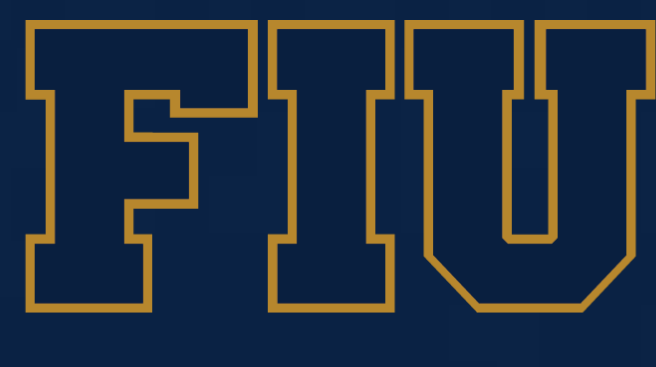
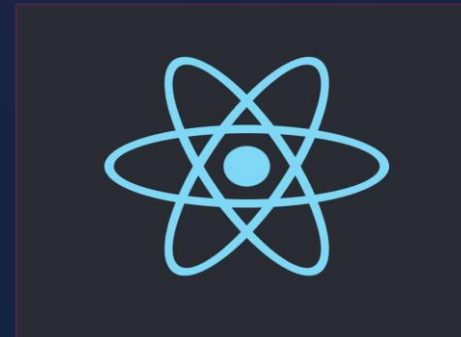




Knight Foundation
School of Computing
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Knight Foundation School of Computing & Information Sciences

Summer 2024 Senior Design Project (Capstone II)

Weather App (U.I. Development)

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PROBLEM STATEMENT

Life is full of surprises, and weather can throw a wrench into our plans when we least expect it. Whether it's canceling a much-anticipated beach day or scrambling to adjust travel plans, not knowing the weather in advance can be a real headache.

To help people stay one step ahead, our team has built a user-friendly weather forecast website that delivers real-time updates. This way, users can make informed decisions and plan their activities without the constant worry of unexpected weather changes.

IMPLEMENTATION

Our application is developed with **React**, a robust library for building dynamic and responsive web interfaces. The coding is carried out in **Visual Studio Code**, utilizing **JavaScript**, **CSS**, and **HTML**, since React is fundamentally a JavaScript library. To obtain weather data, we use the **OpenWeather API**. By subscribing and providing an API key, the app retrieves real-time weather information through the API's endpoints.

PROJECT DEMOS



SUMMARY

Our real-time weather forecast website helps users navigate unpredictable weather. Developed with React, JavaScript, CSS, and HTML in Visual Studio Code, it features a dynamic interface. Using the OpenWeather API, we provide up-to-date weather data, enabling users to make informed decisions for their daily plans.

ACKNOWLEDGEMENT

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