DEVELOPMENT ASSMENT – 5

E-COMMERCE APPLICATION USING HTML , CSS & JS

Aim of the Case Study: - Practice and execute and make a working E-commerce application using HTML, CSS & JS the web application must consist of products and product should add to cart and view in cart

CODE: -

Index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

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

 <!-- displays site properly based on user's device -->

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

 <link rel="icon" type="image/png" sizes="32x32" href="./images/favicon-32x32.png">

 <title> E-commerce </title>

</head>

<body>

 <div class="container">

  <nav>

    <div class="nav-container">

     <div class="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRTca_P2qWbRzXD4qMIIZgOZEdNLEx-7X0GdQ&usqp=CAUnav-left-sec">

       <img src="https://uxwing.com/wp-content/themes/uxwing/download/checkmark-cross/close-icon.png" alt="menu" class="hidden menu" id="menu-btn">

       <img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/ //Z" alt="logo" class="nav-logo">

       <div class="overlay"></div>
```

```html
    <ul class="nav-links">

      <img src="https://uxwing.com/wp-content/themes/uxwing/download/checkmark-cross/close-icon.png" alt="close" class="close-btn hidden">

      <li class="nav-link">Collections</li>

      <li class="nav-link">Men</li>

      <li class="nav-link">Women</li>

      <li class="nav-link">About</li>

      <li class="nav-link">Contact</li>

    </ul>

  </div>

  <div class="nav-right-sec">

   <!--cart-->

   <div class="cart-container">

    <button class="cart-btn">

     <span class="indicator"></span>

      <img src="https://cdns.iconmonstr.com/wp-content/releases/preview/2013/240/iconmonstr-shopping-cart-3.png" alt="cart" class="cart">

    </button>

    <div class="cart-wrp invisible">

     <p class="cart-heading">Cart</p>

     <div class="divider"></div>

     <div class="cart-content  empty">

      <p>Your cart is empty</p>

     </div>

    </div>

   </div>

   <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSksMuNz_EkGi9qZ_Kxb6k-HIp88ScNrLAerjdanvo&s" alt="avatar" class="avatar">

  </div>

 </div>

</nav>
```

```html
    <main>

     <!--Thumbnails-->

     <section class="thumbnails">

       <img src="https://images.unsplash.com/photo-1505740420928-5e560c06d30e?ixlib=rb-
4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=11
70&q=80" alt="product" class="main-thumbnail invisible-mob">

       <div class="mobile-thumb hidden">

        <img src="https://images.unsplash.com/photo-1505740420928-5e560c06d30e?ixlib=rb-
4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&w=11
70&q=80" alt="product" class="thumb-mob">

        <button id="next"><img
src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAKAAAACgCAMAAAC8EZcfAAAAZlBM
VEX///8AAADy8vLn5+f8/PyHh4fe3t7S0tLq6urJycn4+Pg+Pj47OzuoqKju6dnZ0SEhILCwtvb2+1tbWW
lpZTU1M0NDR0dHTDw8ONjY1FRUVeXl4mJiZOTk4bGxt7e3stLS1mZmYptWd4AAAG9ElEQVR4nNVd2Y
KyOgyuFEFBRJRNAZX3f8lfRofRJoFueHpyOQ4Htlm+LI2MGZPHg7BOz1W3aw/ ==" 
alt="next"></button>

        <button id="previous"><img
src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAKAAAACgCAMAAAC8EZcfAAAAZlBM
VEX///8AAADy8vLn5+f8/ ==" alt="previous"></button>

       </div>

       <div>

        <div class="preview">

         <img
src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAKAAAACgCAMAAAC8EZcfAAAAZlBM
VEX///8AAADy8vLn5+f8/ ==" alt="product" class="selected">

         <img src="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcQrtiQTkK3q1rOkBDh5SqzQbUm655qxwj8u3vvH_OF6yg&s"
alt="product">

         <img src="https://images.unsplash.com/photo-1611162616475-46b635cb6868?ixlib=rb-
4.0.3&ixid=MnwxMjA3fDB8MHxzZWFyY2h8Mnx8dGh1bWJuYWlsfGVufDB8fDB8fA%3D%3D&w=100
0&q=80" alt="product">

         <img src="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcQ5XInAIKTsZWt8qnj87BRb7s4cQXOh4_7SrQ&usqp=CAU"
alt="product">

