E-COMMERCE APPLICATION ON IBM CLOUD FOUNDRY CAD_PHASE5

FRONT END:

INDEX.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>E-Commerce Application</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
    <link rel="stylesheet" href="style.css">
</head>
<body>
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container-fluid" id="navbar">
      <a class="navbar-brand" href="#"><B>INFINITEE</B></a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
```

```
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarSupportedContent">
    <ul class="navbar-nav me-auto mb-2 mb-lg-0">
      <li class="nav-item" id="navbar">
        <a class="nav-link active" aria-current="page" href="#">HOME</a>
      </li>
      <li class="nav-item" id="navbar" >
        <a class="nav-link active" href="#">SERVICES</a>
      </li>
      <li class="nav-item dropdown">
        <a class="nav-link active" href="myaccount.html" > MY
          ACCOUNT
        </a>
      </li>
    </ul>
        <nav class="navbar" id="navbar">
  <div class="search-container">
        <input type="text" id="searchInput" placeholder="Search for
items...">
                <button onclick="searchItems()">Search</button>
            </div>
          </nav>
        </nav>
      </div>


          <div id="carouselExampleIndicators" class="carousel slide" data-bs- ride="carousel">
            <div class="carousel-indicators">
```

```
            <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="active" aria-current="true" aria-label="Slide 1"></button>
            <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-label="Slide 2"></button>
            <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-label="Slide 3"></button>
        </div>
        <div class="carousel-inner">
            <div class="carousel-item active">
                <img src="download (1).jpg" class="d-block w-100" alt="...">
            </div>
            <div class="carousel-item">
                <img src="download (2).jpg" class="d-block w-100" alt="...">
            </div>
            <div class="carousel-item">
                <img src="download (4).jpg" class="d-block w-100" alt="...">
            </div>
        </div>
    </div>

        <div class="product-container" id="productContainer">
    <div class="product-card-wrapper">
        <div id="productCardContainer-1">
                <div class="categories" id="categories1">
            <div class="row">
            <div class=" card" style="width: 18rem" >
                <img src="hho.jpg" alt="Product Image" class="product-image">
                <h2 class="product-title">Onepiece t-shirt</h2>
                <p class="product-price">PRICE:759</p>
```

```
                <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
            </div>
            <div class=" card" style="width: 18rem">
                <img src="hh2.jpg" alt="Product Image" class="product-image">
                <h2 class="product-title">Onepiece t-shirt</h2>
                <p class="product-price">PRICE:899</p>
                <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
            </div>
            <div class=" card" style="width: 18rem">
                <img src="hh3.jpg" alt="Product Image" class="product-image">
                <h2 class="product-title">Onepiece t-shirt</h2>
                <p class="product-price">PRICE:860</p>
                <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
            </div>
        </div>
    </div>
    <div>
        <div class="categories" id="categories2"></div>
        <div class="row">
            <div class="card" style="width: 18rem">
                <img src="jj1.jpg" alt="Product Image" class="product-image">
                <h2 class="product-title">Itachi tshirt</h2>
```

```
                    <p class="product-price">PRICE:799</p>
                    <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                    <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
                </div><div class="card" style="width:18rem">
                    <img src="jj3.jpg" alt="Product Image" class="product-image">
                    <h2 class="product-title">Sisune dress</h2>
                    <p class="product-price">PRICE:599</p>
                    <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                    <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
                </div><div class="card" style="width:18rem">
                    <img src="jj2.jpg" alt="Product Image" class="product-image">
                    <h2 class="product-title">Naruto tshirt</h2>
                    <p class="product-price">PRICE:399</p>
                    <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                    <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
                </div>
            </div>
        </div>
    </div>
    <div>
    <div class="categories" id="categories">
        <div class="row">
            <div class="card" style="width: 18rem">
                <img src="kk.jpg" alt="Product Image" class="product-image">
                <h2 class="product-title">Deathnote tshirt</h2>
```

```
                    <p class="product-price">PRICE:700</p>
                    <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                    <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
                </div><div class="card" style="width:18rem">
                    <img src="kk2.jpg" alt="Product Image" class="product-image">
                    <h2 class="product-title">Deathnote tshirt</h2>
                    <p class="product-price">PRICE:599</p>
                    <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                    <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
                </div><div class="card" style="width:18rem">
                    <img src="download.jpg" alt="Product Image" class="product-image">
                    <h2 class="product-title">Printed tshirt</h2>
                    <p class="product-price">PRICE:499</p>
                    <button class="add-to-cart" onclick="addToCart(1)">Add to Cart</button>
                    <button class="add-to-wishlist" onclick="addToWishlist(1)">Add to Wishlist</button>
                </div>
            </div>
        </div>
    </div>
    </div>
    </div>
    </div>
</div>
```

