***ShopOnline - E-Commerce Website***

***Project Documentation***

***Project Description***

***ShopOnline is a modern, dark-themed e-commerce web application built using React.js and Tailwind CSS. It provides a seamless online shopping experience, featuring a variety of products such as shoes, dresses, handbags, glasses, and makeup items. The platform includes essential e-commerce functionalities like product browsing, cart management, and customer testimonials, offering an engaging and responsive UI.***

***Technology Stack***

| ***Technology*** | ***Purpose*** |
| --- | --- |
| ***React.js*** | ***Frontend framework for building UI components*** |
| ***Tailwind CSS*** | ***Styling framework for a modern and responsive design*** |
| ***React Context API*** | ***Global state management for cart functionality*** |
| ***React Router*** | ***Navigation and page routing*** |
| ***JavaScript (ES6)*** | ***Core programming language*** |
| ***Local Storage*** | ***Cart persistence across page reloads*** |

***Key Features***

***✅ Dark Theme with High Contrast - Enhances visual appeal with Tailwind CSS.  
✅ Fully Responsive Design - Works on desktops, tablets, and mobile devices.  
✅ Product Listings - Displays multiple products with images and prices.  
✅ Cart Management - Add/remove items from the cart dynamically.  
✅ Categories Section - Browse items based on different categories.  
✅ Featured Products - Highlights trending products.  
✅ Customer Testimonials - Displays user reviews for trust-building.***

***🛠 Project Workflow***

***1️⃣Home Page***

***📍 File: src/pages/Home.js***

* ***Displays product categories using Categories.js.***
* ***Lists products dynamically using ProductCard.js.***
* ***Highlights featured products with FeaturedProducts.js.***
* ***Shows customer reviews using Testimonials.js.***

***2️⃣ Product Listing***

***📍 File: src/components/ProductCard.js***

* ***Displays products dynamically with name, price, and image.***
* ***Includes "Add to Cart" button to add items to the shopping cart.***

***3️⃣ Shopping Cart***

***📍 File: src/pages/Cart.js***

* ***Shows all items added to the cart.***
* ***Allows users to increase/decrease quantity or remove items.***
* ***Calculates and displays total price dynamically.***
* ***Uses React Context API to manage cart state.***

***4️⃣ Navigation and Routing***

***📍 File: src/App.js***

* ***Uses React Router to navigate between pages (Home, Cart).***
* ***Includes a Navbar with links to different sections.***

***5️⃣ State Management (Cart)***

***📍 File: src/context/CartContext.js***

* ***Uses React Context API to manage the cart state globally.***
* ***Stores the cart items in Local Storage for persistence.***