        </div>

       </div>
```

```html
    </section>
    <section class="content">
      <p class="company">Sneaker Company</p>
      <h1 class="title">Fall limited Edition Sneakers</h1>
      <p class="info">
        These low-profile sneakers are your perfect casual wear companion.
        Featuring a durable rubber outer sole,they'll withstand everything
        the weather can offer.
      </p>
      <div class="price">
        <div class="new-price">
          <p class="now">$125.00</p>
          <span>50%</span>
        </div>
        <p class="old-price">$250.00</p>
      </div>
      <div class="buttons">
        <div class="amount-btn">
          <button id="minus">
            <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcT7SOdfseYav5YU0wMMxAlTVwsfz1VYoPS0PzMqZXc&s" alt="minus">
          </button>
          <p class="amount">0</p>
          <button id="plus">
            <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAJwAAACcCAMAAAC9ZjJ/AAAAZlBMVEX///8AAAC+vr7W1tZ5eXnZ2dlwcHC6urpISEjq6uouLi78/Pz5+fnd3d2Pj48XFxfNzc2urq7y8vKfn581NTVXV1ccHBzFxcU+Pj6Dg4OWlpZra2thYWFcXFyJiYlPT08PDw8lJSWcw3ysAAADrElEQVR4nO2b2ZaiMBBAO4IsAiIgCq7N/// ==" alt="plus">
          </button>
        </div>
        <button class="add-btn">
```

```html
        <img src="https://cdns.iconmonstr.com/wp-content/releases/preview/2013/240/iconmonstr-shopping-cart-3.png" alt="cart">

        Add to cart

      </button>

    </div>

  </section>

</main>

</div>

<!--Lightbox-->

<div class="lightbox invisible">

  <div class="lightbox-container">

    <button class="close-lightbox"><img src="data:image/png;base64, " alt="close"></button>

    <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAKAAAACgCAMAAAC8EZcfAAAAZlBMVEX///8AAADy8vLn5+f8/PyHh4fe3t7S0tLq6urJycn4+Pj47OzuoqKju7u6dnZ0SEhILCwtvb2+ ==" alt="product" class="main-thumbnail invisible-mob">

    <div class="preview">

      <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAKAAAACgCAMAAAC8EZcfAAAAZlBMVEX///8AAADy8vLn5+f8/PyHh4fe3t7S0tLq6urJycn4+Pj47OzuoqKju7u6dnZ0SEhILCwtvb2+ ==" alt="product" class="selected">

      <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQrtiQTkK3q1rOkBDh5SqzQbUm655qxwj8u3vvH_OF6yg&s" alt="product">

      <img src="https://images.unsplash.com/photo-1611162616475-46b635cb6868?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxzZWFyY2h8Mnx8dGh1bWJuYWlsfGVufDB8fDB8fA%3D%3D&w=1000&q=80" alt="product">

      <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQ5XInAIKTsZWt8qnj87BRb7s4cQXOh4_7SrQ&usqp=CAU" alt="product">

    </div>

  </div>

</div>

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

</body>

</html>
```

Style.css

```css
@import url('https://fonts.googleapis.com/css2?family=Kumbh+Sans&display=swap');

:root {
    /* Colors */
    --Orange: hsl(26, 100%, 55%);

    --Pale-orange: hsl(25, 100%, 94%);

    --Very-dark-blue: hsl(220, 13%, 13%);

    --Dark-grayish-blue: hsl(219, 9%, 45%);

    --Grayish-blue: hsl(220, 14%, 75%);

    --Light-grayish-blue: hsl(223, 64%, 98%);

    --White: hsl(0, 0%, 100%);

    --Black: hsl(0, 0%, 0%);

    --Light-black: hsl(0, 0%, 0%, 75%);
}
* {
    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: 'Kumbh Sans', sans-serif;
}
body {
    display: flex;

    flex-direction: column;

    align-items: center;
}
img {
    max-width: 100%;
}

.container {
```

```css
    max-width: 1000px;

    height: 100vh;

    background-color: rgb(187, 86, 86);

    align-content: center;

    overflow: hidden;

}

.hidden {

    display: none;

}

.invisible {

    display: none !important;

}

nav {

    height: 80px;

    display: flex;

    align-items: center;

    justify-content: center;

    width: 100%;

    flex: 1;

    margin: 0;