```html
<div class="wishlist-container" id="wishlistContainer">
    <!-- Wishlist Items will be dynamically added here -->
</div>


<div class="cart-container" id="cartContainer">
    <!-- Cart Items will be dynamically added here -->
</div>

    <script src="scrpt.js"></script>
</body>
</html>
```

STYLE.CSS

```css
.card {
    width: 250px; padding:
    30px;
    background-color: rgb(223, 227, 231);
    border-radius: 15px; /* Adjust the radius to control the curve */ box-shadow: 0
    8px 8px rgba(25, 22, 22, 0.1); /* Add a shadow */ margin: 30px;
}


.carousel-indicators .active {
    opacity: 1; /* Make the active dot fully visible */
}
```

```
/* Style the carousel control buttons */
.carousel-control-prev-icon,
.carousel-control-next-icon {
    background-color: #007bff; /* Change the color of the control icons */ color: rgb(223,
    227, 231); /* Set the color of the icon */
    border-radius: 50%; /* Make the icon circular */ padding: 10px; /*
    Adjust the padding around the icon */
}


/* Adjust the position of the control buttons */
.carousel-control-prev,
.carousel-control-next {
    width: auto;
    margin: 0; background:
    none;
}


/* Style the images within the carousel */
.carousel-inner img {
    object-fit: auto;
    max-height: 250px; /* Set a maximum height for the images */
}



/* Customize the caption text (if used) */
.carousel-caption {
    background-color: rgba(0, 0, 0, 0.5); /* Add a semi-transparent background */ color: #c95d6f; /*
```

```
Set the text color */
```

```
    padding: 10px; /* Add padding around the caption text */
}



/* Style the visually hidden class for accessibility */
.visually-hidden { position:
    absolute; width: 1px;
    height: 1px;
    clip: rect(1px, 1px, 1px, 1px); overflow:
    hidden;
    white-space: nowrap;
}



body {
    background-color: darkslategrey; font-
    family: Arial, sans-serif; margin: 0;
    padding: 20px;
}


.categories {
    margin-bottom: 30px;
}



h2 {
    margin-bottom: 10px;
```

```
}


.card {
    border: 1px solid #7e7777;
    border-radius: 8px; padding:
    10px;
    margin-bottom: 10px;
}


.card h3 {
    margin: 0;
}


.card p {
    margin: 10px 0;
}
```

SCRPT.JS:

```
function createProductCard(product) {
    const productCard = document.createElement("div");
    productCard.classList.add("product-card");


    productCard.innerHTML = `
```

```
<img src="product-image.jpg" alt="Product Image" class="product-image">
<h2 class="product-title">${product.title}</h2>
```

```
            <p class="product-price">${product.price}</p>
            <button class="add-to-cart" onclick="addToCart(${product.id})">Add to Cart</button>
            <button class="add-to-wishlist" onclick="addToWishlist(${product.id})">Add to Wishlist</button>
        `;

        return productCard;
}

// Function to add product cards to the product container function
renderProducts() {
            const productContainer = document.getElementById("productContainer"); const
            productCardWrapper = document.createElement("div");
            productCardWrapper.classList.add("product-card-wrapper");

            products.forEach(product => {
                const productCard = createProductCard(product);
                productCardWrapper.appendChild(productCard);
            });

            productContainer.appendChild(productCardWrapper);
        }

// Function to add a product to the cart function
addToCart(productId) {
    const product = products.find(p => p.id === productId);
```

```
const cartContainer = document.getElementById("cartContainer");
```

```
    const cartItem = document.createElement("div");
    cartItem.classList.add("cart-item");
    cartItem.textContent = `${product.title} - ${product.price}`;
    cartContainer.appendChild(cartItem);
}



// Function to toggle the visibility of the wishlist container function
toggleWishlist() {
    const wishlistContainer = document.getElementById("wishlistContainer");
    wishlistContainer.style.display = wishlistContainer.style.display === "none"
? "flex" : "none";
}



// Function to add a product to the wishlist function
addToWishlist(productId) {
    const product = products.find(p => p.id === productId);
    const wishlistContainer = document.getElementById("wishlistContainer"); const
    wishlistItem = document.createElement("div");
    wishlistItem.classList.add("wishlist-item");
    wishlistItem.textContent = `${product.title} - ${product.price}`;
    wishlistContainer.appendChild(wishlistItem);
}



