		Marwadi University
		Faculty of Technology
		Department of Information and Communication Technology

Subject: Advanced Web Technology	Aim: Amazon or Flipkart Clone	
Experiment :- 9	Date:- 15-04-2025	Enrollment No:- 92200133003

EcommerceApp.jsx

```jsx
import { useState } from 'react';
import './style.css';

export default function EcommerceApp() {
 // Sample product data
 const initialProducts = [
   { id: 1, name: 'Laptop', price: 999, category: 'Electronics' },
   { id: 2, name: 'Headphones', price: 99, category: 'Electronics' },
   { id: 3, name: 'T-shirt', price: 25, category: 'Clothing' },
   { id: 4, name: 'Jeans', price: 45, category: 'Clothing' },
   { id: 5, name: 'Coffee Mug', price: 15, category: 'Home' },
   { id: 6, name: 'Desk Lamp', price: 35, category: 'Home' }
 ];

 // State management
 const [products] = useState(initialProducts);
 const [cart, setCart] = useState([]);
 const [activeCategory, setActiveCategory] = useState('All');
 const [showCart, setShowCart] = useState(false);

 // Get unique categories
 const categories = ['All', ...new Set(products.map(product => product.category))];

 // Filter products by category
 const filteredProducts = activeCategory === 'All'
  ? products
  : products.filter(product => product.category === activeCategory);

 // Add to cart function
 const addToCart = (product) => {
  const existingItem = cart.find(item => item.id === product.id);

  if (existingItem) {
   setCart(cart.map(item =>
    item.id === product.id
     ? { ...item, quantity: item.quantity + 1 }
     : item
   ));
  } else {
   setCart([...cart, { ...product, quantity: 1 }]);
  }
 };

 // Remove from cart function
 const removeFromCart = (productId) => {
  setCart(cart.filter(item => item.id !== productId));
 };

 // Calculate total price
 const totalPrice = cart.reduce((total, item) => total + (item.price * item.quantity), 0);

 return (
```

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```
<div className="container">
 <header>
  <h1 className="shop-title">Simple Shop</h1>
  <button
   onClick={() => setShowCart(!showCart)}
   className="cart-button"
  >
   Cart ({cart.reduce((total, item) => total + item.quantity, 0)})
  </button>
 </header>

 <div className="main-layout">
  {/* Main content */}
  <div className={`content-area ${showCart ? 'cart-visible' : ''}`}>
   {/* Category tabs */}
   <div className="category-container">
    {categories.map(category => (
     <button
      key={category}
      className={`category-tab ${activeCategory === category ? 'active' : 'inactive'}`}
      onClick={() => setActiveCategory(category)}
     >
      {category}
     </button>
    ))}
   </div>

   {/* Products grid */}
   <div className="products-grid">
    {filteredProducts.map(product => (
     <div key={product.id} className="product-card">
      <div className="product-image">
       Product Image
      </div>
      <h3 className="product-name">{product.name}</h3>
      <p className="product-category">{product.category}</p>
      <p className="product-price">${product.price}</p>
      <button
       onClick={() => addToCart(product)}
       className="add-to-cart-button"
      >
       Add to Cart
      </button>
     </div>
    ))}
   </div>
  </div>

  {/* Cart sidebar */}
  <div className={`cart-sidebar ${showCart ? '' : 'cart-hidden'}`}>
   <div className="cart-header">
    <h2 className="cart-title">Your Cart</h2>
    <button
     onClick={() => setShowCart(false)}
     className="close-cart-button"
```

```
      >
       Close
      </button>
     </div>

     {cart.length === 0 ? (
      <p className="empty-cart-message">Your cart is empty</p>
     ) : (
      <>
       <div className="cart-items">
        {cart.map(item => (
         <div key={item.id} className="cart-item">
          <div className="cart-item-info">
           <p>{item.name}</p>
           <p>${item.price} × {item.quantity}</p>
          </div>
          <div className="cart-item-price-actions">
           <p className="cart-item-price">${item.price * item.quantity}</p>
           <button
            onClick={() => removeFromCart(item.id)}
            className="remove-item-button"
           >
            ×
           </button>
          </div>
         </div>
        ))}
       </div>
       <div className="cart-total">
        <span>Total:</span>
        <span>${totalPrice}</span>
       </div>
       <button className="checkout-button">
        Checkout
       </button>
      </>
     )}
    </div>
   </div>
  </div>
 );
}
```

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OUTPUT