}

.nav-container {

    display: flex;

    height: 70px;

    width: 100%;

    justify-content: space-between;

    box-sizing: 0 2px 2px -2px rgba(0, 0, 0, 0.2);

}

.nav-left-sec {

    display: flex;

    align-items: center;
```

```css
    }
    .nav-links {
        margin-left: 3rem;
        list-style: none;
        display: flex;
overflow: hidden;
        gap: 2rem;
        color: var(--Dark-grayish-blue);
        background-color: rgb(11, 168, 229);
    }
    .nav-link {
        cursor: pointer;
        position: relative;
        align-items: center;
        justify-content: center;
        float: right;


    }
    .nav-link:hover::after {
        content: "";
        position: absolute;
        bottom: -30px;
        border-radius: 10px;
        display: block;
        background-color: var(--Orange);
        width: 100%;
        height: 5px;
    }
    .nav-right-sec {
        display: flex;
        align-items: center;
```

```css
    gap: 2rem;
}
.avatar,
.cart {
    cursor: pointer;
}
.avatar {
    width: 50px;
    margin: 1rem 0;
}
.avatar:hover {
    outline: 2px solid var(--Orange);
    border-radius: 50%;
}
.cart:hover {
    filter: brightness(0%)
}
.cart-btn {
    background-color: transparent;
    border: none;
}
.indicator {
    background-color: var(--Orange);
    padding: 0.2rem 0.5rem;
    border-radius: 50%;
    color: var(--White);
    position: absolute;
    top: -15px;
    right: -10px;
}
.cart-container {
```

```css
    position: relative;

    height: 50px;

    width: 50px;

}

.cart-wrp {

    position: absolute;

    left: -260px;

    top: 50px;

    z-index: 30;

    width: 350px;

    height: 250px;

    background-color: var(--White);

    box-shadow: 0 0 15px 0 #000000;

    border-radius: 10px;

}

.cart-heading {

    font-size: 1.1rem;

    font-weight: 700;

    padding: 1rem;

}

.divider {

    width: 100%;

    height: 1px;

    background-color: rgba(128, 128, 128, 0.616);

}

.empty {

    display: flex;

    align-items: center;

    justify-content: center;

}

.cart-content {
```

```css
    height: 200px;
}
.product {
    display: flex;
    flex-direction: column;
    padding: 1rem;
    height: 100%;
    justify-content: space-around;
}
.cart-content .product div {
    display: flex;
    align-items: center;
    justify-content: space-between;
}
.product-title {
    color: var(--Dark-grayish-blue)
}
.product-info {
    gap: 1rem;
    display: flex;
    flex-direction: column;
    text-align: start;
}
.product-info p:last-child {
    margin-right: auto;
    color: var(--Dark-grayish-blue);
}

.product-info b {
    color: var(--Black)
}
```

```css
.cart-content img {
    width: 60px;
    border-radius: 6px;
}
.delete-btn {
    background-color: transparent;
    border: none;
    width: 18px;
    cursor: pointer;
}
.checkout-btn {
    background-color: var(--Orange);
    border-radius: 8px;
    border: none;
    color: white;
    font-weight: 700;
    font-size: 1.1rem;
    font-family: inherit;
    padding: 1rem;
    cursor: pointer;
}
main {
    display: flex;
    height: calc(100vh - 150px);
    align-items: center;
    justify-content: space-between;
    margin-inline: 2rem;
}

.thumbnails {
    display: flex;
```

```css
    flex-direction: column;

    height: 100px;

    width: 100px;
}
.main-thumbnail {

    border-radius: 10px;

    width: 880px;

    height: 310px;

    cursor: pointer;
}
.preview {

    display: flex;

    gap: 1rem;

    margin-top: 2rem;

    height: 30px;

    width: 30px;
}
```

Script.js

```javascript
const menuBtn = document.getElementById("menu-btn");

const closeBtn = document.querySelector(".close-btn");

const menu = document.querySelector(".nav-links");

const overlay = document.querySelector(".overlay");

const mainThumbnail = document.querySelector(".main-thumbnail");

const mainThumbnailLightBox = document.querySelector(

    ".lightbox-container .main-thumbnail"