// Function to toggle the visibility of the cart container function toggleCart() {
    const cartContainer = document.getElementById("cartContainer");
    cartContainer.style.display = cartContainer.style.display === "none" ? "flex"
```

: "none";

```
}



// Render the products when the page loads window.onload =
renderProducts;



function searchItems() {const
    searchInput =
document.getElementById("searchInput").value.toLowerCase();const
    productCards=document.querySelectorAll(".card");



    productCards.forEach(card=>{
        consttitle=card.querySelector(".product-title").textContent.toLowerCase();
        constprice=card.querySelector(".product-price").textContent.toLowerCase();



        if(title.includes(searchInput)||price.includes(searchInput)){card.style.display="block";
        }else{
            card.style.display="none";
        }
    });
}



function renderCategories() {
    const categoriesContainer=document.getElementById("categories");
```

```
        categories.forEach(category => {
            const categoryElement = document.createElement("div");
            categoryElement.classList.add("category");
            categoryElement.textContent = category;
            categoryElement.addEventListener("click", () => filterProducts(category));
            categoriesContainer.appendChild(categoryElement);
        });
    }


    function addToCart(productTitle) {
        alert(`Product "${productTitle}" added to cart!`);
    }



    function addToWishlist(productTitle) {
        alert(`Product "${productTitle}" added to wishlist!`);
    }


    const helpLink = document.getElementById("help-link");
        const settingsLink = document.getElementById("settings-link"); const
        orderLink = document.getElementById("order-link");
        const subwrap = document.querySelector(".subwrap");



        helpLink.addEventListener("click", function (e) { e.preventDefault();
            subwrap.innerHTML = "<h2>Help Center</h2><p>This is the Help Center content.</p>";
```

```
});



settingsLink.addEventListener("click", function (e) { e.preventDefault();
    subwrap.innerHTML = "<h2>Settings</h2><p>This is the Settings content.</p>";
});


orderLink.addEventListener("click", function (e) { e.preventDefault();
    subwrap.innerHTML = "<h2>Order Details</h2><p>This is the Order Details content.</p>";
});
```

MYACCOUNT.HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="body.css">
    <title></title>
</head>
<body>
    <header>
        <h1>Welcome to Your Account</h1>
    </header>
    <nav class="account-nav">
```

```html
    <ul>
        <li><a href="order.html">Order Details</a></li>
      <li><a href="help.html">Help Center</a></li>
      <li><a href="settings.html">Settings</a></li>

    </ul>
</nav>
<section class="subwrap">

    </section>
    <script src="scrpt.js"></script>
</body>
</html>
```

BODY.CSS:

```css
body {
    font-family: Arial, sans-serif; margin: 0;
    padding: 0;
    background-color: #f4f4f4;
}

header {
    background-color: #37475a;
    color: white;
    text-align: center;
    padding: 20px;
}
```

```
.account-nav ul {
    list-style:none;
    padding: 0;
    text-align: center;
    background-color:#37475a;
    margin: 0;
}

.account-nav li { display:
    inline; margin: 0 10px;
}

.account-nav a {
    text-decoration: none; color:
    rgb(240, 240, 244);
}

.subwrap {
    max-width: 800px; margin:
    20px auto; padding: 20px;
    background-color:#fff;
    border-radius: 5px;
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
}
```

BACK END:

Package lock json:

