

Assignment: Build a Weather Application

Requirements:

- The application should allow users to search for the weather conditions in a specific location.
- The application should display the current weather conditions, temperature, and humidity for the selected location.
- The application should have a user interface that is responsive and works on both desktop and mobile devices.
- The application should use an API to retrieve weather data.
- The application should be built using a front-end framework such as React, Angular, or Vue and a back-end framework such as Laravel, Django, or Spring boot.
- The application should be hosted on a cloud-based platform such as AWS, Google Cloud, or Azure.

Instructions:

- Choose a front-end framework and a back-end framework to use for the project.
- Build the user interface of the application using the front-end framework. Include a search bar where users can enter a location, and display the weather conditions, temperature, and humidity for that location.
- Build the backend API of the application using the back-end framework. Include an endpoint to retrieve weather data from an external API.
- Connect the front-end and back-end of the application using HTTP requests.
- Test the application thoroughly to ensure that it works as expected.
- Deploy the application to a cloud-based platform.

Submission:

- Submit the source code for the application on a version control system such as Git.
- Include a README.md file with instructions on how to run the application.
- Deploy the application to a cloud-based platform and provide the URL.

Note: This assignment is designed to test your skills in building a full-stack web application that interacts with external APIs. We are looking for clean and efficient code, attention to detail, and the ability to work with both front-end and back-end technologies. Good luck!