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School of Computing and Information Sciences

Fall 2022 Senior Design Project

Community Connect

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PROBLEM

The previous version of the Community Connect Website made improvements in graphic design but lacked a lot of the core functionalities that would make the website useable. The News page could not bring users to relevant news articles and the forum page was unresponsive to new posts or comments.

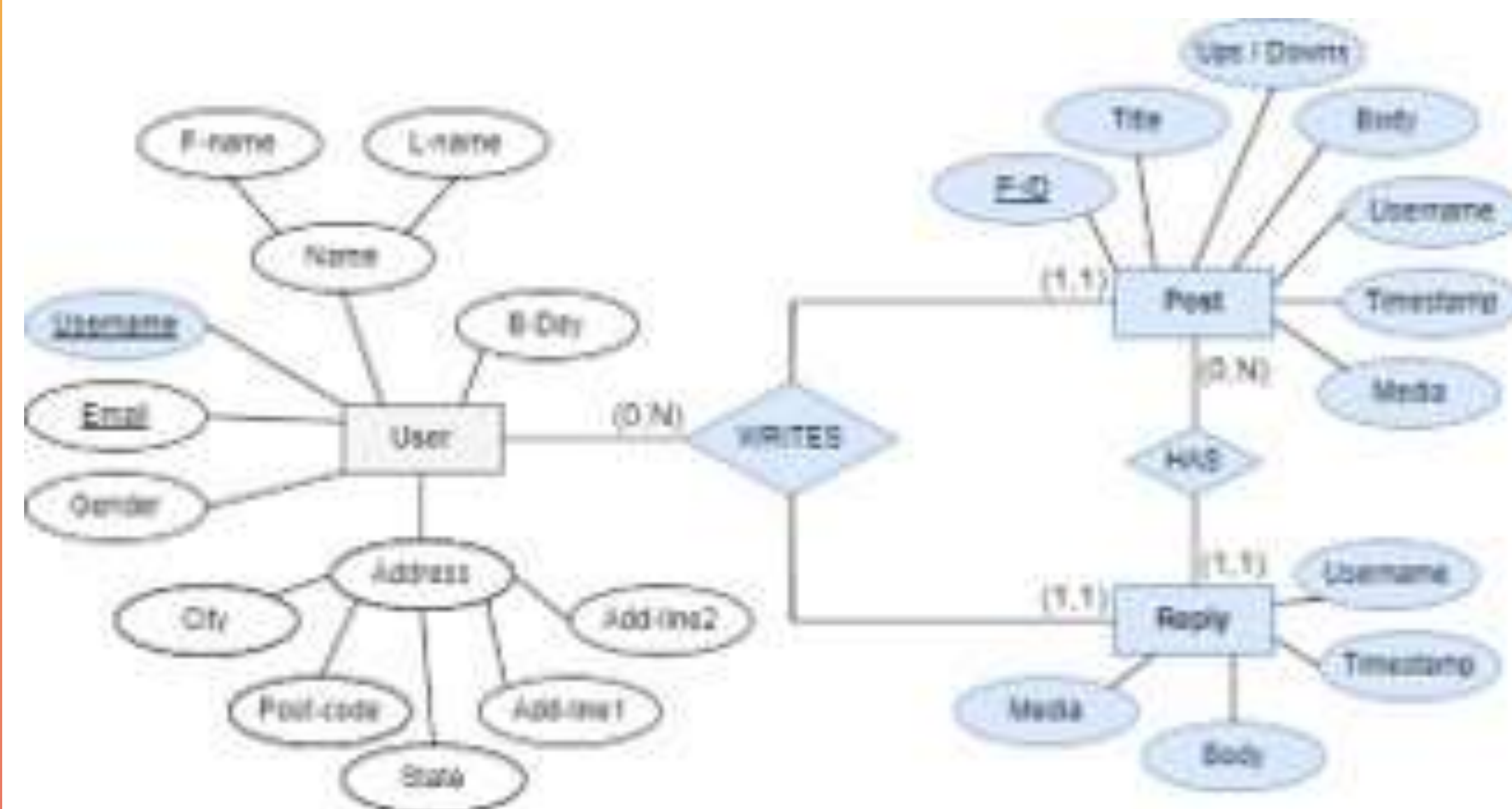
CURRENT SYSTEM

The Community Connect website now takes advantage of the user facing design to provide more of the core functionalities. The system takes advantage of a different News API to pull articles from the internet at no cost to the project managers. The backend design has also been revamped to store all the data necessary for a fully functional forum page. The News and Forum pages now have the functionalities to work as intended.

REQUIREMENTS

Accessing the Community Connect website simply requires an internet connection and an updated internet browser. Users have the option to sign up to the website using an email.

OBJECT DESIGN



SUMMARY

Throughout the semester, our team has contributed to the Community-Connect Website and modified it based on criteria given to us by our product owners, Shahin Vassigh and Biayna Bogosian. Our main focus was the continued development of the News page and Forum page. These two parts of the website were critical to providing a great user experience and ensuring users would return to interact with the site. We're proud of the progress that has been made this semester and we're excited to see future developments.

IMPLEMENTATION

- NewsData API was used to display news articles
- Django models were used to create backend databases. These databases stored user's data and forum page data
- Django models Other tools used for this project were React, Docker, PostgreSQL, Python, JavaScript, and Git

VERIFICATION

The website locally tested to ensure it can be run on multiple internet browsers including Google Chrome, Firefox and Microsoft Edge. The website will work using Windows, MacOS, and Linux

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