



**Knight Foundation
School of Computing
and Information Sciences**

Knight foundation School of Computing & information Sciences 2024 Capstone II Summer Senior Design Project

Weather Application

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The Issue

Weather is a major influencer in our daily lives, it affects our decision making, activities and many other daily tasks. However, the weather is constantly changing. Staying knowledgeable on the current weather can sometimes save a person's life. For this reason, my team and I decided to create a simple weather app. While many websites already exist, most of them require a subscription to get most of the information. Others have constant annoying advertisements that distract the user. Our team decided that our app would not contain any ads or subscriptions. The user simply needs to input the location and the website will display the information needed.

Summary and Implementation/ Duties

App summary

The application was developed in Visual Studio Code and many language models were used to develop it. React and node.js were used to display the website in a local host.

Duties

As an organizer, I mainly needed to get myself familiarized with JavaScript. At first, we had the user input latitude and longitude numbers, as an organizer I brought the idea that it would be hard for people to input. We decided instead to create an UI that just asks for location, city code, and country code

Application components

- JavaScript, CSS, and HTML – Language models used to develop the app
- A react library to build a working website
- OpenWeather's API, to provide the information on the weather
- GitHub/GitHub Desktop were used to collaborate with team members
- The application was developed in Visual Studio Code



Code sample and demo

