<https://github.com/GovardhananSD/weatherApp>

<https://reedarchitects.in>

<https://www.zoho.com/careers/jobdetails/?job_id=2803000614929615>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

npm init -y

npm install express

**Here's a simple webpage using HTML, CSS, and JavaScript. It displays a button that changes the background color when clicked.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Color Changer</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin: 50px;

transition: background-color 0.5s;

}

button {

padding: 10px 20px;

font-size: 16px;

cursor: pointer;

border: none;

background-color: #007BFF;

color: white;

border-radius: 5px;

}

button:hover {

background-color: #0056b3;

}

</style>

</head>

<body>

<h1>Click the button to change background color</h1>

<button onclick="changeColor()">Change Color</button>

<script>

function changeColor() {

const colors = ["#FF5733", "#33FF57", "#3357FF", "#F3FF33", "#FF33A1"];

const randomColor = colors[Math.floor(Math.random() \* colors.length)];

document.body.style.backgroundColor = randomColor;

}

</script>

</body>

</html>

**J Query**

The easiest way to use jQuery is by adding this <script> tag inside the <head> or before the closing </body> tag:

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>jQuery Color Changer</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin: 50px;

transition: background-color 0.5s;

}

button {

padding: 10px 20px;

font-size: 16px;

cursor: pointer;

border: none;

background-color: #28a745;

color: white;

border-radius: 5px;

}

button:hover {

background-color: #218838;

}

</style>

</head>

<body>

<h1>Click the button to change background color</h1>

<button id="changeColor">Change Color</button>

<script>

$(document).ready(function(){

$("#changeColor").click(function(){

const colors = ["#FF5733", "#33FF57", "#3357FF", "#F3FF33", "#FF33A1"];

const randomColor = colors[Math.floor(Math.random() \* colors.length)];

$("body").css("background-color", randomColor);

});

});

</script>

</body>

</html>

**NODE JS**

Here's a **simple Node.js** application using the **Express.js framework** to create a basic web server that serves an HTML page.

**1. Install Node.js & Express**

Make sure you have **Node.js** installed. Then, initialize a project and install Express:

npm init -y npm

install express

**2. Create server.js (Node.js + Express Server)**

const express = require("express");

const app = express();

const path = require("path");

const PORT = 3000;

// Serve static files (CSS, JS)

app.use(express.static("public"));

// Route to serve the HTML page

app.get("/", (req, res) => {

res.sendFile(path.join(\_\_dirname, "index.html"));

});

// Start the server

app.listen(PORT, () => {

console.log(`Server running at http://localhost:${PORT}`);

});

**3. Create index.html (Frontend Page)**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Node.js Web Page</title>

<script src="script.js" defer></script>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

padding: 50px;

}

button {

padding: 10px 20px;

font-size: 16px;

cursor: pointer;

background-color: #28a745;

color: white;

border: none;

border-radius: 5px;

}

button:hover {

background-color: #218838;

}

</style>

</head>

<body>

<h1>Welcome to My Node.js App</h1>

<button id="changeText">Click Me</button>

<p id="message">Hello, Node.js!</p>

</body>

</html>

**4. Create public/script.js (Frontend JavaScript)**

Inside a new **public** folder, create script.js to handle button interactions.

document.getElementById("changeText").addEventListener("click", function() { document.getElementById("message").textContent = "You clicked the button!"; document.body.style.backgroundColor = "lightblue"; });

**5. Run the Server**

node server.js

<http://localhost:3000>

**React JS**

<https://codesandbox.io/p/sandbox/react-components-3brog?file=%2Fsrc%2Findex.js%3A8%2C1-11%2C3>

<https://codesandbox.io/p/devbox/react-components-practice-completed-forked-jjgjgm?file=%2Fsrc%2Fcomponents%2FApp.jsx%3A13%2C1&workspaceId=ws_NSikm6tEMiXXSf2MRTG2ix>