**TITLE:** CodTech IT Solutions Internship - Task Documentation: “Weather App” Using CSS, HTML, JAVASCRIPT.

**INTERN INFORMATION:**

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**INTRODUCTION**

Weather apps are a useful tool for users to stay informed about current weather conditions and make better decisions based on that information. Weather apps collect data from various sources, including ground-based weather stations, satellites, and radar, and then process that data to present it to users in a user-friendly format. This project aims to further innovate in this space by developing a Weather application utilizing the power of modern web technologies: JavaScript, HTML, and CSS.

Weather apps can give urgent alerts too. Undoubtedly, weather forecasting has come a long way, helping people to know about weather conditions. So, if you are in an area where weather frequently changes from sunny to torrential rain in a matter of minutes, then what is the easiest way to make sure to be prepared for. Despite the availability of numerous applications in the market, there remains a considerable opportunity to create a more intuitive, user-friendly, and flexible tool that caters to the varied needs of users. This project is driven by the vision to harness the capabilities of JavaScript and the versatility of web technologies to deliver a superior task management experience.

**Implementation**

* JavaScript Framework: Utilize a modern JavaScript framework for building the frontend application.
* HTML/CSS: Use HTML5 and CSS3 for structuring and styling the user interface, ensuring compatibility with various web browsers.
* Responsive Design: Implement responsive design principles to ensure optimal viewing experience across desktop and mobile devices.
* User Interface Components: Utilize UI libraries for designing interactive and visually appealing components.

**CODE EXPLAINATION**

**HTML Structure:**

<div class="containerr">: Acts as the main container for the web application, wrapping everything in it..

<div class="box">: Encloses the Weather Report title, form and a <div id=”weatherdetails” itself, providing a centered, stylized container for the app components.

<h1>To-Do List</h1>: The title for the application.

Form: Contains the text input field and the Enter button. Users can type city andget weather details.

<div id=”weatherdetails”>: The div wheredetails will be displayed .

**CSS Styling:**

The CSS styles define the look and feel of the to-do list, applying a gradient background, styling the input fields, buttons, and tasks.

Key styling includes:

Global styles are applied to set margin, padding.

Video is running in the background.

The application is centered on the page with a width of 40%.

Input Fields and buttons are styled for a seamless interface, with hover effects for interactivity.

The form and .waetherdetails are styles to center the content and apply specific background colors and paddings.

Details (p) elements have distinctive styles.

Components like input box and buttons have specific styles for appearance, hover effects and when a task is marked as completed.

**JavaScript Functionality:**

The JavaScript adds dynamic behavior to the weather app, covering city name,Temperature,Pressure,Humidity,Windspeed,Description,Longitute and latitude .

