Final project (Assignment-4)

Title – Basketball Shopping web application

HTML CODE

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <title>Product Landing Page</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <header>
    <nav class="navbar">
      <div class="logo">Basketball Shop</div>
      <ul class="nav-links">
        <li><a href="#features">Features</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>
```

```html
<section class="hero">

  <div class="hero-content">

    <h1>Welcome to Basketball Shop</h1>

    <p>Your one-stop shop for all basketball gear and accessories.</p>

    <a href="#contact" class="btn-primary">Shop Now</a>

  </div>

  <div class="hero-image slider">

    <button class="slider-btn prev" aria-label="Previous Image">&#10094;</button>

    <img src="C:\Users\Asus\Desktop\VS_work\image\basketball-6687953_1280.jpg" alt="Basketball Product 1" class="slider-image active" />

    <img src="C:\Users\Asus\Desktop\VS_work\image\action-1869428_1280.jpg" alt="Basketball Product 2" class="slider-image" />

    <img src="C:\Users\Asus\Desktop\VS_work\image\ball-7610545_1280.jpg" alt="Basketball Product 3" class="slider-image" />

    <button class="slider-btn next" aria-label="Next Image">&#10095;</button>

  </div>

</section>


<section id="features" class="features-section">

  <h2>Why Shop With Us?</h2>

  <div class="features-container">

    <div class="feature">

      <h3>Wide Selection</h3>

      <p>From basketballs to apparel, find everything you need.</p>

    </div>

    <div class="feature">
```

```html
      <h3>Quality Products</h3>

      <p>Only the best brands and gear for serious players.</p>

    </div>

    <div class="feature">

      <h3>Fast Shipping</h3>

      <p>Get your gear quickly with our reliable delivery service.</p>

    </div>

  </div>

</section>


<section id="contact" class="contact-section">

  <h2>Contact Us</h2>

  <form id="contactForm" novalidate>

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

    <input type="text" id="name" name="name" required />


    <label for="email">Email:</label>

    <input type="email" id="email" name="email" required />


    <label for="message">Message:</label>

    <textarea id="message" name="message" rows="4" required></textarea>


    <button type="submit" class="btn-primary">Send</button>

  </form>

  <div id="formMessage" class="form-message"></div>

</section>
```

```html
<footer>

    <p>© 2024 Basketball Shop. All rights reserved.</p>

    <div class="social-links">

        <a href="#" aria-label="Facebook">Facebook</a>

        <a href="#" aria-label="Twitter">Twitter</a>

        <a href="#" aria-label="Instagram">Instagram</a>

    </div>

</footer>


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

</body>

</html>
```

STYLE CSS CODE

```css
/* Reset some default styles */

* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}


body {

    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

    line-height: 1.6;
```

```css
    color: #222;

    background: linear-gradient(135deg, #667eea, #764ba2);

    background-attachment: fixed;

    animation: backgroundShift 15s ease infinite;

    overflow-x: hidden;

}


@keyframes backgroundShift {

  0% { background-position: 0% 50%; }

  50% { background-position: 100% 50%; }

  100% { background-position: 0% 50%; }

}


header {

    background-color: rgba(0, 64, 128, 0.85);

    color: white;

    padding: 1rem 2rem;

    position: sticky;

    top: 0;

    z-index: 1000;

    box-shadow: 0 2px 10px rgba(0,0,0,0.3);

}


.navbar {

    display: flex;

    justify-content: space-between;
```

```css
    align-items: center;

}


.logo {

    font-size: 1.8rem;

    font-weight: 900;

    letter-spacing: 2px;

    text-shadow: 1px 1px 3px rgba(0,0,0,0.5);

}


.nav-links {

    list-style: none;

    display: flex;

    gap: 1.5rem;

}


.nav-links a {

    color: #ffeb3b;

    text-decoration: none;

    font-weight: 700;

    font-size: 1.1rem;

    transition: color 0.3s ease, transform 0.3s ease;

}


.nav-links a:hover {

    color: #fff;
```

```css
        transform: scale(1.1);

        text-shadow: 0 0 8px #ffeb3b;

    }


    .hero {

        display: flex;

        flex-wrap: wrap;

        align-items: center;

        justify-content: center;

        padding: 4rem 2rem;

        background: rgba(255, 255, 255, 0.15);

        border-radius: 15px;

        box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);

        backdrop-filter: blur(8.5px);

        -webkit-backdrop-filter: blur(8.5px);

        gap: 2rem;

        animation: fadeInUp 1s ease forwards;

        opacity: 0;

    }


    @keyframes fadeInUp {

        to {

            opacity: 1;

            transform: translateY(0);

        }

        from {
```

```css
      opacity: 0;

      transform: translateY(20px);

   }

}


.hero-content {

   flex: 1 1 300px;

   max-width: 500px;

   color: white;

   animation: slideInLeft 1s ease forwards;

   opacity: 0;