{
"name": "e-com",
"version": "1.0.0",
"lockfileVersion":
3, "requires": true,
"packages": {
"": {
"name": "e-com",
"version": "1.0.0",
"license": "ISC",
"dependencies
": {
"body-parser": "^1.20.2",
"ejs": "^3.1.9",
"express": "^4.18.2",
"express-session": "^1.17.3",
"mongoose": "^7.6.3",
"nodemon": "^3.0.1",
"passport": "^0.6.0",
"passport-local": "^1.0.0"
}
},
"node_modules/@mongodb-js/saslpr
ep": { "version": "1.1.0",
"resolved": "https://registry.npmjs.org/@mongodb-js/saslprep/-/saslprep-1.1.0.tgz",
"integrity": "sha512-
Xfijy7HvfzzqiOAhAepF4SGN5e9leLkMvg/OPOF97XemjfVCYN/oWa75wnkc6mltMSTwY+Xlbh
WgUOJmkFs pSw==",
"optional": true,
"dependencies
": {
"sparse-bitfield": "^3.0.3"

```
    }
  },
  "node_modules/@types/nod
    e": { "version": "20.8.9",
    "resolved": "https://registry.npmjs.org/@types/node/-/node-20.8.9.tgz",
    "integrity": "sha512-
UzykFsT3FhHb1h7yD4CA4YhBHq545JC0YnEz41xkipN88eKQtL6rSgocL5tbAP6Ola9Izm/Aw4O
ra8He4x0BH g==",
    "dependencies": {
      "undici-types": "~5.26.4"
    }
  },
  "node_modules/@types/webidl-conversi
    ons": { "version": "7.0.2",
    "resolved":
    "https://registry.npmjs.org/@types/webidl-conversions/-/webidl-conversions-7.0.2.tgz",
    "integrity": "sha512-
uNv6b/uGRLICVmelat2rA8bcVd3k/42mV2EmjhPh6JLkd35T5bgwR/t6xy7a9MWhd9sixIeBUzh
Benvk3NO+ DQ=="
  },
  "node_modules/@types/whatwg-u
    rl": { "version": "8.2.2",
    "resolved": "https://registry.npmjs.org/@types/whatwg-url/-/whatwg-url-8.2.2.tgz",
    "integrity": "sha512-
FtQu10RWgn3D9U4aazdwIE2yzphmTJREDqNdODHrbrZmmMqI0vMheC/6NE/J1Yveaj8H+ela
+YwWTjq5P GmuhA==",
    "dependencies": {
      "@types/node":
      "*",
      "@types/webidl-conversions": "*"
    }
  },
  "node_modules/abbrev": {
```

"version": "1.1.1",
"resolved": "https://registry.npmjs.org/abbrev/-/abbrev-1.1.1.tgz",
"integrity": "sha512-nne9/IiQ/hzIhY6pdDnbBtz7DjPTKrY00P/zvPSm5pOFkI6xuGrGnXn/VtTNNfNtAfZ9/1RtehkszU9qcTii0Q==",
},
"node_modules/accepts": { "version": "1.3.8",
"resolved": "https://registry.npmjs.org/accepts/-/accepts-1.3.8.tgz",
"integrity": "sha512-PYAthTa2m2VKxuvSD3DPC/Gy+U+sOA1LAuT8mkmRuvw+NACSaeXEQ+NHcVF7rONl6qcaxV3Uuemwawk+7+SJLw==",
"dependencies": {
"mime-types": "~2.1.34",
"negotiator": "0.6.3"
},
"engines": {
"node": ">=0.6"
}
},
"node_modules/ansi-styles": { "version": "4.3.0",
"resolved": "https://registry.npmjs.org/ansi-styles/-/ansi-styles-4.3.0.tgz",
"integrity": "sha512-zbB9rCJAT1rbjiVDb2hqKFHNYLxgtk8NURxZ3IZwD3F6NtxbXZQCnnSi1Lkx+IDohdPlFp222wVALIheZJQSEg==",
"dependencies": {
"color-convert": "^2.0.1"
},
"engines": {
"node": ">=8"

```
},
```

"funding": {
"url": "https://github.com/chalk/ansi-styles?sponsor=1"
}
},
"node_modules/anymatc
h": { "version": "3.1.3",
"resolved": "https://registry.npmjs.org/anymatch/-/anymatch-3.1.3.tgz",
"integrity": "sha512-KMReFUr0B4t+D+OBkjR3KYqvocp2XaSzO55UcB6mgQMd3KbcE+mWTyvVV7D/zsdEbNnV6acZUutkiHQXv Tr1Rw==",
"dependencies": {
"normalize-path": "^3.0.
0",
"picomatch": "^2.0.4"
},
"engines": {
"node": ">= 8"
}
},
"node_modules/array-flatte
n": { "version": "1.1.1",
"resolved": "https://registry.npmjs.org/array-flatten/-/array-flatten-1.1.1.tgz",
"integrity": "sha512-PCVAQswWemu6UdxsDFFX/+gVeYqKAod3D3UVm91jHwynguOwAvYPhx8nNlM++NqRcK6CxxpUafjmhIdK iHibqg=="
},
"node_modules/asyn
c": { "version": "3.2.4",
"resolved": "https://registry.npmjs.org/async/-/async-3.2.4.tgz",
"integrity": "sha512-iAB+JbDEGXhyIUavoDl9WP/Jj106Kz9DEn1DPgYw5ruDn0e3Wgi3sKFm55sASdGBNOQB8F59d9qQ7deqrH A8wQ=="

