# **Web Design and Client Side Scripting CA2 code.**

## **CSS**

body{

    color:rgb(28, 189, 230);

    background-color:black ;

    text-align: center;

}

h1{

    text-align: center;

    font-family: 'Bungee Inline', sans-serif;

}

h2{

    text-align: center;

    font-family: 'Jockey One', sans-serif;

}

p{

    text-align: center;

    font-family: 'Turret Road', sans-serif;

}

td, tr{

    border: 1px solid;

    padding: 5px;

}

a{

    color:rgb(53, 22, 125);

    padding: 50px;

    font-family: 'Jockey One', sans-serif;

}

a:hover{

    color:rgb(77, 214, 239);

}

span{

    padding: 20px;

}

div.container {

    text-align: center;

  }

  .aligned{

    display:list-item;

    align-items:center;

    font-size: large;

    transition: background-color 2s ease-out 100ms;

}

#imageContainer {

    position: relative;

    display: inline-block;

}

#textOverlay {

    position: absolute;

    top: 0;

    left: 0;

    background-color: rgba(255, 255, 255, 0.7);

    padding: 10px;

    display: none;

}

## **Page 1**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>DreamPod</title>

    <link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Bungee+Inline&family=Jockey+One&family=Turret+Road:wght@300&display=swap" rel="stylesheet">

    <link href = "style.css" rel = "stylesheet">

</head>

<body>

    <!--Name of website-->

    <div>

    <img width=100px src="VR Games.png" alt="logo">

    <h1>DreamPod</h1>

    <h2>VR Games and Innovative Workspace</h2>

    </div>

    <!--Navbar-->

    <div>

    <span>

    <a href="DreamPod.html">Home</a>

    <a href="DreamPod2.html">Products</a>

    <a href="dreampod3.html">Game</a>

    <a href="DreamPod4.html">Order</a>

    </span>

    </div>

    <div>

    <h2>Welcome to DreamPod</h2>

    <div id="imageContainer">

        <img width="500px" id="myImage" src="DreamPodImage.jpg" alt="Image of girl under blanket and lights wearing VR glasses">

        <div id="textOverlay">girl under blanket and lights wearing VR glasses</div>

    </div>

    <script src="script.js"></script>

    <p>Immerse yourself in the extraordinary world of virtual and augmented experiences with DreamPod. We are at the forefront of cutting-edge technology, bringing innovation and imagination to life.</p>

    <p>Embark on a journey where boundaries disappear and possibilities are endless. Our range of Virtual Reality (VR) and Augmented Reality (AR) products opens doors to new dimensions, whether you're a gaming enthusiast, an industry professional, or a curious explorer.</p>

</body>

</html>

## **Page 2**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>DreamPod</title>

    <link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Bungee+Inline&family=Jockey+One&family=Turret+Road:wght@300&display=swap" rel="stylesheet">

    <link href = "style.css" rel = "stylesheet">

</head>

<body>

    <img width=100px src="VR Games.png" alt="logo">

    <h1>List of Products</h1>

     <!--Navbar-->

     <div>

        <span>

        <a href="DreamPod.html">Home</a>

        <a href="DreamPod2.html">Products</a>

        <a href="dreampod3.html">Game</a>

        <a href="DreamPod4.html">Order</a>

        </span><br><br><br>

        </div>

    <!--Images used all royalty free from Unsplash.com-->

    <div class="aligned">

    <lablel><b>Immersive Gaming System</b></lablel><br><br>

    <div id="imageContainer">

        <img width="300px" id="myImage" src="MetaVR.jpg" alt="Image of man gaming with VR set">

        <div id="textOverlay">VR Gaming</div>

    </div><br>

    <p>Dive into unparalleled gaming adventures with our state-of-the-art AR/VR gaming system. Experience the thrill of high-octane action, realistic simulations, and interactive storytelling. Our system transports you from your living room to fantastical worlds, where every move feels natural and every environment is breathtakingly real. Elevate your gaming experience to new heights and conquer virtual realms like never before.</p><br><br>