***Folder Structure***

***ShopOnline/***

***│── public/ # Static assets (images, icons)***

***│── src/***

***│ ├── components/ # Reusable UI components***

***│ │ ├── Navbar.js***

***│ │ ├── ProductCard.js***

***│ │ ├── FeaturedProducts.js***

***│ │ ├── Categories.js***

***│ │ ├── Testimonials.js***

***│ ├── pages/ # Main pages of the app***

***│ │ ├── Home.js***

***│ │ ├── Cart.js***

***│ ├── context/ # Global state management***

***│ │ ├── CartContext.js***

***│ ├── App.js # Main app file***

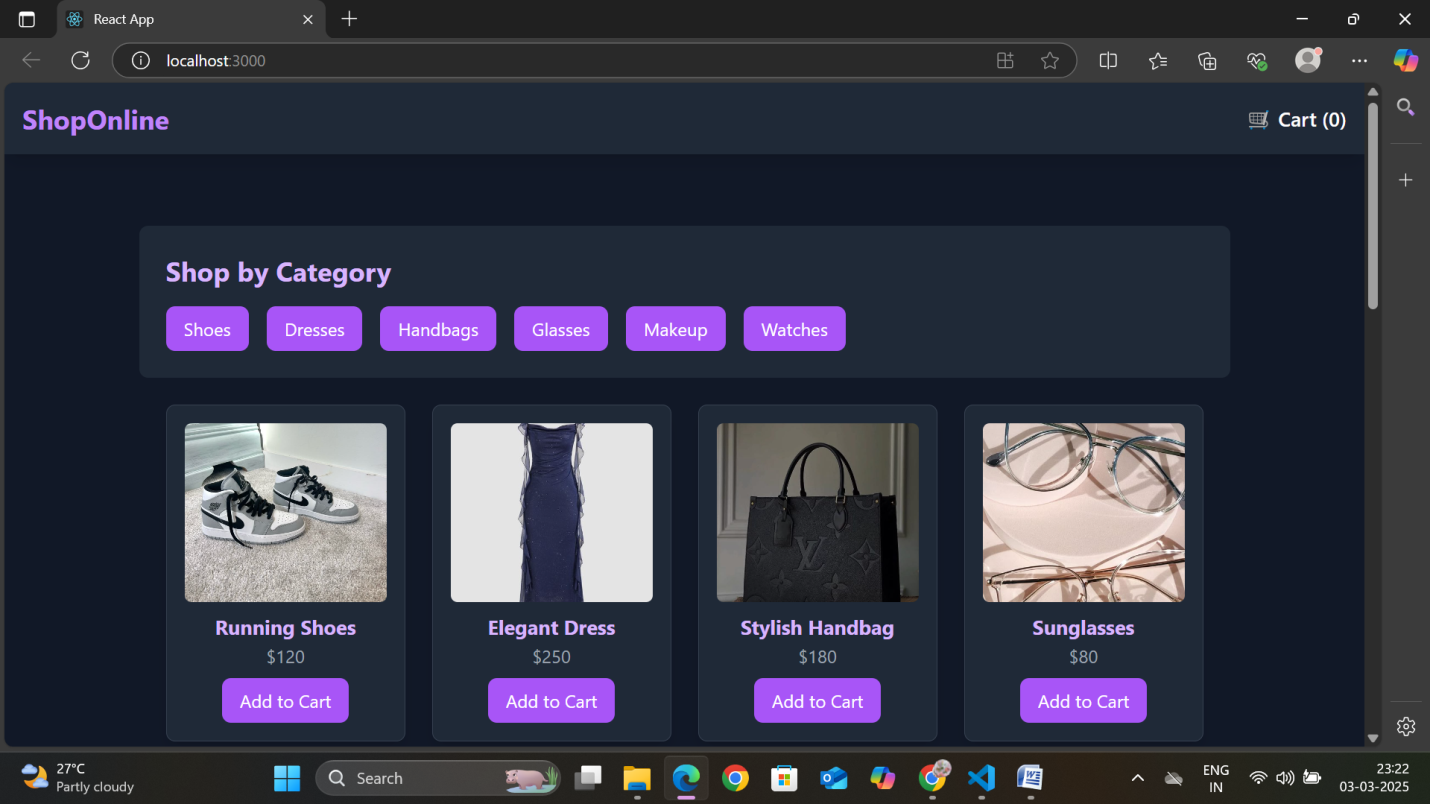
***│ ├── index.js # React entry point***

