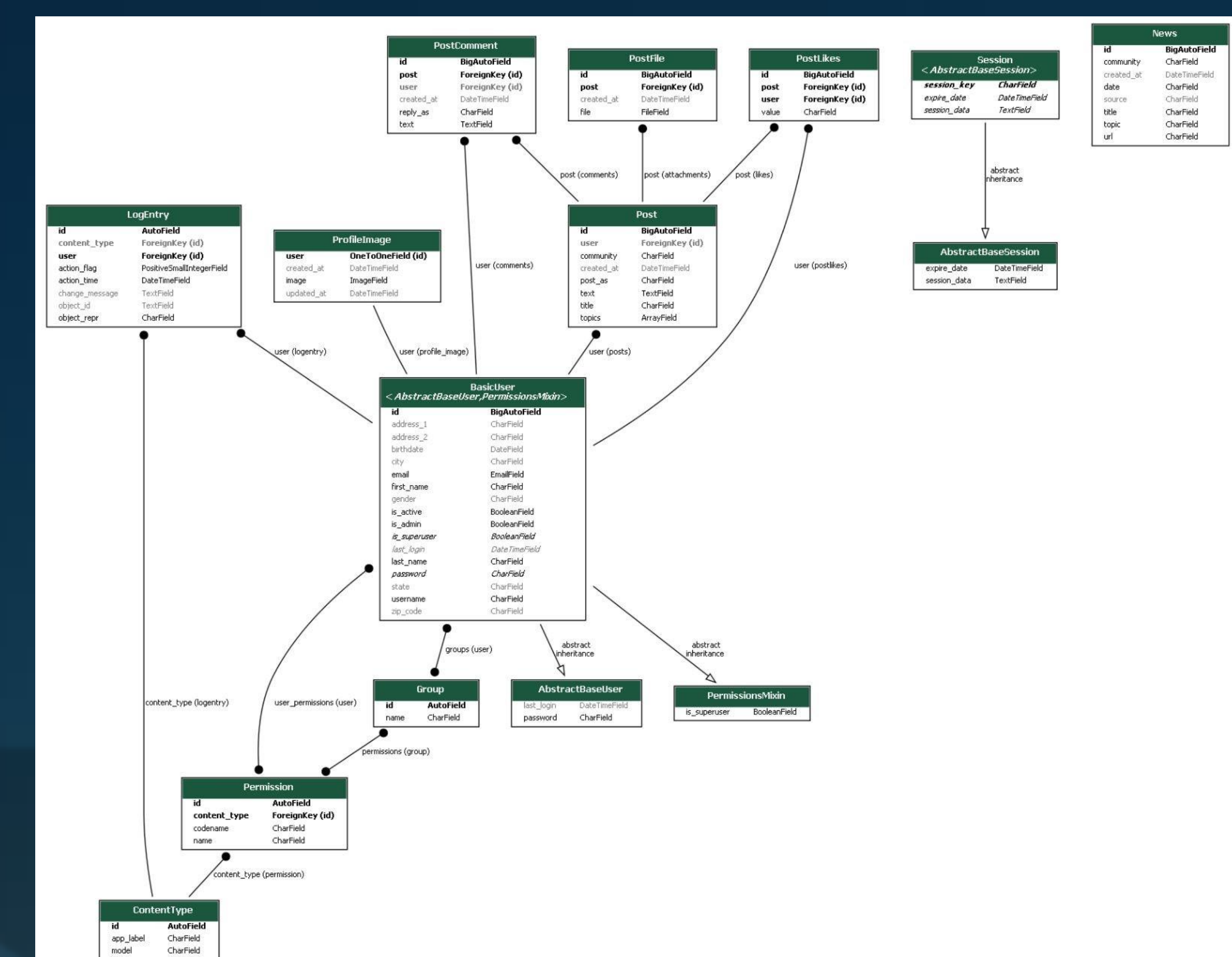
New Version



IMPLEMENTATION

News are stored in the database using API (SerpApi) calls every 48 hours and displayed to the user using react. We stored a maximum of 10 news from each topic. We used React to hide and show relevant news to the user according to its topic of interest. User posts and replies are stored in the database using Postgres.

CLASS DIAGRAM



SUMMARY

- Implemented a completely new way to retrieve, store, and update news in the backend.
- Better visualization of news and addition of tags depending on the selected topic.
- Addition of new functionalities on the forums page.
- Improvements in the visualization of cards throughout the whole website.

