E\_commerce Application on IBM cloud foundry

\*\*Abstract:\*\*

The proposed project aims to create an artisanal e-commerce platform using IBM Cloud Foundry, with the primary objective of bridging skilled artisans and a worldwide audience. This platform will serve as a marketplace for artisans to showcase their handcrafted products, offering essential features such as secure shopping carts, reliable payment gateways, and an intuitive checkout process. The project encompasses the entire lifecycle of design, development, and deployment, with a strong emphasis on ensuring a seamless and user-friendly experience. By connecting artisans with a global audience, this platform seeks to empower and support the growth of artisanal craftsmanship and provide a secure and convenient online shopping environment for consumers.

HTML code:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Artisanal Products</title>

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

</head>

<body>

<header>

<h1>body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

}

header {

background-color: #333;

color: #fff;

text-align: center;

padding: 10px;

}

main {

display: flex;

flex-wrap: wrap;

justify-content: center;

gap: 20px;

padding: 20px;

}

.product {

border: 1px solid #ccc;

padding: 10px;

text-align: center;

width: 300px;

}

.product img {

max-width: 100%;

height: auto;

}

.price {

font-weight: bold;

color: #f00;

margin-top: 10px;

}

.add-to-cart {

background-color: #333;

color: #fff;

border: none;

padding: 5px 10px;

margin-top: 10px;

cursor: pointer;

}Artisanal Products</h1>

</header>

<main>

<section class="product">

<img src="product1.jpg" alt="Handmade Product 1">

<h2>Handmade Product 1</h2>

<p>Description of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

<span class="price">$49.99</span>

<button class="add-to-cart">Add to Cart</button>

</section>

<!-- Add more product sections as needed -->

<title>Artisanal Marketplace</title>

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

</head>

<body>

<!-- Header section -->

<header>

<h1>Welcome to the Artisanal Marketplace</h1>

<nav>

<ul>

<li><a href="#">Home</a></li>

<li><a href="#">Shop</a></li>

<li><a href="#">Cart</a></li>

<li><a href="#">Login</a></li>

</ul>

</nav>

</header>

<!-- Product listing section -->

<section id="product-listing">

<!-- Product cards will be dynamically generated here -->

</section>

<!-- Shopping cart section -->

<section id="shopping-cart">

<!-- Cart items will be displayed here -->

</section>

<!-- Checkout section -->

<section id="checkout">

<!-- Checkout form will be displayed here -->

</section>

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

</body>

</html>

</main>

<footer>

&copy; 2023 Artisanal Products

</footer>

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

</body>

</html>

CSS code:

/\* CSS styles for your e-commerce platform \*/

/\* Example styles for header and product cards \*/

header {

background-color: #333;

color: #fff;

text-align: center;

padding: 10px;

}

nav ul {

list-style-type: none;

padding: 0;

margin: 0;

}

nav li {

display: inline;

margin-right: 20px;

}

.product-card {

border: 1px solid #ccc;

margin: 10px;

padding: 10px;

width: 300px;

display: inline-block;

}

.product-card img {

max-width: 100%;

}

/\* Add more styles as needed \*/

JS :

// JavaScript for product listing, cart functionality, and checkout process

// Sample code to add products to the page

const productListing = document.getElementById('product-listing');

function displayProduct(product) {

const productCard = document.createElement('div');

productCard.className = 'product-card';

const image = document.createElement('img');

image.src = product.image;

image.alt = product.name;

const name = document.createElement('h2');

name.textContent = product.name;

const description = document.createElement('p');

description.textContent = product.description;

const price = document.createElement('span');

price.className = 'price';

price.textContent = `$${product.price}`;

const addToCartButton = document.createElement('button');

addToCartButton.textContent = 'Add to Cart';

productCard.appendChild(image);

productCard.appendChild(name);

productCard.appendChild(description);

productCard.appendChild(price);

productCard.appendChild(addToCartButton);

productListing.appendChild(productCard);

// Add event listener to addToCartButton to handle adding to the cart

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

// Add the selected product to the cart

addToCart(product);

});

}

// Example product data

const products = [

{

name: 'Handcrafted Pottery',

image: 'pottery.jpg',

description: 'Beautiful handmade pottery.',

price: 50.00,

},

// Add more products as needed

];

// Display the products on the page

products.forEach(displayProduct);

// Implement functions for adding/removing items from the cart and the checkout process

CONCLUSION :

\*\*Conclusion:\*\*

In summary, the endeavor to construct an artisanal e-commerce platform utilizing IBM Cloud Foundry is a mission that holds the potential to unite the creativity of skilled artisans with a vast global audience. By creating an online marketplace tailored for handmade products, the project aspires to empower artisans and facilitate their ability to present their craftsmanship to the world. The integration of essential features, including secure shopping carts, reliable payment gateways, and an intuitive checkout process, underscores the commitment to providing a seamless and user-friendly experience.

As artisans and consumers increasingly turn to online platforms, this project is poised to play a pivotal role in bridging the gap between creators and appreciators of artisanal works. It embodies the convergence of technology and artistry, fostering an environment where unique, handcrafted creations can find their way into the homes and hearts of a global community.

The realization of this artisanal e-commerce platform has the potential to be more than a digital marketplace; it can serve as a testament to the power of technology to connect people across borders and cultures, while simultaneously supporting the preservation of craftsmanship in an ever-evolving digital world. With careful planning, dedicated execution, and a commitment to user satisfaction, this project can be a transformative force in the world of artisanal creation and commerce.