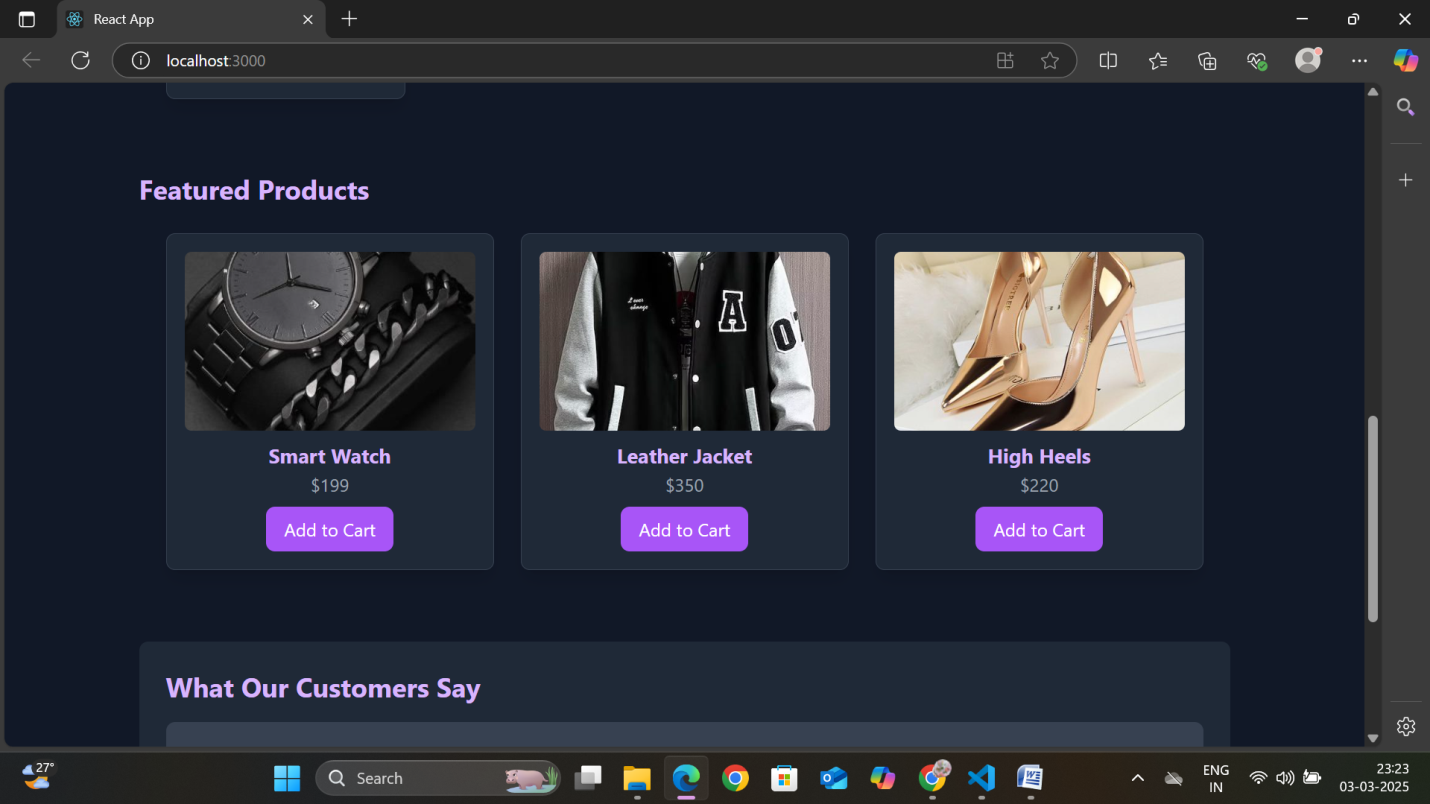
***│── package.json # Dependencies and scripts***