}


@keyframes slideInLeft {

   to {

      opacity: 1;

      transform: translateX(0);

   }

   from {

      opacity: 0;

      transform: translateX(-30px);

   }

}


.hero-content h1 {

   font-size: 3rem;
```

```css
    margin-bottom: 1rem;

    color: #ffeb3b;

    text-shadow: 2px 2px 6px #000;

}


.hero-content p {

    font-size: 1.3rem;

    margin-bottom: 1.5rem;

    color: #fff;

    text-shadow: 1px 1px 4px #000;

}


.btn-primary {

    display: inline-block;

    background-color: #ffeb3b;

    color: #222;

    padding: 0.75rem 1.5rem;

    border: none;

    border-radius: 30px;

    font-size: 1.1rem;

    cursor: pointer;

    text-decoration: none;

    font-weight: 700;

    box-shadow: 0 4px 15px rgba(255, 235, 59, 0.6);

    transition: background-color 0.3s ease, transform 0.3s ease;

}
```

```css
.btn-primary:hover {

    background-color: #fdd835;

    transform: scale(1.05);

    box-shadow: 0 6px 20px rgba(253, 216, 53, 0.8);

}


.hero-image img {

    max-width: 100%;

    height: auto;

    border-radius: 15px;

    box-shadow: 0 8px 20px rgba(0,0,0,0.4);

    animation: slideInRight 1s ease forwards;

    opacity: 0;

}


@keyframes slideInRight {

    to {

        opacity: 1;

        transform: translateX(0);

    }

    from {

        opacity: 0;

        transform: translateX(30px);

    }

}
```

```css
.features-section {

    padding: 4rem 2rem;

    background: rgba(255, 255, 255, 0.15);

    border-radius: 15px;

    box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);

    backdrop-filter: blur(8.5px);

    -webkit-backdrop-filter: blur(8.5px);

    text-align: center;

    color: white;

    animation: fadeIn 1.5s ease forwards;

    opacity: 0;

}


@keyframes fadeIn {

    to {

        opacity: 1;

    }

    from {

        opacity: 0;

    }

}


.features-section h2 {

    font-size: 2.5rem;

    margin-bottom: 2rem;
```

```css
    color: #ffeb3b;

    text-shadow: 1px 1px 5px #000;

}


.features-container {

    display: flex;

    flex-wrap: wrap;

    justify-content: center;

    gap: 2rem;

}


.feature {

    background: rgba(255, 255, 255, 0.25);

    padding: 2rem;

    border-radius: 15px;

    flex: 1 1 250px;

    max-width: 300px;

    box-shadow: 0 8px 20px rgba(0,0,0,0.3);

    transition: transform 0.3s ease, box-shadow 0.3s ease;

    cursor: default;

}


.feature:hover {

    transform: translateY(-10px);

    box-shadow: 0 12px 30px rgba(255, 235, 59, 0.7);

}
```

```css
.feature h3 {

    margin-bottom: 1rem;

    color: #fff;

    text-shadow: 1px 1px 4px #000;

}


.contact-section {

    padding: 4rem 2rem;

    background: rgba(255, 255, 255, 0.15);

    max-width: 600px;

    margin: 3rem auto 0 auto;

    border-radius: 15px;

    box-shadow: 0 8px 32px 0 rgba(31, 38, 135, 0.37);

    backdrop-filter: blur(8.5px);

    -webkit-backdrop-filter: blur(8.5px);

    color: white;

    animation: fadeIn 2s ease forwards;

    opacity: 0;

}


.contact-section h2 {

    text-align: center;

    margin-bottom: 2rem;

    color: #ffeb3b;

    text-shadow: 1px 1px 5px #000;
```

```css
}

form label {
    display: block;
    margin-bottom: 0.5rem;
    font-weight: 700;
}

form input[type="text"],
form input[type="email"],
form textarea {
    width: 100%;
    padding: 0.75rem;
    margin-bottom: 1.5rem;
    border: none;
    border-radius: 10px;
    font-size: 1rem;
    resize: vertical;
    box-shadow: inset 0 0 8px rgba(255, 235, 59, 0.5);
    background-color: rgba(255, 255, 255, 0.9);
    transition: box-shadow 0.3s ease;
}

form input[type="text"]:focus,
form input[type="email"]:focus,
form textarea:focus {
```

```css
    outline: none;

    box-shadow: 0 0 12px #ffeb3b;

}


form button {

    width: 100%;

    background-color: #ffeb3b;

    color: #222;

    padding: 0.75rem;

    border: none;

    border-radius: 30px;

    font-size: 1.2rem;

    font-weight: 700;

    cursor: pointer;

    box-shadow: 0 6px 20px rgba(255, 235, 59, 0.6);

    transition: background-color 0.3s ease, transform 0.3s ease;

