# 06 Server-Side APIs: Weather Dashboard

Developers are often tasked with retrieving data from another application's API and using it in the context of their own. Third-party APIs allow developers to access their data and functionality by making requests with specific parameters to a URL. Your challenge is to build a weather dashboard that will run in the browser and feature dynamically updated HTML and CSS.

Use the [OpenWeather API](https://openweathermap.org/api) to retrieve weather data for cities. The documentation includes a section called "How to start" that will provide basic setup and usage instructions. Use `localStorage` to store any persistent data.

## User Story

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AS A traveler

I WANT to see the weather outlook for multiple cities

SO THAT I can plan a trip accordingly

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## Acceptance Criteria

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GIVEN a weather dashboard with form inputs

WHEN I search for a city [1. Create search form for city – write last city to local storage – save cities being searched as a history in local storage and append their divs on the UI to be selected again.

THEN I am presented with current and future conditions for that city and that city is added to the search history[2. Create ajax call to pull current and future weather conditions from the city being searched and display that info on the UI]

WHEN I view current weather conditions for that city

THEN I am presented with the:

city name,

the date,

an icon representation of weather conditions,

the temperature,

the humidity,

the wind speed,

and the UV index

Create UI elements to contain all this data returned in the response from open weather

WHEN I view the UV index

THEN I am presented with a color that indicates whether the conditions are favorable, moderate, or severe

WHEN I view future weather conditions for that city [Create a future weather button to display the 5 day forecast]

THEN I am presented with a 5-day forecast that displays the date, an icon representation of weather conditions, the temperature, and the humidity [create a div for each day and replicate it with data for 5 days]

WHEN I click on a city in the search history

THEN I am again presented with current and future conditions for that city

WHEN I open the weather dashboard

THEN I am presented with the last searched city forecast

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The following image demonstrates the application functionality:

![weather dashboard demo](./Assets/06-server-side-apis-homework-demo.png)

## Review

You are required to submit the following for review:

\* The URL of the deployed application.

\* The URL of the GitHub repository. Give the repository a unique name and include a README describing the project.

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