



Knight Foundation School of Computing & Information Science

Summer 2024 Senior Design Project (Capstone II)

Weather App

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Technologies Used:

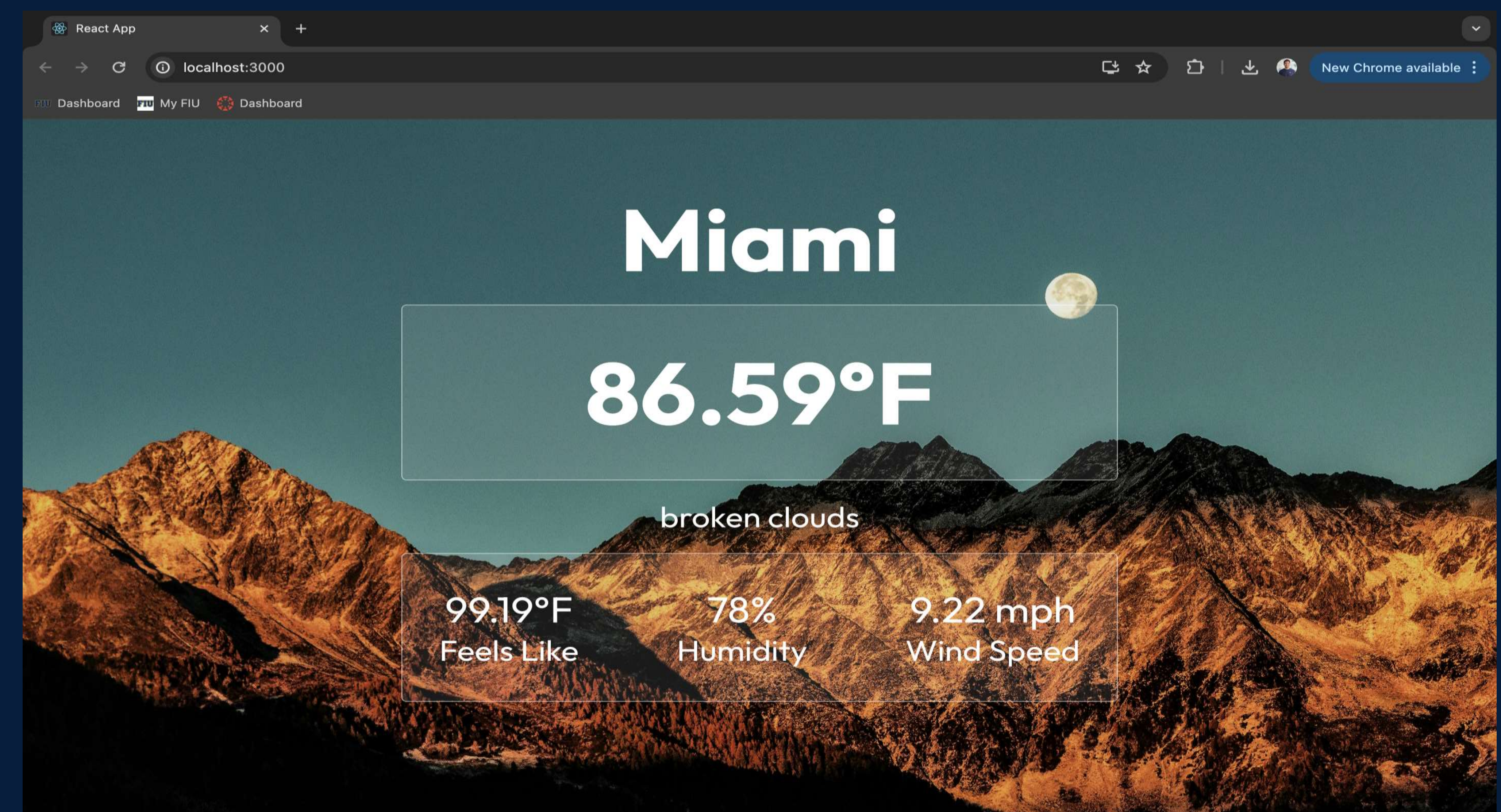
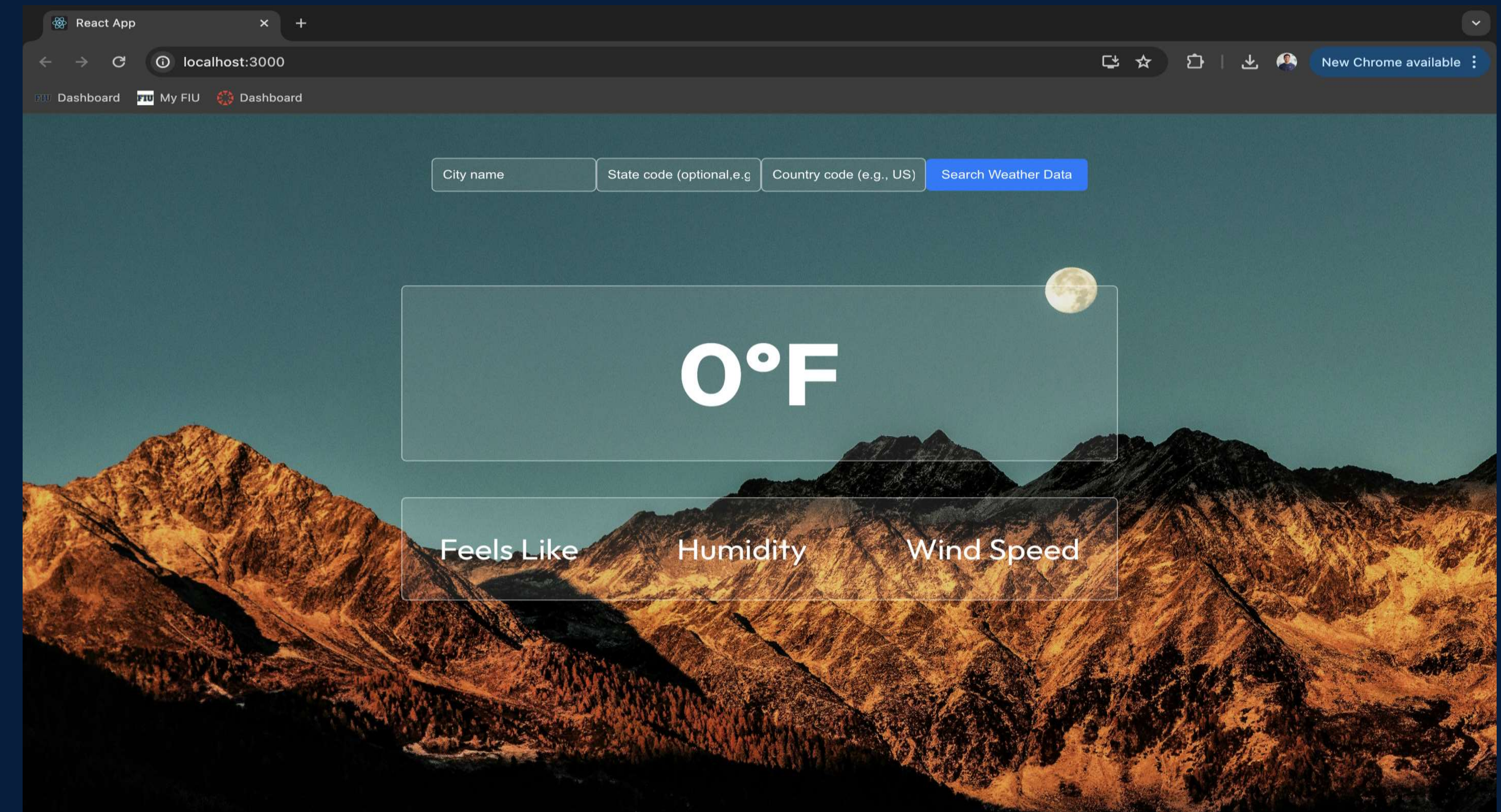
- VisualCode
- JavaScript
- HTML
- CSS

What is the the weather app?

The application is constructed using React, leveraging its capabilities to build the website. Developed in Visual Studio Code, it employs JavaScript, CSS, and HTML since React is a JavaScript library. Data retrieval is facilitated through the OpenWeather API, which requires an API key obtained upon subscription. This key enables the API to access and provide real-time weather data for the application.

Summary

This weather application allows users to input a city name, optional state code, and country code to fetch real-time weather data from the OpenWeatherMap API. Users can easily access current weather conditions, including temperature, weather description, feels-like temperature, humidity, and wind speed. The application provides a simple and intuitive interface, ensuring that users receive accurate and up-to-date weather information for any specified location. By leveraging the OpenWeatherMap API, the app delivers a seamless experience for users looking to check the weather in different regions worldwide.



[1] Current weather data - openweathermap. (n.d.-a).

<https://openweathermap.org/current>

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ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by XXXXX (name of the project sponsor: federal, state or local government, or corporate partners, where applicable). We/I thank XXXX for his/her/their assistance and mentorship that I/we received throughout the senior design project.

