Day: 04

<u>Dynamic Frontend Component:</u> Goal:

"Goal for day 04 is to display data from sanity CMS or APIs with individual product listing and detail pages using dynamic routing along with Modular, reusable components and specific filters."

Key Points:

- Dynamic frontend components are interactive, reusable UI element that adapt to user input, data changes, or application state.
- I used to enhance user experience by providing real-time updates, and seamless interactions without requiring full page reloads.
- Add dynamic product filters, shopping carts and recommendation systems.
- I add real time data visualizations, drag and drop widgets, and customizable layouts.
- I made fully responsive website that can easily be used in mobile phones and other devices.

Here some code snippets of dynamic routing and filters:

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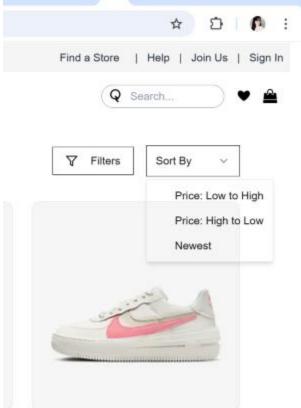
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                                                                                                                                        const ( id ) = avait params (parameter) p: Items
const product = feature.find(p => p.id === parseInt(id))
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}
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   return feature.map((product) => ({
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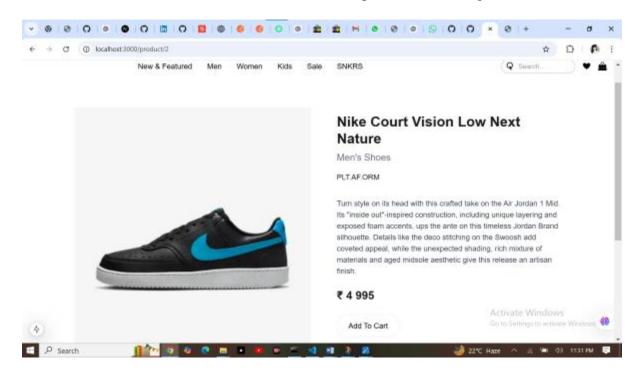
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       EXPLOSES.
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            page.tex srt/app...
                                   import React, { createContext, useContext, useEffect } from 'react'
import ( feature ) from '@/asp/Cart/Data/detail';

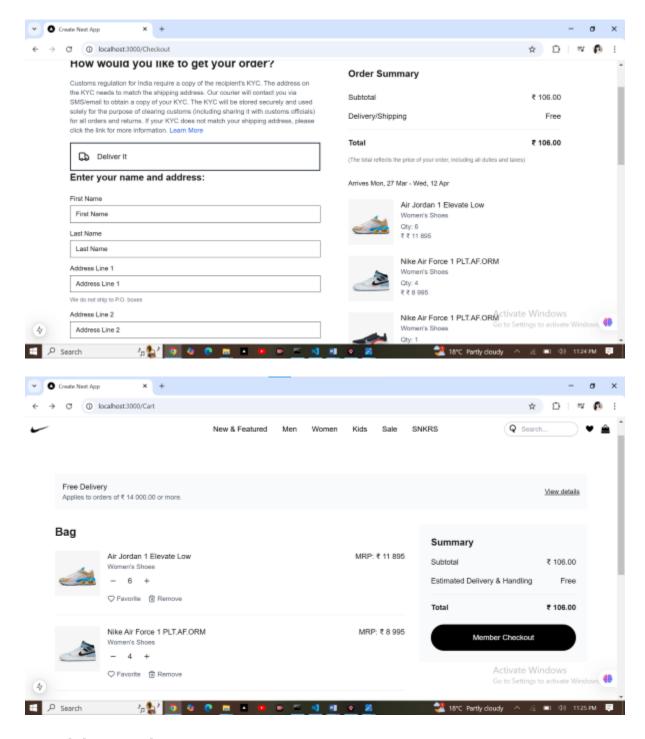
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                                           cartItems: CartItem[]
                                        cartctems: circlem;
addToCart: (productId: number) => void
removeFromCart: (productId: number) => void
updateQuantity: (productId: number, quantity: number) => void
                                        const CartContext = createContext(CartContextType | undefined)(undefined)
                                   21 export function CartProvider({ children }: { children: ReactReactNode }) {
22 | const [cartItees, setCartItens] = useState(CartItee(]>([])
           > Featured
          > Feed
                                              const savedCart = localStorage.getItem("cart")
          ) Login
                                                setCartItems(350N.parse(savedCart))
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• I have implemented a validate dynamic route parameters to ensure they match expected formats (e.g. numeric IDs and validate slug.



Add filters and sorting for specific and better products according to demand.





Intuitive Design:

• The" Add to Cart" button is prominently placed and visually appealing, ensuring users can easily add items to their cart.

Item Quantity Adjustment:

• Users can easily increase and decrease the quantity of items directly from the cart.