     <label><b>Productivity-Boosting Work System</b></label><br><br>

     <div id="imageContainer">

        <img width="400px" id="myImage" src="VRhandset.jpg" alt="Image of engineer using VR set to control screen">

        <div id="textOverlay">VR Work</div>

    </div><br>

     <p>Revolutionize the way you work with our AR/VR productivity system. Transform your workspace into a dynamic, collaborative environment where teams can interact seamlessly across distances. Visualize complex data, model designs in 3D space, and enhance creativity through immersive collaboration. Boost productivity, streamline workflows, and redefine the future of remote work with our cutting-edge AR/VR work system.</p><br><br>

    <label><b>Virtual Tours System</b></label><br><br>

    <div id="imageContainer">

        <img width="300px" id="myImage" src="VRGroups.jpg" alt="Image of tour group with VR goggles">

        <div id="textOverlay">VR Tours</div>

    </div><br>

    <p>Embark on a journey like never before with our AR/VR virtual tours system. Explore destinations around the globe or tour real estate properties without leaving your home. Our system delivers an immersive travel experience, complete with interactive elements that make you feel present in every location. Whether you're planning your next vacation or scouting properties, our virtual tours system offers an unparalleled and convenient way to explore the world.</p><br><br>

    <label><b>innovative Healthcare System</b></label><br><br>

    <div id="imageContainer">

        <img width="400px" id="myImage" src="VRWork.jpg" alt="Image of doctor with AR glasses">

        <div id="textOverlay">VR Healthcare</div>

    </div><br>

    <p>Experience a revolution in patient care with our AR/VR healthcare system. From training simulations for medical professionals to therapeutic interventions, our system leverages immersive technology to enhance diagnostics, treatment, and training. Step into virtual operating rooms, visualize complex medical data, and empower healthcare professionals with tools that transcend traditional boundaries. Our AR/VR healthcare system is at the forefront of advancing patient outcomes and medical education.</p><br>

    <script src="script.js"></script>

</body>

</html>

## **Page 3**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>DreamPod</title>

    <link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Bungee+Inline&family=Jockey+One&family=Turret+Road:wght@300&display=swap" rel="stylesheet">

    <link href = "style.css" rel = "stylesheet">

</head>

<body>

    <img width=100px src="VR Games.png" alt="logo">

    <h1>Evolution Of Gaming</h1>

    <!--Navbar-->

    <div>

        <span>

        <a href="DreamPod.html">Home</a>

        <a href="DreamPod2.html">Products</a>

        <a href="dreampod3.html">Game</a>

        <a href="DreamPod4.html">Order</a>

        </span>

    </div>

    <p>The evolution of gaming has been a remarkable journey, transforming from the classic arcade style to the cutting-edge realms of Virtual Reality (VR) and Augmented Reality (AR). In the early days, gamers flocked to arcades, drawn by the allure of pixelated adventures and high scores on machines like Pac-Man and Space Invaders. The advent of home gaming consoles brought gaming to living rooms, enabling a new level of accessibility. As technology advanced, immersive experiences emerged with 3D graphics and realistic simulations. The breakthrough moment came with VR and AR, where players could step directly into the game or blend digital elements seamlessly with the real world. Enjoy the simple game below just to taste how far we have come from a simple guessing game to the amazing experinces our products offer!</p>

    <h1>Number Guessing Game</h1>

    <p>Can you guess the right number between 1 and 10?</p>

    <label for="guess">Your Guess:</label>

    <input type="number" id="guess">

    <button onclick="checkGuess()">Submit Guess</button>

    <div id="result"></div>

    <script>

        // Generate a random number between 1 and 10

        const randomNumber = Math.floor(Math.random() \* 10) + 1;

        function checkGuess() {

            // Get the user's guess

            const userGuess = document.getElementById('guess').value;

            // Check if the guess is correct, too high, or too low

            if (userGuess == randomNumber) {

                displayResult("Congratulations! You guessed the correct number!");

            } else if (userGuess < randomNumber) {

                displayResult("Too low! Try again.");

            } else {

                displayResult("Too high! Try again.");

            }

        }

        function displayResult(message) {

            // Display the result message

            document.getElementById('result').textContent = message;

