**TITLE:** CodeTech IT Solutions internship-Task Documentation: ”TO-DO LIST” Using CSS,HTML,JAVASCRIPT.

**INTERN INFORMATION:**

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**INTRODUCTION**

TO-DO LIST that it will help you stay organized, when you write all your tasks in a list, they seem more manageable. In our fast-paced lives, juggling multiple responsibilities and commitments can be challenging, so having a to-do list may help you priorities your work and personal tasks.

A few of the features of a good to-do list application include:

* Plan and execute simple actions.
* Prioritize, manage, and reason about tasks.
* Record notes, action items and ideas.

TO-DO lists can be used to improve time management because all of your tasks are laid out clearly in advanced.it is a simple site which requires no sign-in/log-in or any personal details but still records your task, mark the completed tasks, and stores them even if you visit the site after a few days.

**Implementation**

* **JavaScript Framework:** Utilize a modern JavaScript framework for building the fronted 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:**

To get started, we will first need to create a basic HTML file.in this file, we will include the main structure for our to-do list.

**<!DOCTYPE html>:** Thisdeclaration specifies that the document is an HTML5 document type.

**<title>**TO-DO LIST**</title>:** Sets the title of the web page displayed in the browser’s title bar or tab.

**<link rel=”stylesheet” href=”style3.css”/>:**Links to an external CSS file named “style3.css” to apply styling to the HTML elements.

**<div class=”container”>:** Acts as the main container for the to-do list application, wrapping everything in a visually appealing background.

**<div class=”todo-app”>:** Encloses the to-do list’s title, input area, and list itself, providing a centered, stylized container for the app components.

**<h2>**TO-DO List**</h2>:** The title for the application.

**CSS Styling:**

Once the basic HTML structure of the to-do list is in place, the next step is to add styling to the to-do list using CSS. Next, we will create our CSS file. In this file, we will use some basic CSS rules to style our to-do list.

* Global styles are applied to set margin, padding, and font settings.
* The application is centered on the page with a maximum width and padding for aesthetics.
* Input fields and buttons are styled for a seamless interface, with hover effects for interactivity.
* The .container and .todo-app are styled to center the content and apply specific background colors and paddings.

**JavaScript Functionality:**

The JavaScript adds dynamic behavior to the to-do list, covering task addition, completion marking, and deletion.

We write a function that states that if a user doesn’t enter any task and presses the “Add” button, then an alert message is generated which states that “You must write something!”.

If the user enters a task, then we have to decide what to do with the task. We use the innerHTML to display all the information on the web page.

We add a “Delete” button which can be found after every task.

**USAGE**

**Adding a Task:** Users enter a task in the input field and click “Add” to add it to the list.

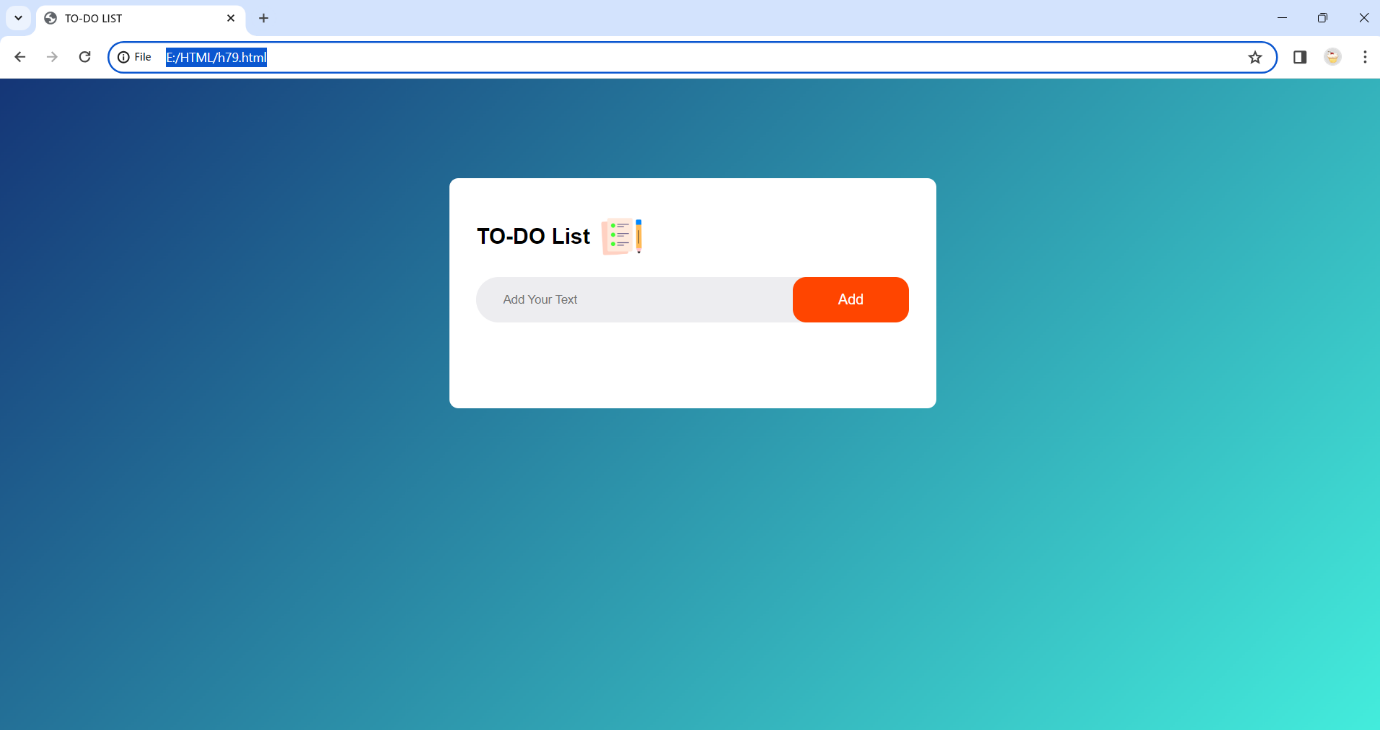
**Marking a Task as completed:** Users click on a task to toggle its “completed” status.