},
"node_modules/balanced-mat
ch": { "version": "1.0.2",
"resolved": "https://registry.npmjs.org/balanced-match/-/balanced-match-1.0.2.tgz",
"integrity": "sha512-
3oSeUO0TMV67hN1AmbXsK4yaqU7tjiHIbxRDZOpH0KW9+CeX4bRAaX0Anxt0tx2MrpRpWwQ
aPwIIISEJhY U5Pw=="
},
"node_modules/binary-extensio
ns": { "version": "2.2.0",
"resolved": "https://registry.npmjs.org/binary-extensions/-/binary-extensions-2.2.0.tgz",
"integrity": "sha512-
jDctJ/IVQbZoJykoeHbhXpOlNBqGNcwXJKJog42E5HDPUwQTSdjCHdihjj0DlnheQ7blbT6dHOa
fNAiS8ooQK A==",
"engines": {
"node": ">=8"
}
},
"node_modules/body-pars
er": { "version": "1.20.2",
"resolved": "https://registry.npmjs.org/body-parser/-/body-parser-1.20.2.tgz",
"integrity": "sha512-
ml9pReCu3M61kGlqoTm2umSXTlRTuGTx0bfYj+uIUKKYycG5NtSbeetV3faSU6R7ajOPw0g/J1P
vK4qNy7s5b A==",
"dependencies": {
"bytes": "3.1.2",
"content-type": "~1.0.5",
"debug": "2.6.9",
"depd": "2.0.0",
"destroy": "1.2.0",
"http-errors": "2.0.0",

"iconv-lite": "0.4.24",
"on-finished": "2.4.1",
"qs": "6.11.0",
"raw-body": "2.5.2",
"type-is": "~1.6.18",
"unpipe": "1.0.0"
},
"engines": {
"node": ">=
0.8",
"npm": "1.2.8000 || >= 1.4.16"
}
},
"node_modules/brace-expansi
on": { "version": "1.1.11",
"resolved": "https://registry.npmjs.org/brace-expansion/-/brace-expansion-1.1.11.tgz",
"integrity": "sha512-
iCuPHDFgrHX7H2vEI/5xpz07zSHB00TpugqhmYtVmMO6518mCuRMoOYFIdEBl0g187ufozdaH
gWKcYFb61 qGiA==",
"dependencies": {
"balanced-match": "^1.0.0",
"concat-map": "0.0.1"
}
},
"node_modules/brace
s": { "version": "3.0.2",
"resolved": "https://registry.npmjs.org/braces/-/braces-3.0.2.tgz",
"integrity": "sha512-
b8um+L1RzM3WDSzvhm6gIz1yfTbBt6YTIcEKAvsmqCZZFw46z626lVj9j1yEPW33H5H+IBQpZ
MP1k8l+78Ha 0A==",
"dependencies": {

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"chalk": "^4.0.2",
"filelist": "^1.0.4",
"minimatch": "^3.1.2"
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"mongodb-connection-string-url":
"^2.6.0", "socks": "^2.7.1"

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"kerberos": "^1.0.0 || ^2.0.0",
"mongodb-client-encryption": ">=2.3.0
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      "whatwg-url": "^11.0.0"
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      "mongodb": "5.9.0",
      "mpath": "0.9.0",
      "mquery": "5.0.0",
      "ms": "2.1.3",
      "sift": "16.0.1"
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"debug": "^3.2.7",
"ignore-by-default": "^1.0.1",
"minimatch": "^3.1.2",
"pstree.remy": "^1.1.8",
"semver": "^7.5.3",

"simple-update-notifier": "^2.0.0",

"supports-color": "^5.5.0",
"touch": "^3.1.0",
"undefsafe": "^2.0.5"
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ct": { "version": "1.13.1",

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"pause": "0.0.1",
"utils-merge": "^1.0.1"
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"funding": {
"type":
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"url": "https://github.com/sponsors/jaredhanson"
}
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"engines": {

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"funding": {

"url": "https://github.com/sponsors/jonschlinkert"

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},

"engines": {

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"dependencies": { "side-channel": "^1.0.4" },

"engines": { "node": ">=0.6" },

"funding": { "url": "https://github.com/sponsors/ljharb" }

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"node_modules/random-bytes": {

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"node": ">=

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}

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0.6"

}

},

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y": { "version": "2.5.2",

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"dependencies": {

"bytes": "3.1.2",

"http-errors": "2.0.0",

"iconv-lite": "0.4.24",

"unpipe": "1.0.0"

},

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0.8"
}
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},
"engines": {
"node":
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"funding": [
{
"type": "github",
"url": "https://github.com/sponsors/feross"
},
{
"type": "patreon",

"url": "https://www.patreon.com/feross"
},
{
"type": "consulting",
"url": "https://feross.org/support"
}
]
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"integrity": "sha512-
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},
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r": { "version": "7.5.4",
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"integrity": "sha512-
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t7WkwcA=
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"dependencies": {
"lru-cache": "^6.0.
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},
"bin": {
"semver": "bin/semver.js"
},
"engines": {
"node": ">=10"
}