            // Reset the input field

            document.getElementById('guess').value = '';

            // Generate a new random number for the next round

            randomNumber = Math.floor(Math.random() \* 10) + 1;

        }

    </script>

</body>

</html>

## **Page 4**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>DreamPod</title>

  <link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Bungee+Inline&family=Jockey+One&family=Turret+Road:wght@300&display=swap" rel="stylesheet">

    <link href = "style.css" rel = "stylesheet">

    <style>

        .error {

            color: red;

        }

    </style>

</head>

<body>

<img width=100px src="VR Games.png" alt="logo">

 <h1>Order Product</h1>

 <!--Navbar-->

 <span>

  <a href="DreamPod.html">Home</a>

  <a href="DreamPod2.html">Products</a>

  <a href="dreampod3.html">Game</a>

  <a href="DreamPod4.html">Order</a>

  </span><br><br><br>

  <!--Form including all necessary requirements of user and user validation-->

 <form id="contactForm" onsubmit="return validateForm()"></form>

    <h3>Choose a product</h3>

    <select>

      <option>Gaming System</option>

      <option>Work System</option>

      <option>Tour System</option>

      <option>Healthcare System</option>

    </select><br><br><br><br>

<label for="name">Userame:</label>

  <input type="text" id="name" placeholder="Enter username" min="3" max="20"/>

  <span id="nameError" class="error"></span>

  <br><br>

  <label for="email">Email:</label>

  <input type="email" id="email"size="30"/><br><br>

  <span id="emailError" class="error"></span>

  <br><br>

  <label for="password">Password:</label>

  <input type="text" id="password" size="40"/><br><br>

  <span id="passwordError" class="error"></span>

  <br><br>

  <label for="address">Shipping Address:</label>

  <input type="text" id="address" min="0" max="100"/>

  <span id="addressError" class="error"></span>

  <br><br>

  <label for="address">Eircode:</label>

  <input type="text" id="address" min="0" max="7"/>

  <span id="addressError" class="error"></span>

  <br><br><br>

  <script>

    function validateForm() {

        // Reset error messages

        document.getElementById('nameError').textContent = '';

        document.getElementById('emailError').textContent = '';

        document.getElementById('passwordError').textContent = '';

        document.getElementById('addressError').textContent = '';

        // Get form values

        const name = document.getElementById('name').value.trim();

        const email = document.getElementById('email').value.trim();

        const password = document.getElementById('password').value.trim();

        const address = document.getElementById('address').value.trim();

        // Validate Name

        if (name === '') {

            document.getElementById('nameError').textContent = 'Name is required.';

            return false;

        }

        // Validate Email

        const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

        if (email === '' || !emailRegex.test(email)) {

            document.getElementById('emailError').textContent = 'Enter a valid email address.';

            return false;

        }

        // Validate Password

        if (message === '') {

            document.getElementById('messageError').textContent = 'Password cannot be empty.';

            return false;

        }

        // Validate Address

        if (message === '') {

            document.getElementById('messageError').textContent = 'Address cannot be empty.';

            return false;

        }

        // Form is valid, proceed with submission

        alert('Form submitted successfully!');

        return true;

    }

</script>

<h3>Payment Type</h3>

<label>Visa</label>

<input type="radio" name="species"/>

<label>PayPal</label>

<input type="radio" name="species"/>

<label>Google Pay</label>

<input type="radio" name="species"/><br><br><br>

<h3>Additional Information</h3>

<textarea>

</textarea><br><br>

<input type="checkbox"/>

<label>Terms and Conditions</label><br>

<input type="checkbox"/>

<label>Subscribe to our Newsletter and Special Offers</label><br><br>

<button type="submit">Go to Checkout</button>

</form>

</body>

</html>

## **JavaScript**

document.addEventListener("DOMContentLoaded", function () {

    var imageContainer = document.getElementById("imageContainer");

    var textOverlay = document.getElementById("textOverlay");

    imageContainer.addEventListener("mouseover", function () {

        textOverlay.style.display = "block";

    });

    imageContainer.addEventListener("mouseout", function () {

        textOverlay.style.display = "none";

    });

});