);

const images = document.querySelectorAll(".preview img");

const plusBtn = document.querySelector("#plus");

const minusBtn = document.querySelector("#minus");

const amount = document.querySelector(".amount");

const nextBtn = document.getElementById("next");
```

```javascript
const prevBtn = document.getElementById("previous");

const slider = document.querySelector(".mobile-thumb");

const thumbMob = document.querySelector(".thumb-mob");

const cartBtn = document.querySelector(".cart-btn");

const cart = document.querySelector(".cart-wrp");

const closeLightboxBtn = document.querySelector(".close-lightbox");

const lightbox = document.querySelector(".lightbox");

const addBtn = document.querySelector(".add-btn");

const indicator = document.querySelector(".indicator");

const wrp = document.querySelector(".cart-content");


let amountValue = 0;

let currentImg = 1;


indicator.style.display = "none";

function openMenu() {

  menu.classList.add("active");

  overlay.classList.add("active");

}

function closeMenu() {

  menu.classList.remove("active");

  overlay.classList.remove("active");

}

function handlePlus() {

  amountValue++;

  amount.innerText = amountValue;

}

function handleMinus() {

  if (amountValue > 0) {

    amountValue--;

  }
```

```javascript
      amount.innerText = amountValue;

  }

  function nextImage() {

    if (currentImg == 4) {

      currentImg = 1;

    } else {

      currentImg++;

    }

    thumbMob.src = `./images/image-product-${currentImg}.jpg`;

  }

  function prevImage() {

    if (currentImg == 1) {

      currentImg = 4;

    } else {

      currentImg--;

    }

    thumbMob.src = `./images/image-product-${currentImg}.jpg`;

  }

  function toggleCart() {

    cart.classList.toggle("invisible");

  }

  function closeLightBox() {

    lightbox.classList.add("invisible");

  }

  function openLightBox() {

    lightbox.classList.remove("invisible");

  }

  function addItem() {

    if (amountValue > 0) {

      const total = 125.00 * amountValue;

      wrp.classList.remove("empty");
```

```javascript
    wrp.innerHTML = `<div class="product">

            <div>

                <img src="./images/image-product-1-thumbnail.jpg" class="product-img"
alt="product">

                <div class="product-info">

                 <p class="product-title">Fall Limited Edition Sneakers</p>

                 <p><span>$125.00</span> × <span class="number">${amountValue}</span>
<b>$${total}</b></p>

                </div>

                <button class="delete-btn" onclick="deleteItem()"><img src="./images/icon-delete.svg"
alt="delete"></button>

            </div>

             <button class="checkout-btn">Checkout</button>

            </div>`;

    indicator.style.display = "block";

    indicator.innerText = amountValue;

    // cart.classList.toggle("invisible")



  }
}
function deleteItem() {
  wrp.classList.add("empty");
  wrp.innerHTML = `<p>Your cart is empty</p>`;
  indicator.style.display = "none";
}

images.forEach((image) => {
  image.addEventListener("click", () => {
    const lastImg = document.querySelectorAll(".selected");
    if (lastImg) {
      lastImg[0].classList.remove("selected");
```

```javascript
      }
      image.classList.add("selected");
      const selectedImg = document.querySelector(".selected");
      switch (selectedImg.getAttribute("src")) {
        case "/images/image-product-1-thumbnail.jpg":
          mainThumbnail.src = "/images/image-product-1.jpg";
          mainThumbnailLightBox.src = "/images/image-product-1.jpg";
          break;
        case "/images/image-product-2-thumbnail.jpg":
          mainThumbnail.src = "/images/image-product-2.jpg";
          mainThumbnailLightBox.src = "/images/image-product-2.jpg";
          break;
        case "/images/image-product-3-thumbnail.jpg":
          mainThumbnail.src = "/images/image-product-3.jpg";
          mainThumbnailLightBox.src = "/images/image-product-3.jpg";
          break;
        case "/images/image-product-4-thumbnail.jpg":
          mainThumbnail.src = "/images/image-product-4.jpg";
          mainThumbnailLightBox.src = "/images/image-product-4.jpg";
          break;
      }
    });
});
menuBtn.addEventListener("click", openMenu);
closeBtn.addEventListener("click", closeMenu);
plusBtn.addEventListener("click", handlePlus);
minusBtn.addEventListener("click", handleMinus);
nextBtn.addEventListener("click", nextImage);
prevBtn.addEventListener("click", prevImage);
cartBtn.addEventListener("click", toggleCart);
closeLightboxBtn.addEventListener("click", closeLightBox);
```

mainThumbnail.addEventListener("click", openLightBox);

addBtn.addEventListener("click", addItem);

OUTPUT: -