},
"node_modules/send
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"resolved": "https://registry.npmjs.org/send/-/send-0.18.0.tgz",
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"dependencies": {
"debug": "2.6.9",
"depd": "2.0.0",
"destroy": "1.2.0",
"encodeurl": "~1.0.2",
"escape-html": "~1.0.3",
"etag": "~1.8.1",
"fresh": "0.5.2",
"http-errors": "2.0.0",
"mime": "1.6.0",
"ms": "2.1.3",
"on-finished": "2.4.1",
"range-parser": "~1.2.1",
"statuses": "2.0.1"
},
"engines": {
"node": ">=
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},

"node_modules/serve-static": {

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"resolved": "https://registry.npmjs.org/serve-static/-/serve-static-1.15.0.tgz",

"integrity": "sha512-XGuRDNjXUijsUL0vI6nSD7cwURuzEgglbOaFuZM9g3kwDXOWVTck0jLzjPzGD+TazWbboZYu52/9/XPdUgne 9g==",

"dependencies": {

"encodeurl":

"~1.0.2",

"escape-html": "~1.0.3",

"parseurl": "~1.3.3",

"send": "0.18.0"

},

"engines": {

"node": ">=

0.8.0"

}

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"node_modules/set-function-length": {

"version": "1.1.1",

"resolved": "https://registry.npmjs.org/set-function-length/-/set-function-length-1.1.1.tgz",

"integrity": "sha512-VoaqjbBJKiWtg4yRcKBQ7g7wnGnLV3M8oLvVWwOk2PdYY6PEFegR1vezXR0tw6fZGF9csVakIRjrJiy2veSBF Q==",

"dependencies": {

"define-data-property": "^1.1.1",

"get-intrinsic": "^1.2.1",

"gopd": "^1.0.1",

"has-property-descriptors": "^1.0.0"

},
"engines": {
"node": ">=
0.4"
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},
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{ "version": "1.2.0",
"resolved": "https://registry.npmjs.org/setprototypeof/-/setprototypeof-1.2.0.tgz",
"integrity": "sha512-
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"get-intrinsic": "^1.0.2",
"object-inspect": "^1.9.0"
},
"funding": {
"url": "https://github.com/sponsors/ljharb"
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"engines": { "node": ">=10" }
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"dependencies

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"smart-buffer": "^4.2.0"

},

"engines": {

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"npm": ">= 3.0.0"

}

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"engines": {

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      "has-flag": "^4.0.
      0"
    },
    "engines": {
      "node": ">=8"
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    "resolved":  "https://registry.npmjs.org/to-regex-range/-/to-regex-range-5.0.1.tgz",
    "integrity": "sha512-
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=",
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    },
    "engines": {
      "node":
      ">=8.0"
    }
  },
  "node_modules/toidentifier": {
    "version": "1.0.1",
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"node": ">=0.6"

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"resolved": "https://registry.npmjs.org/touch/-/touch-3.1.0.tgz",

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"dependencies": {

"nopt": "~1.0.10"

},

"bin": {

"nodetouch": "bin/nodetouch.js"

}

},

"node_modules/tr46": {

"version": "3.0.0",

"resolved": "https://registry.npmjs.org/tr46/-/tr46-3.0.0.tgz",

"integrity": "sha512-l7FvfAHlcmulp8kr+flpQZmVwtu7nfRV7NZujtN0OqES8EL4O4e0qqzL0DC5gAvx/ZC/9lk6rhcUwYvkBnBnYA==",

"dependencies": {

"punycode":

"^2.1.1"