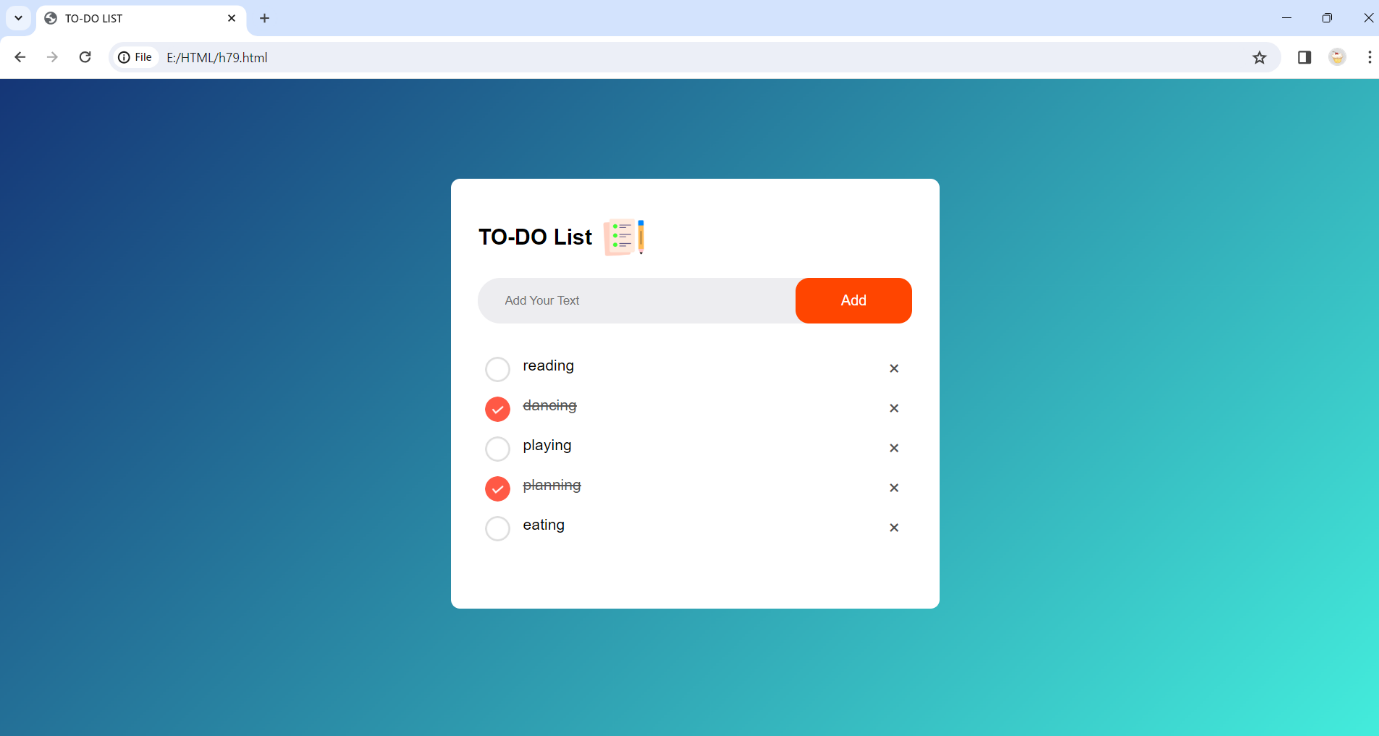
**Removing a Task:** Users click the “x” button on a task to remove it from the list.

**CONCLUSION**

In summary, the “TO-DO List” app helps you stay organized by managing your tasks with its easy-to-use interface, you can add, delete, and priorities task. Plus, it gives you a motivational boost with random inspirational quotes. It’s a helpful tool to improve your productivity and keep everything in order. The to-do list developed for this project is meant to be a minimal, free and open-source application that can help improve the productivity of a user without taking anything.

**OUTPUT**

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