}


form button:hover {

    background-color: #fdd835;

    transform: scale(1.05);

    box-shadow: 0 8px 25px rgba(253, 216, 53, 0.8);

}


.form-message {

    margin-top: 1rem;
```

```css
    font-weight: 700;

    text-align: center;

    color: #ffeb3b;

    text-shadow: 1px 1px 3px #000;

}


footer {

    background-color: rgba(0, 64, 128, 0.85);

    color: white;

    padding: 1.5rem 2rem;

    text-align: center;

    margin-top: 3rem;

    box-shadow: 0 -2px 10px rgba(0,0,0,0.3);

}


.social-links {

    margin-top: 0.5rem;

}


.social-links a {

    color: #ffeb3b;

    margin: 0 0.5rem;

    text-decoration: none;

    font-weight: 700;

    transition: color 0.3s ease, transform 0.3s ease;

}
```

```css
.social-links a:hover {

    color: #fff;

    transform: scale(1.2);

    text-shadow: 0 0 8px #ffeb3b;

}


/* Responsive Styles */
@media (max-width: 768px) {

    .hero {

        flex-direction: column;

        text-align: center;

    }


    .features-container {

        flex-direction: column;

        align-items: center;

    }


    .nav-links {

        flex-direction: column;

        gap: 1rem;

    }
}


/* Image Slider Styles */
```

```css
.hero-image.slider {

    position: relative;

    max-width: 400px;

    margin: 0 auto;

    overflow: hidden;

    border-radius: 15px;

    box-shadow: 0 8px 20px rgba(0,0,0,0.4);

}


.slider-image {

    display: none;

    width: 100%;

    height: auto;

    border-radius: 15px;

}


.slider-image.active {

    display: block;

}


.slider-btn {

    position: absolute;

    top: 50%;

    transform: translateY(-50%);

    background-color: rgba(255, 235, 59, 0.8);

    border: none;
```

```css
    color: #222;

    font-size: 2rem;

    padding: 0.2rem 0.6rem;

    cursor: pointer;

    border-radius: 50%;

    user-select: none;

    transition: background-color 0.3s ease;
}


.slider-btn:hover {

    background-color: #ffeb3b;
}


.slider-btn.prev {

    left: 10px;
}


.slider-btn.next {

    right: 10px;
}
```

JAVASCRIPT IMPLEMENTATION

```javascript
// Wait for the DOM to load

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

  const form = document.getElementById('contactForm');

  const formMessage = document.getElementById('formMessage');


  // Animate sections on scroll

  const animatedElements = document.querySelectorAll('.hero, .features-section, .contact-section');

  const observerOptions = {

    threshold: 0.1

  };


  const observer = new IntersectionObserver((entries, observer) => {

    entries.forEach(entry => {

      if(entry.isIntersecting) {

        entry.target.style.opacity = 1;

        entry.target.style.transform = 'none';

        observer.unobserve(entry.target);

      }

    });

  }, observerOptions);


  animatedElements.forEach(el => {

    el.style.opacity = 0;
```

```javascript
    el.style.transform = 'translateY(20px)';

    observer.observe(el);

});


// Image slider functionality

const sliderImages = document.querySelectorAll('.slider-image');

const prevBtn = document.querySelector('.slider-btn.prev');

const nextBtn = document.querySelector('.slider-btn.next');

let currentIndex = 0;


function showImage(index) {

    sliderImages.forEach((img, i) => {

        img.classList.toggle('active', i === index);

    });

}


prevBtn.addEventListener('click', () => {

    currentIndex = (currentIndex - 1 + sliderImages.length) % sliderImages.length;

    showImage(currentIndex);

});


nextBtn.addEventListener('click', () => {

    currentIndex = (currentIndex + 1) % sliderImages.length;

    showImage(currentIndex);

});
```

```javascript
showImage(currentIndex);

form.addEventListener('submit', function (e) {
  e.preventDefault();

  // Clear previous messages
  formMessage.textContent = '';
  formMessage.style.color = '';

  // Validate form fields
  const name = form.name.value.trim();
  const email = form.email.value.trim();
  const message = form.message.value.trim();

  if (!name) {
    showMessage('Please enter your name.', 'red');
    return;
  }

  if (!validateEmail(email)) {
    showMessage('Please enter a valid email address.', 'red');
    return;
  }

  if (!message) {
    showMessage('Please enter your message.', 'red');
```

```
        return;

    }


    // If validation passes, simulate form submission

    showMessage('Thank you for contacting us! We will get back to you soon.', 'limegreen');


    // Reset form

    form.reset();

});


function showMessage(msg, color) {

    formMessage.textContent = msg;

    formMessage.style.color = color;

}


function validateEmail(email) {

    // Simple email regex validation

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

    return re.test(email.toLowerCase());

}
});
```