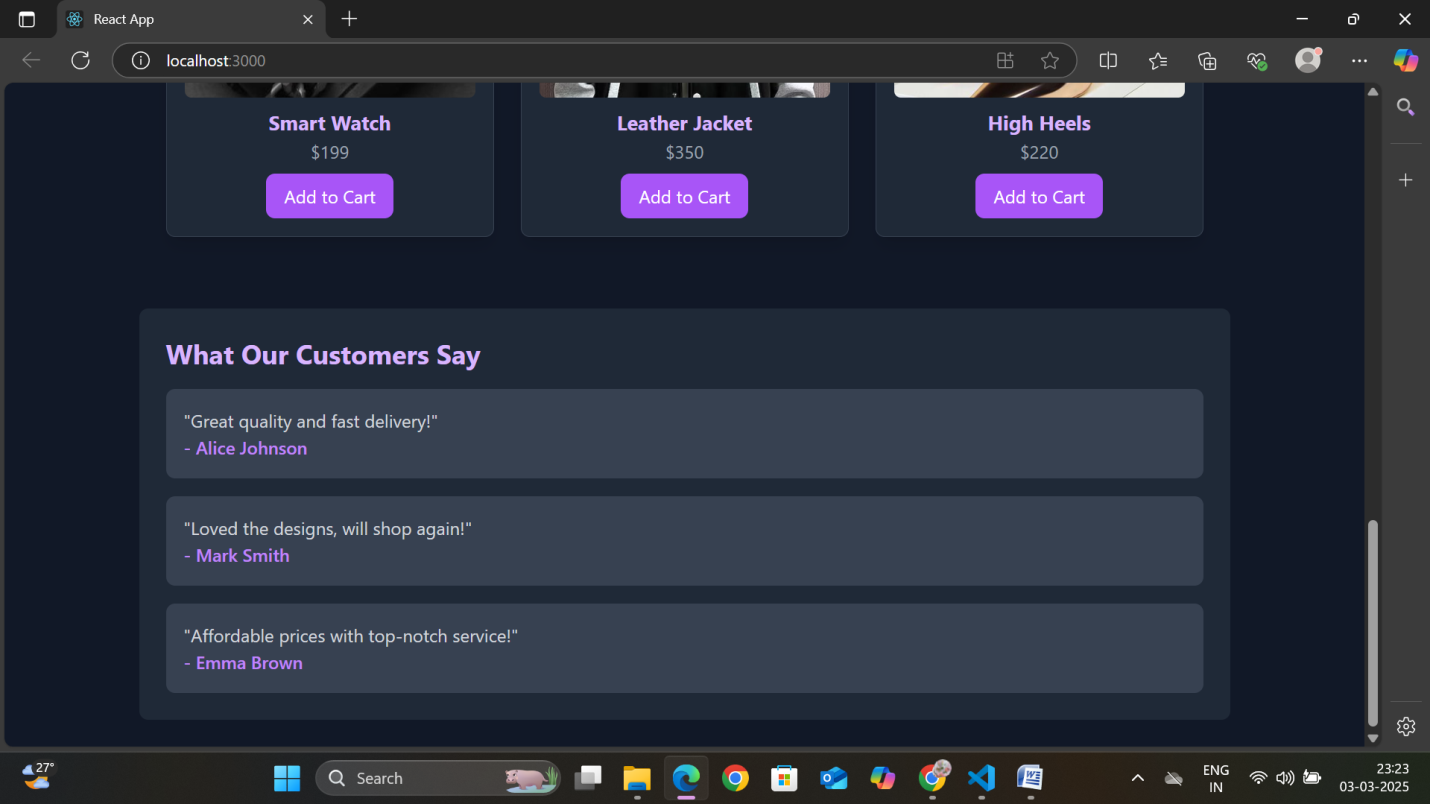
***│── tailwind.config.js # Tailwind CSS configuration***