**USAGE**

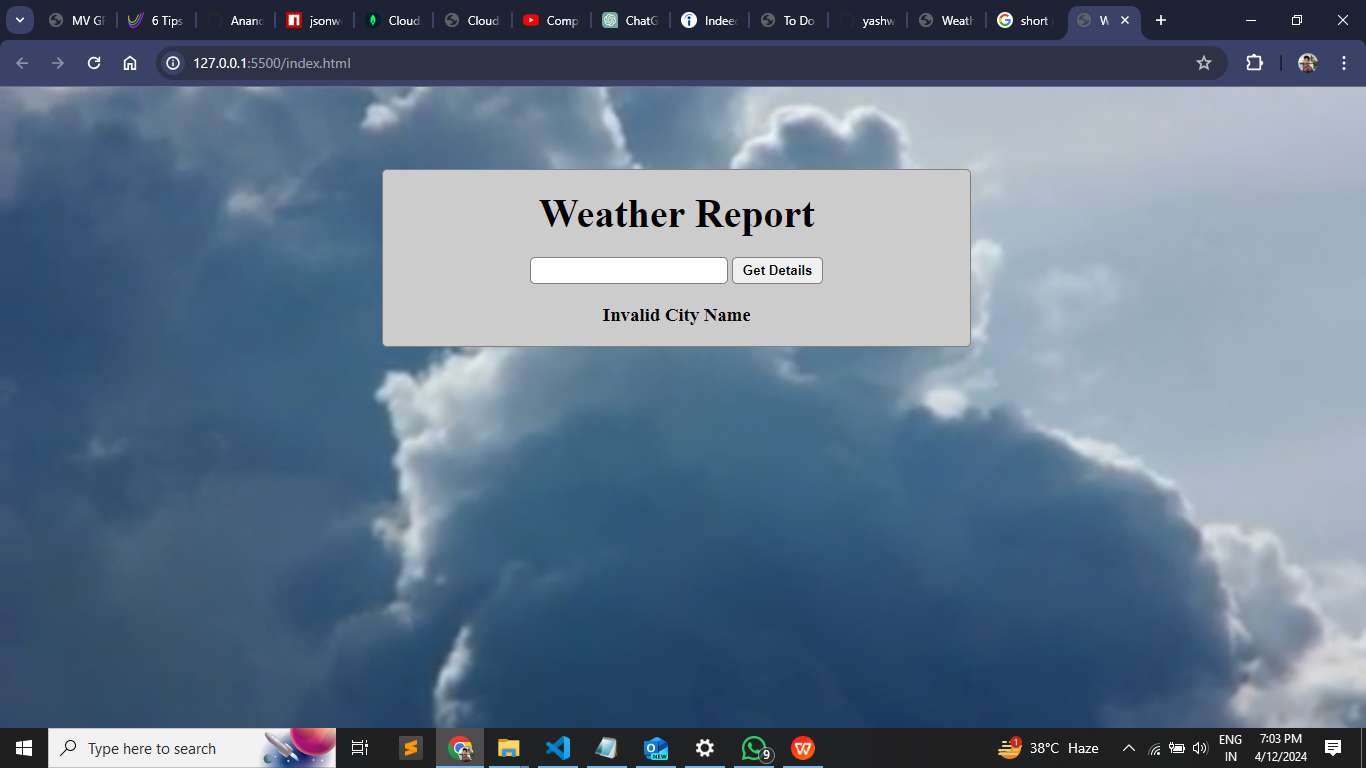
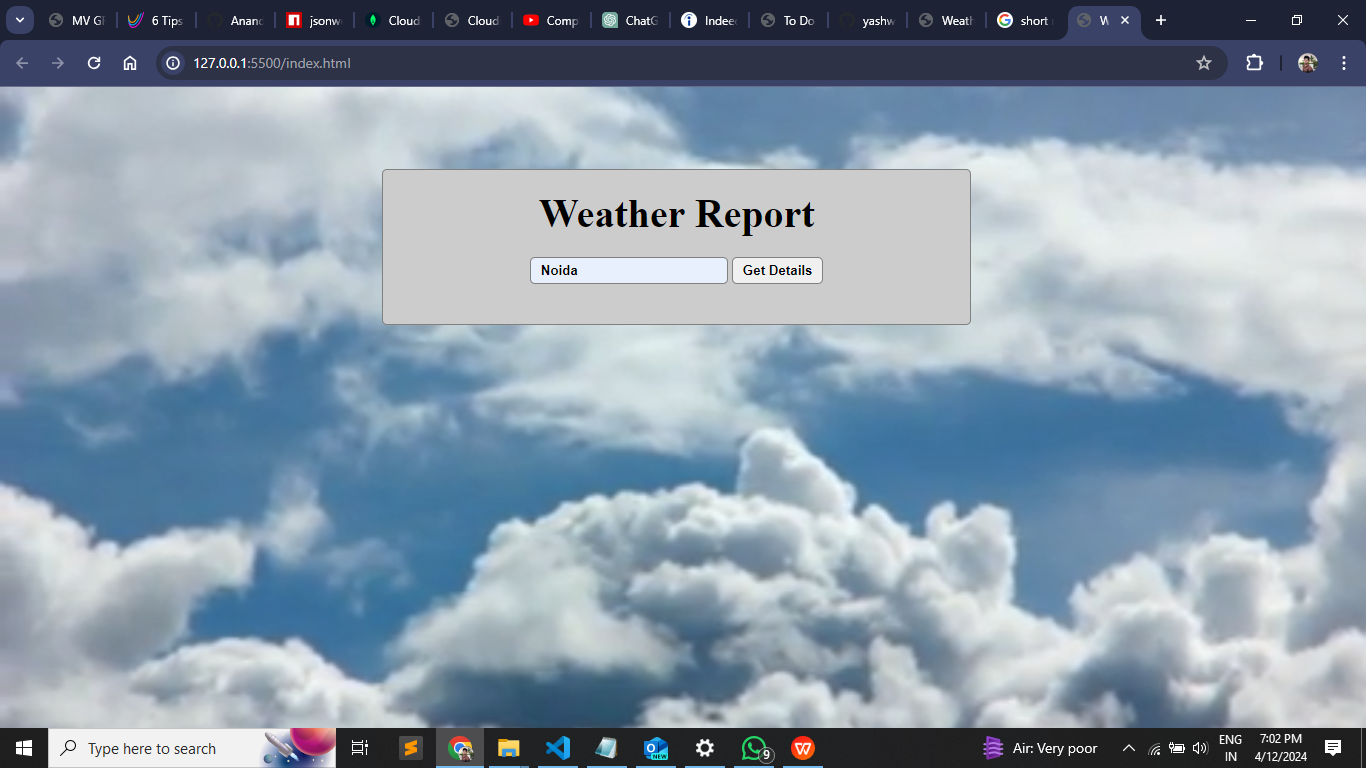
**Getting a Details:** Users enter a city in the input field and click "Get Details" to get the details.

**CONCLUSION**

In conclusion, the To-Do List project has successfully delivered a comprehensive task management solution that meets the needs of users seeking to organize their daily tasks effectively. By leveraging modern web technologies, adhering to functional requirements, and incorporating user feedback, the project has laid the foundation for a valuable tool that enhances productivity and organization in both personal and professional settings. With ongoing development and continuous improvement, the To-Do List application is poised to become an indispensable asset for users seeking to optimize their time and manage their responsibilities efficiently.

**OUTPUT**

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