

Weather Forecast Application Documentation

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Batch: November 1st

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This assignment tested the knowledge I have gained so far in the course. It was both challenging and enjoyable to work on this project.

Project File Structure:

- **index.html** – Defines the structure and layout of the webpage, styled using Tailwind CSS.
- **input.css** – Required file for Tailwind CSS.
- **output.js** – Contains the styling logic for the webpage.
- **index.js** – Handles the dynamic functionality of the webpage.

Functionalities:

- When a city name is entered in the input box, the app fetches weather data from an API.
- If the city is not found, an alert message "**City not found**" is displayed.
- If the city is available, the weather data is retrieved and displayed in the respective containers.
- A **5-day weather forecast** is shown alongside the current day's weather.
- If the search box is empty and a request is made, an error message is displayed.
- Clicking "**Use Current Location**" fetches and displays weather data for the user's current location.
- Recently fetched data is stored locally, and city names appear in the "**Recent Searches**" dropdown.
- Selecting a city from "**Recent Searches**" instantly displays its weather data since it is already stored locally.
- The webpage is **fully responsive** across different screen sizes.
- Comments are added to the codes.