MLSA Internship Report

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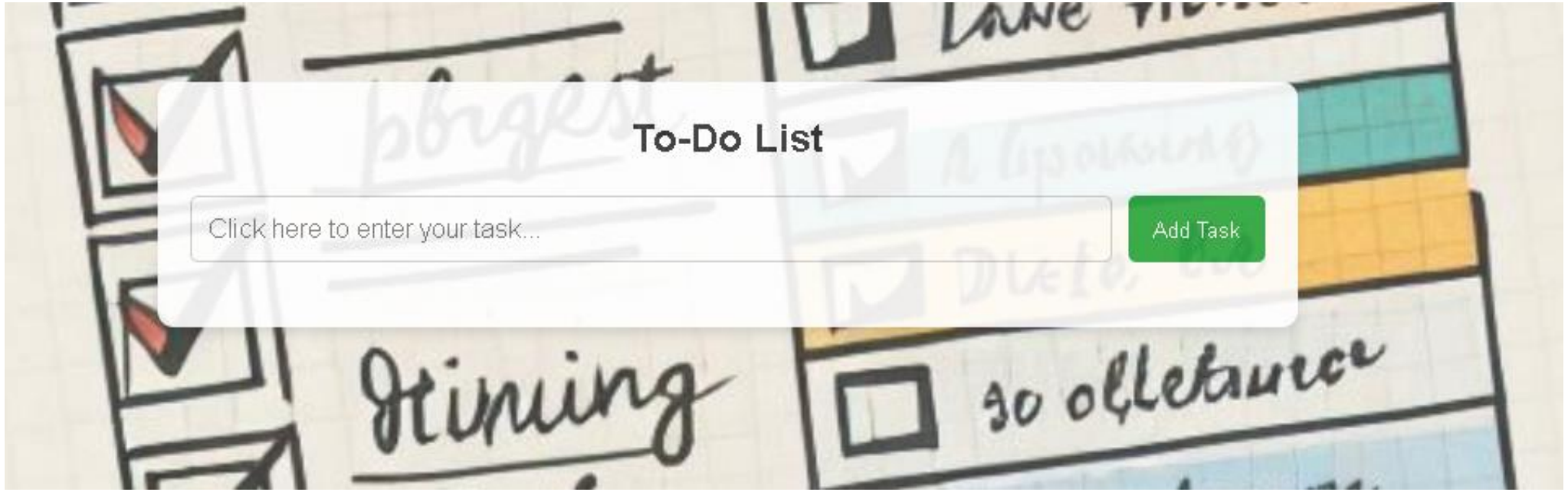
Sem/Sec – 3rd/B

Easy Project

Made a To-Do list website where user can list his to-do task. They can also delete , mark complete and manage the list. Simple interface.