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"engines": {

"node": ">=12"
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},
"node_modules/type-i
s": { "version": "1.6.18",
"resolved": "https://registry.npmjs.org/type-is/-/type-is-1.6.18.tgz",
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9BGm06XQBy 8g==",
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"media-typer":
"0.3.0",
"mime-types": "~2.1.24"
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"node": ">=
0.6"
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"integrity": "sha512-
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ML/lnaaVSRi oA==",
"dependencies": {
"random-bytes": "~1.0.
0"
},
"engines": {
"node": ">=
0.8"
}

```
},
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"node_modules/undefsaf
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"integrity": "sha512-
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/Ujd4CHV1iA== "
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"node_modules/undici-type
s": { "version": "5.26.5",
"resolved": "https://registry.npmjs.org/undici-types/-/undici-types-5.26.5.tgz",
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"engines": {
"node": ">=

0.4.0"

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},
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"resolved": "https://registry.npmjs.org/vary/-/vary-1.1.2.tgz",
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"node": ">=
0.8"
}
},
"node_modules/webidl-conversio
ns": { "version": "7.0.0",
"resolved":
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"integrity": "sha512-
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"node": ">=12"
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},
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"resolved": "https://registry.npmjs.org/whatwg-url/-/whatwg-url-11.0.0.tgz",
"integrity": "sha512-
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uvzbZIQgEcQ
==",
"dependencies": {
"tr46": "^3.0.0",
"webidl-conversions": "^7.0.0"

},
"engines": {
"node": ">=12"
}
},
"node_modules/yallist
": { "version": "4.0.0",
"resolved": "https://registry.npmjs.org/yallist/-/yallist-4.0.0.tgz",
"integrity": "sha512-
3wdGidZyq5PB084XLES5TpOSRA3wjXAlIWMhum2kRcv/41Sn2emQ0dycQW4uZXLejwKvg6E
svbdlVL+FYEc t7A=="
}
}
}

Package.json:

```
{
  "name": "e-com",
  "version": "1.0.0",
  "description": "",
  "main": "index.html",
  "scripts": {
    "start": "nodemon app.js",
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "body-parser": "^1.20.2",
    "ejs": "^3.1.9",
    "express": "^4.18.2",
```

```
    "express-session": "^1.17.3",
    "mongoose": "^7.6.3",
    "nodemon": "^3.0.1",
    "passport": "^0.6.0",
    "passport-local": "^1.0.0"
  }
}
```

App.js:

```
const express = require('express');
const bodyParser =
require('body-parser'); const session
= require('express-session'); const
passport = require('passport');
const LocalStrategy = require('passport-local').Strategy;

const app = express();

const path = require('path');

// Configure Express middleware app.use(bodyParser.
urlencoded({ extended: false }));
app.use(session({ secret: 'secret', resave: false, saveUninitialized:
false })); app.use(passport.initialize());
app.use(passport.session());
app.use(express.static(path.join(__dirname,
'public')));


// Mock data (replace with
database) const products = [
  { id: 1, name: 'Leather Jacket', price: 199.99, description: 'A stylish leather jacket.' },
```

```
  { id: 2, name: 'Leather Bag', price: 149.99, description: 'A high-quality leather bag.' },
  // Add more products here
];

// Mock users (replace with user
database) const users = [
  { id: 1, username: 'user1', password: 'password1' },
  { id: 2, username: 'user2', password: 'password2' },
  // Add more users here
];

// Passport configuration
passport.use(new LocalStrategy((username, password, done) => {
  const user = users.find(u => u.username === username && u.password ===
  password); if (user) {
    return done(null, user);
  } else {
    return done(null, false, { message: 'Incorrect username or password' });
  }
}));

passport.serializeUser((user, done) => {
  done(null, user.id);
});

passport.deserializeUser((id, done)
  => { const user = users.find(u =>
  u.id === id); done(null, user);
});
```

```
// Routes
app.get('/', (req, res) => {
  res.sendFile(__dirname + '/views/index.html');
});

app.get('/products', (req, res) => {
  res.json(products);
});

app.get('/products/:id', (req, res) => {
  const productId = parseInt(req.params.id);
  const product = products.find(p => p.id ===
  productId); if (product) {
    res.sendFile(__dirname + '/views/product.html');
  } else {
    res.status(404).send('Product not found');
  }
});

// Add routes for cart, login, payment, and user
profile const ip = '172.16.82.198'
const port = 3000;
app.listen(port,ip,() => {
  console.log(`Server is running on port ${ip}:${port}`);
});
```

Script.js:

```
// public/script.js document.addEventListener('DOMContentLoaded', () => {
const productList = document.getElementById('product-list');      //
Sample product data (you would fetch this from your server)    const
```

```
products = [      { id: 1, name: 'Leather Jackets', price: 199.99,
description: 'A stylish leather jacket.' },      { id: 2, name: 'Leather
Bag', price: 149.99, description: 'A high-quality leather bag.' },      //
Add more products here    ];      // Function to render the product list
function renderProductList() {      productList.innerHTML = '';
products.forEach(product => {        const li =
document.createElement('li');        li.innerHTML = `<a
href="/products/${product.id}">${product.name}</a>`;
productList.appendChild(li);      });}   // Initial rendering
renderProductList(); });
```

DATABASE:

IBM cloud is a vast data storage method . The IBM®Cloudant distributed database has a 99.99% SLA and is completely managed. It is designed for heavy workloads and quickly expanding online and mobile apps. For hybrid or multicloud systems, Cloudant's API and replication protocols are compatible with Apache CouchDB and it elastically scales throughput and storage. We have use cloudant database with json for creating datbases which were required for storaging information in ecommerce website by using ibm cloud.three databases are created for storing information.Database1 is used for storing product details,database2 is used for storing customer details and database3 is used for sale and order

Query: Datbase1:product details (IBM link for product details:

Datbase1:product details (IBM link for product details: { "id": "7eeb69405a1c1fee787bbe6ce927116f", "key": "7eeb69405a1c1fee787bbe6ce927116f",