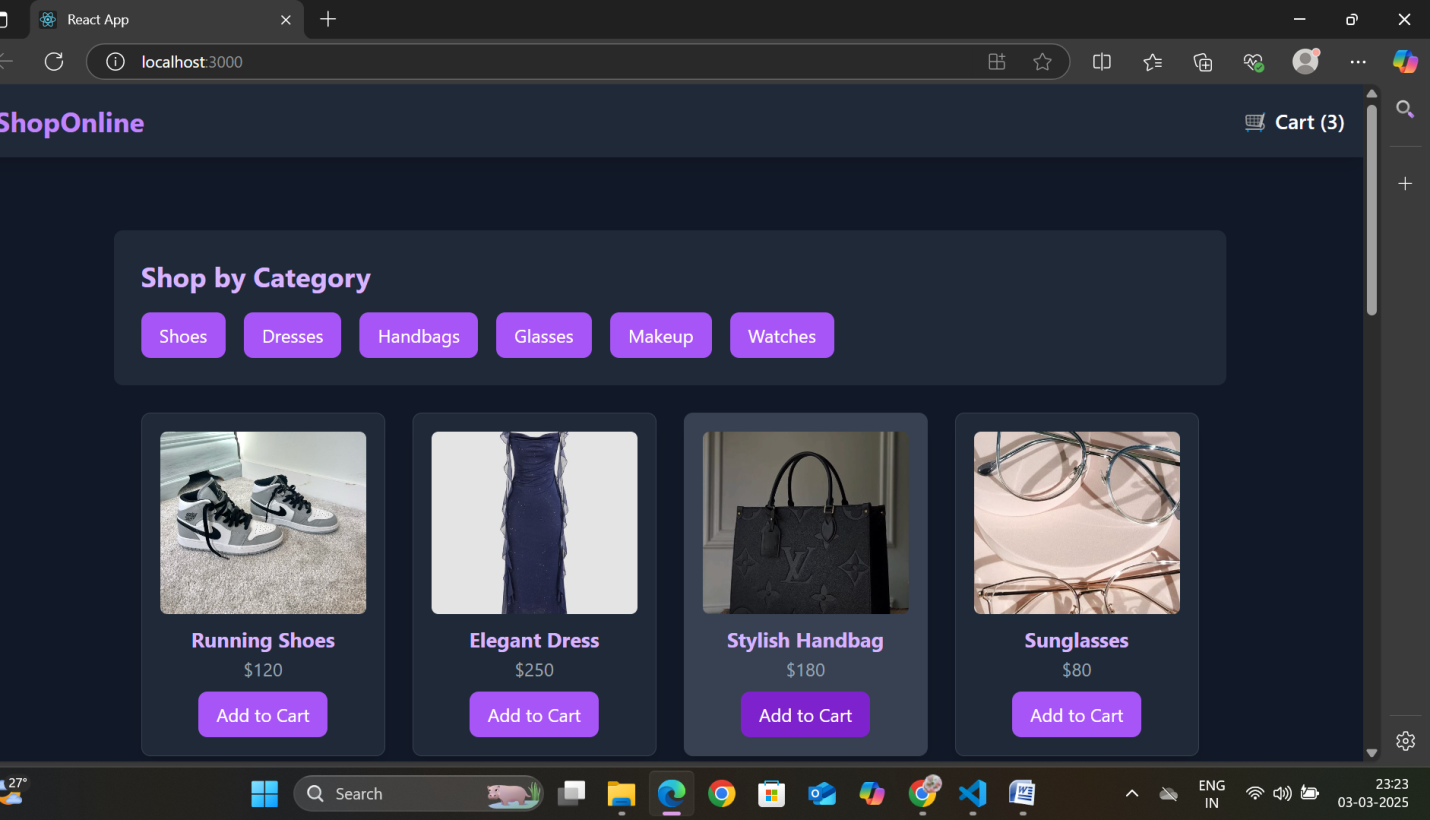
***│── README.md # Project documentation***