Source Codes

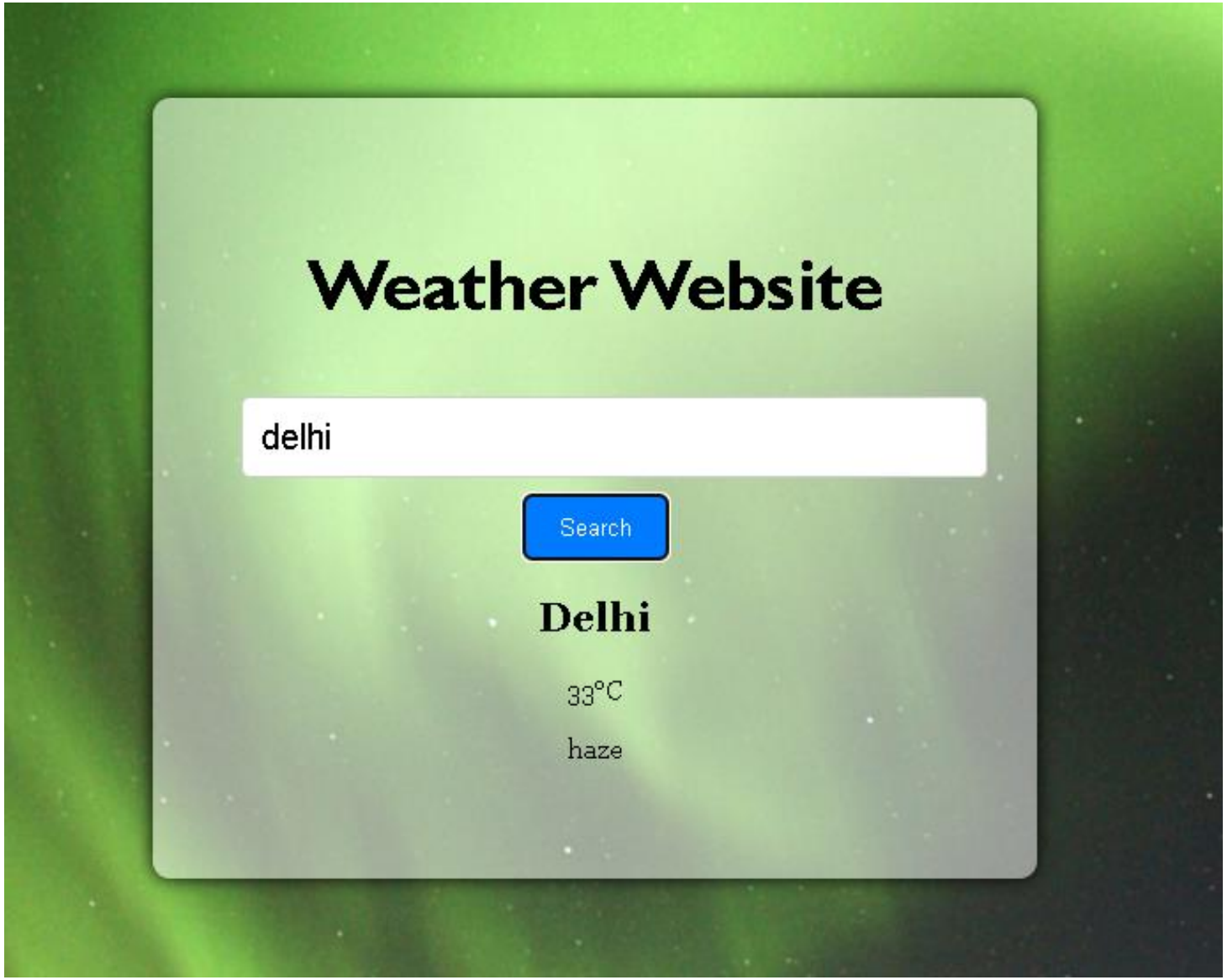
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>To-Do Task List</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <div class="container">
        <h1>To-Do List</h1>
        <div class="input-section">
            <input type="text" id="task-input" placeholder="Click here to enter your task...">
            <button id="add-btn">Add Task</button>
        </div>
        <ul id="task-list">
        </ul>
    </div>

    <script src="scripts.js"></script>
</body>
</html>
```

```javascript
document.getElementById("add-btn").addEventListener("click", function() {
    const taskInput = document.getElementById("task-input");
    const taskText = taskInput.value.trim();

    if (taskText !== "") {
        const taskList = document.getElementById("task-list");

        const listItem = document.createElement("li");
        listItem.textContent = taskText;

        const completeButton = document.createElement("button");
        completeButton.textContent = "Complete";
        completeButton.classList.add("complete-btn");
        completeButton.onclick = function() {
            listItem.classList.toggle("completed");
        };

        const deleteButton = document.createElement("button");
        deleteButton.textContent = "Delete";
        deleteButton.classList.add("delete-btn");
        deleteButton.onclick = function() {
            taskList.removeChild(listItem);
        };

        listItem.appendChild(completeButton);
        listItem.appendChild(deleteButton);

        taskList.appendChild(listItem);

        taskInput.value = "";
    }
});
```

Intermediate Project

Made a weather forecasting website where user can enter the name of city of which he wants to know the weather.

Used the API of OpenWeatherMap to fetch the weather details.



Source Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Weather Website</title>
    <link rel="stylesheet" href="style1.css">
</head>
<body>
    <div class="container">
        <h1>Weather Website</h1>
        <input type="text" id="locationInput" placeholder="Enter a city">
        <button id="searchButton">Search</button>
        <div class="weather-info">
            <h2 id="location"></h2>
            <p id="temperature"></p>
            <p id="description"></p>
        </div>
    </div>
    <script src="script1.js"></script>
</body>
</html>
```

```javascript
const apiKey = '5d836ec2b0ed8c292bf4643b82b19f6b';
const apiUrl = 'https://api.openweathermap.org/data/2.5/weather';

const locationInput = document.getElementById('locationInput');
const searchButton = document.getElementById('searchButton');
const locationElement = document.getElementById('location');
const temperatureElement = document.getElementById('temperature');
const descriptionElement = document.getElementById('description');

searchButton.addEventListener('click', () => {
    const location = locationInput.value;
    if (location) {
        fetchWeather(location);
    }
});

function fetchWeather(location) {
    const url = `${apiUrl}?q=${location}&appid=${apiKey}&units=metric`;

    fetch(url)
        .then(response => response.json())
        .then(data => {
            locationElement.textContent = data.name;
            temperatureElement.textContent = `${Math.round(data.main.temp)}°C`;
            descriptionElement.textContent = data.weather[0].description;
        })
        .catch(error => {
            console.error('Error fetching weather data:', error);
        });
}
```