```
[
  {
    "prod_id": "lp001",
    "product_name": "leather shoes",
    "description": "Stylish and durable footwear for everyday use",
    "price": "$50",
    "stock": "full"
  },
  {
    "prod_id": "lp002",
    "product_name": "leather bags",
    "description": "Elegant bags for a touch of sophistication",
    "price": "$70",
    "stock": "full"
  },
  {
    "prod_id": "lp004",
    "product_name": "leather belts",
```

"description": "Classic belts for a polished look",
"price": "$40",
"stock": "full"
},
{
"prod_id": "lp005",
"product_name": "leather jackets",
"description": "Timeless jackets for style and warmth",
"price": "$80",
"stock": "full"
},
{
"prod_id": "lp006",
"product_name": "leather gloves",
"description": "Cozy gloves for a touch of luxury",
"price": "$25",
"stock": "full"
},
{
"prod_id": "lp007",
"product_name": "leather wristwatch",
"description": "Stretchable wristwatch straps for personalization",
"price": "$20",
"stock": "full"
},
{
"prod_id": "lp008",
"product_name": "leather hats",
"description": "Fashionable hats for outdoor style",
"price": "$30",
"stock": "full"
}
]
Customer_deatils:
Database2:customer details(IBM link for customer details: { "id": "058a624389be77f19cf0e854a9ed05b0", "key": "058a624389be77f19cf0e854a9ed05b0", "value": { "rev": "1-944a1cf94daebcce92a5d811db164291" } })
{ "0": { "cus id": "li001", "fname": "abi", "lname": "naya", "gender": "F", " email_id": "abinaya06@gmail.com", "address": "no 4,keelaraja veedi ,thanjavur-614625, ph-no:9863457890" },
"1": { "cus id": "li002", "fname": "abinesh", "lname": "bath", "gender": "M", " email_id": "abiabinesh@gmail.com", "address": "no-436,maada veedi ,cumbum,theni-600875,ph-no:8882657},
"2": { "cus id": "li003", "fname": "lansuri", "lname": "", "gender": "F", " email_id": "lansu2003@gmail.com", "address": "no-436,mgr

nagar ,sollinganallur,chennai-600011,ph-no:8626987090" }, "3": { "cus id": "li004", "fname": "siva", "lname": "sakthi", "gender": "O", " email_id": "sivasakthi10@gmail.com", "address": "no-424,muslim street,old town ,cuddalore-600005,ph-no:8751723120"},
"4": { "cus id": "li005", "fname": "zach", "lname": "hamin", "gender": "M", " email_id": "riderzachh@gmail.com", "address": "no-7,north
st ,thaiyur,kallakuruchi-610875,ph-no:8229317890" }, "_id": "058a624389be77f19cf0e854a9ed05b0", "_rev": "1-944a1cf94daebcce92a5d811db164291}]
Database 3:sales and transaction:(IBM link for sales& transaction:
{ "id": "0e2c158d1f8c6cbf3f1fa40285a6d5c5", "key": "0e2c}) [{
"order id":"OCP001", "customer id":"li002", "product id":"lp002", "order date":"20/04/2023", "received by":"23/04/2023", "quantity":"1", "total":"$51" },
{ "order id":"OCP002", "customer id":"li003", "product id":"lp001", "order date":"21/04/2023", "received by":"24/0158d1f8c6cbf3f1fa40285a6d5c5", "value": { "rev": "1-d3561814f3848fa3fbb2e73b84cb7ccf"}}
{ "order id":"OCP004", "customer id":"li005", "product id":"lp003", "order date":"26/04/2023", "received by":"29/04/2023", "quantity":"2", "total":"$82" },
{ "order id":"OCP005", "customer id":"li001", "product id":"lp007", "order date":"30/04/2023", "received by":"02/05/2023","quantity":"1", "total":"$41"],.

SCREENSHOTS:

Itachi tshirt
PRICE:799
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Sisune dress
PRICE:599
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Add to Wishlist
Naruto tshirt
PRICE:399
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