<!DOCTYPE html>

<html>

<head>

<title>Interactive Website</title>

<style>

/\* CSS styles \*/

body {

font-family: Arial, sans-serif;

text-align: center;

}

.container {

margin-top: 100px;

}

.button {

padding: 10px 20px;

background-color: #4CAF50;

color: white;

border: none;

cursor: pointer;

font-size: 16px;

}

</style>

</head>

<body>

<div class="container">

<h1>Interactive Website</h1>

<p id="output"></p>

<button class="button" onclick="showMessage()">Click Me</button>

</div>

<script>

// JavaScript code

function showMessage() {

var message = "Hello, you clicked the button!";

document.getElementById("output").textContent = message;

}

</script>

</body>

</html>