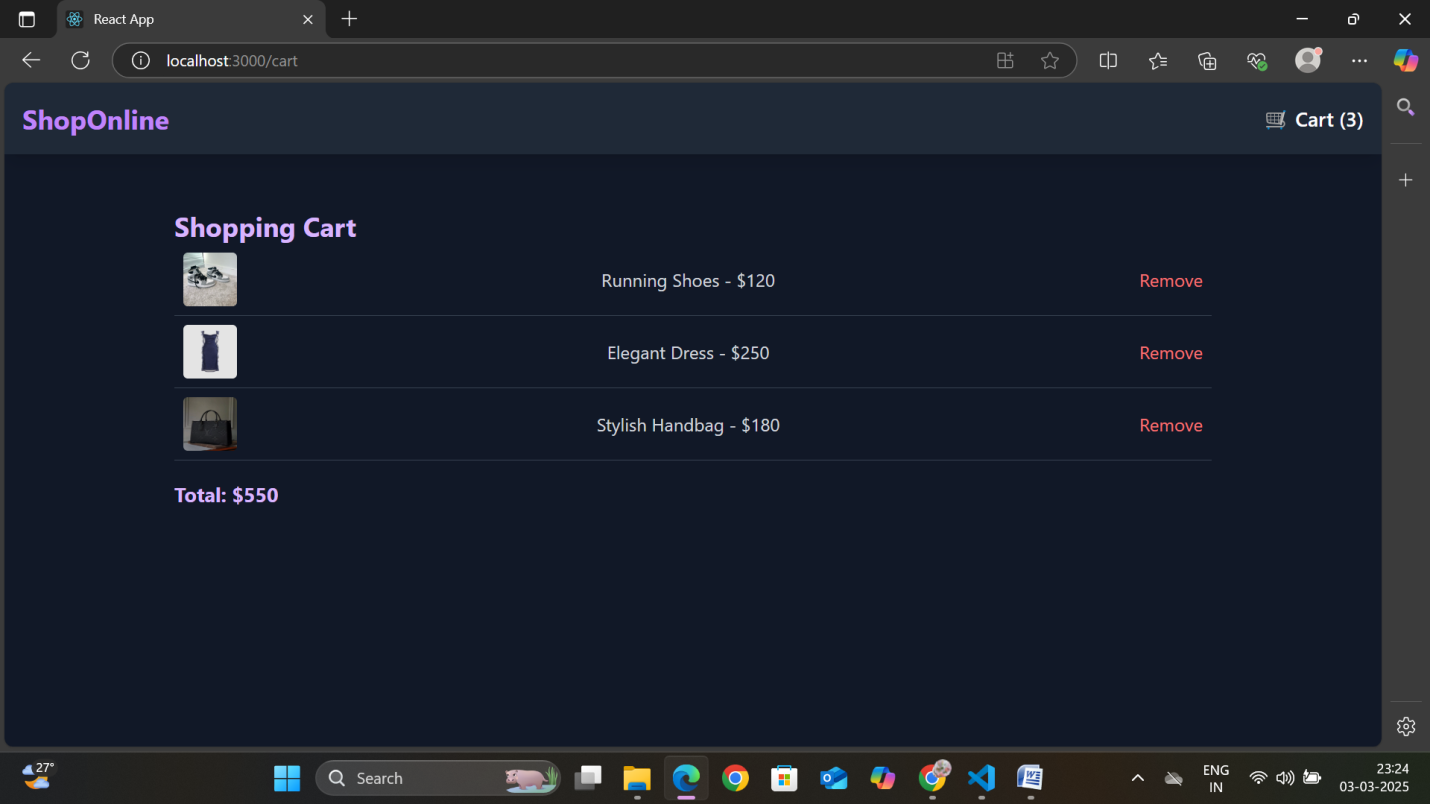
***Output ScreenShots***

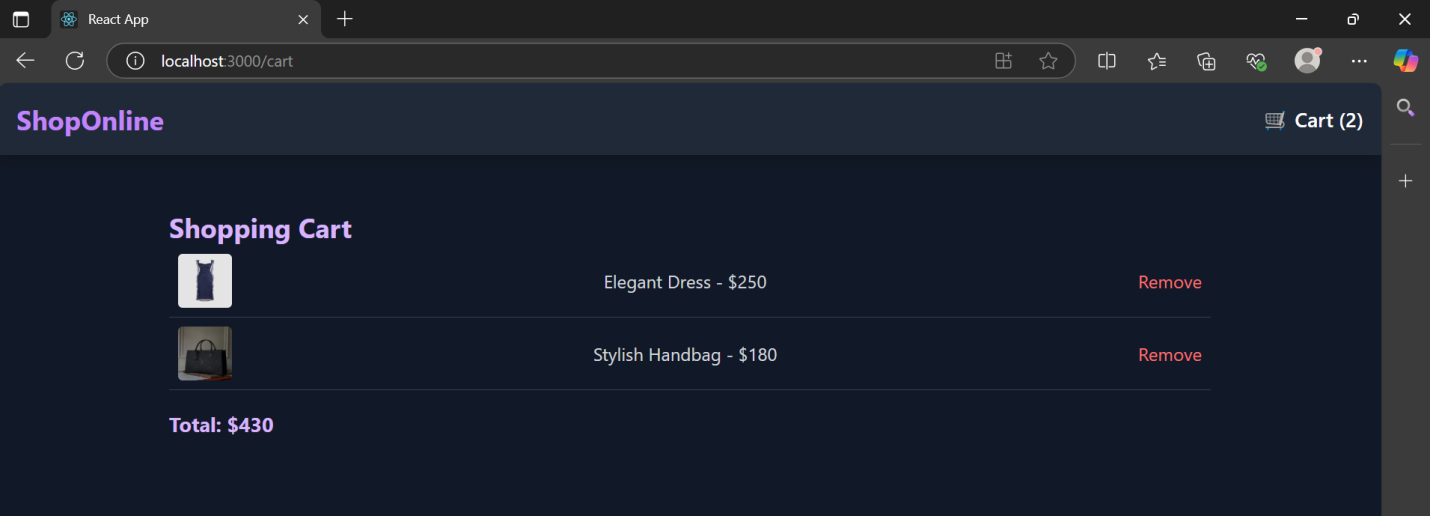
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