

Community Connect

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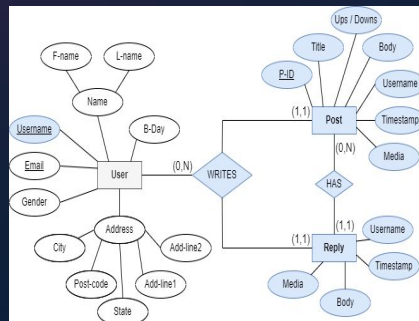
Mentor: Shahin Vassigh (Instructor), Biayna Bogosian (Instructor)

Instructor/Faculty: Dr. Masoud Sadjadi,, Florida International University

PROBLEM

Community Connect is a place for members to share news and resources regarding community events. The goal this semester was to make the website more robust by adding a fully functional forum where users could post comments and replies. Moreover, we improved traffic handling by increasing the limit of local news that the website can display to users by incorporating a News API

SYSTEM DESIGN

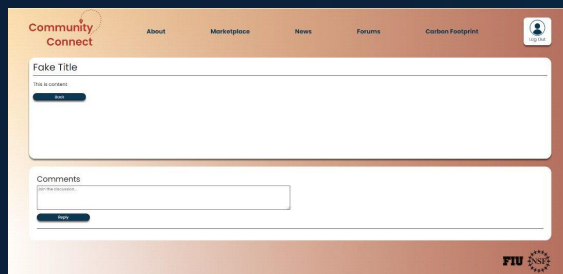
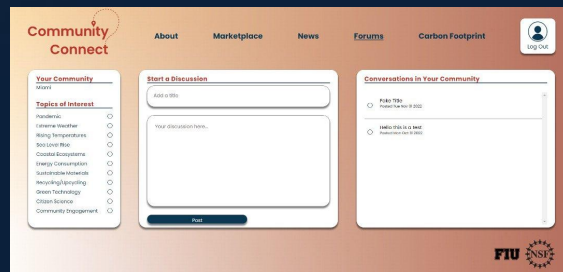
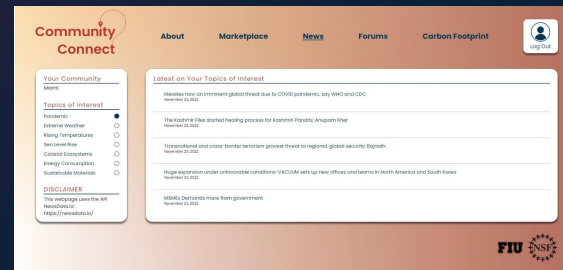


The core design is to be scalable, have consistent availability, and be reliable for all end users. We do this using FIU resources to host the forum.

VERIFICATION

Website was able to be successfully tested locally on Google Chrome, Firefox, and Microsoft Edge using MacOS, Windows, and Linux

SCREENSHOTS



CURRENT SYSTEM

Backend code, frontend code, and API endpoints inside a docker container. The APIs are used to fetch recent news on related topics, the topics may be filtered. Using react state management comments are posted in the front end, and made permanent thanks to the database.

REQUIREMENTS

- Allow users to post comments in forums, where data posted is persistent.
- Allow users to filter articles of different key topics.
- Allow users to read complete articles.
- Allow users to sign in and log out.

IMPLEMENTATION

Python: Django Framework
 Mediastack API
 JavaScript: React
 JavaScript: NodeJS
 NextJS
 GitHub
 PostgreSQL Database
 Docker
 Axios

SUMMARY

Throughout the semester, the team added a news api to provide a constant supply of local news to users. Team also worked to add a working comment section, which required expanding the backend through PostgreSQL. This all allowed for a better user experience, further serving our goal of connecting people in the local community.

ACKNOWLEDGEMENT

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