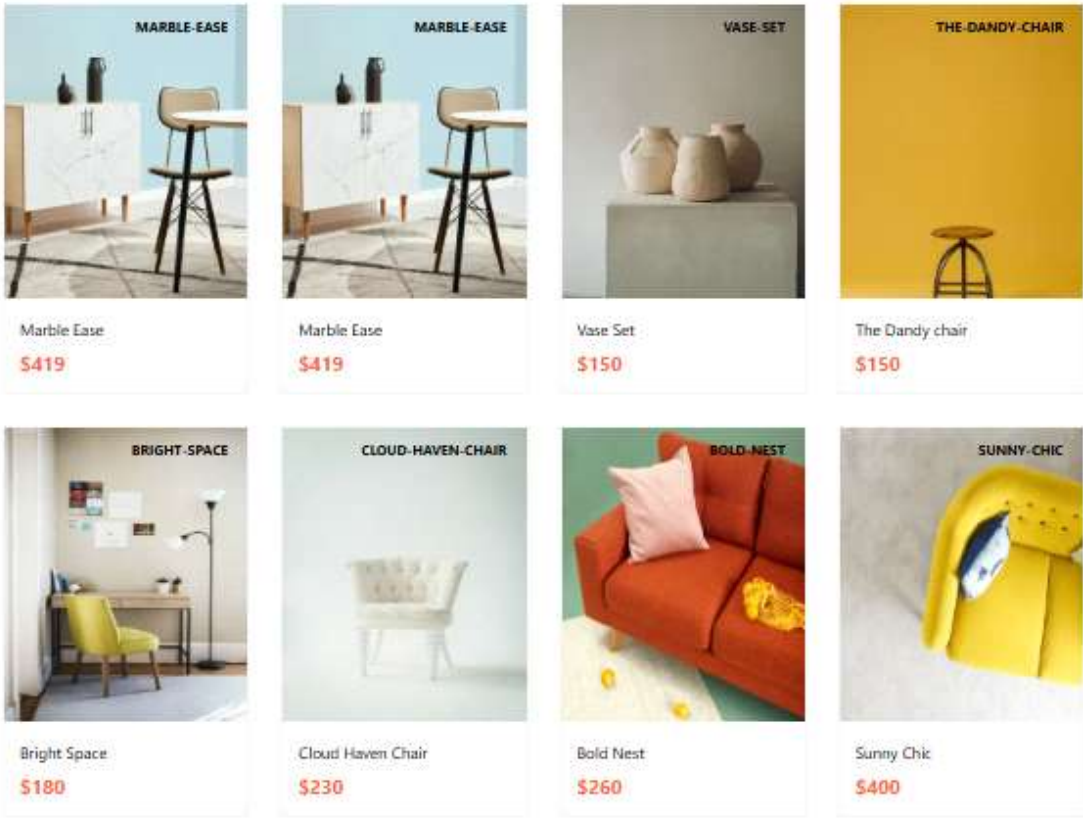
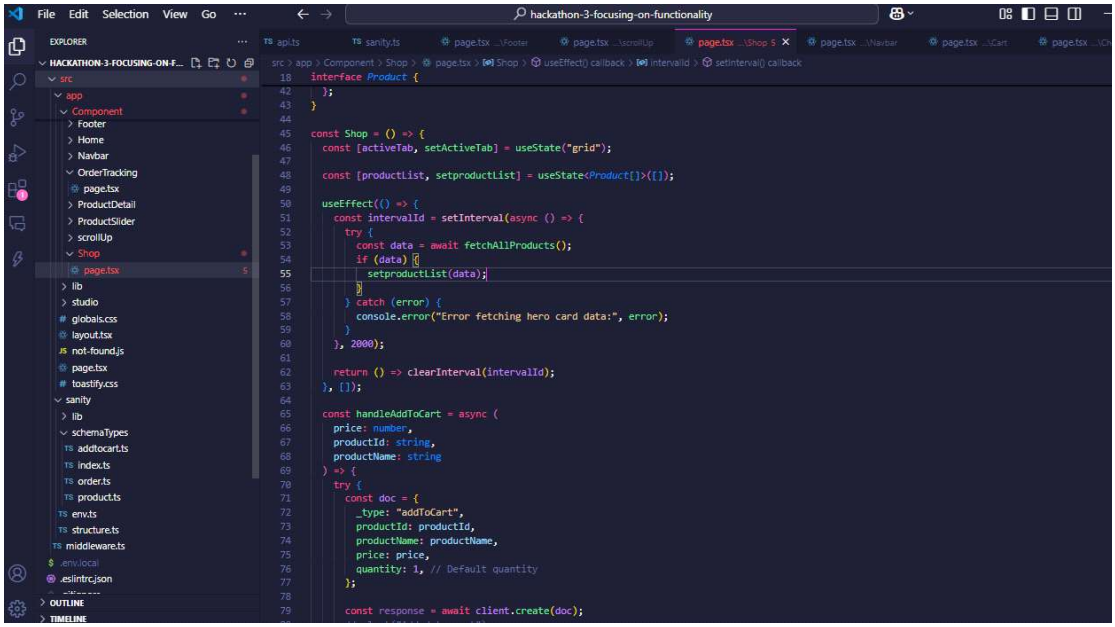
Day 4 - Dynamic Frontend Components - Sinp Ecommerce

Functional Deliverables:

1) Product listing page with dynamic data:

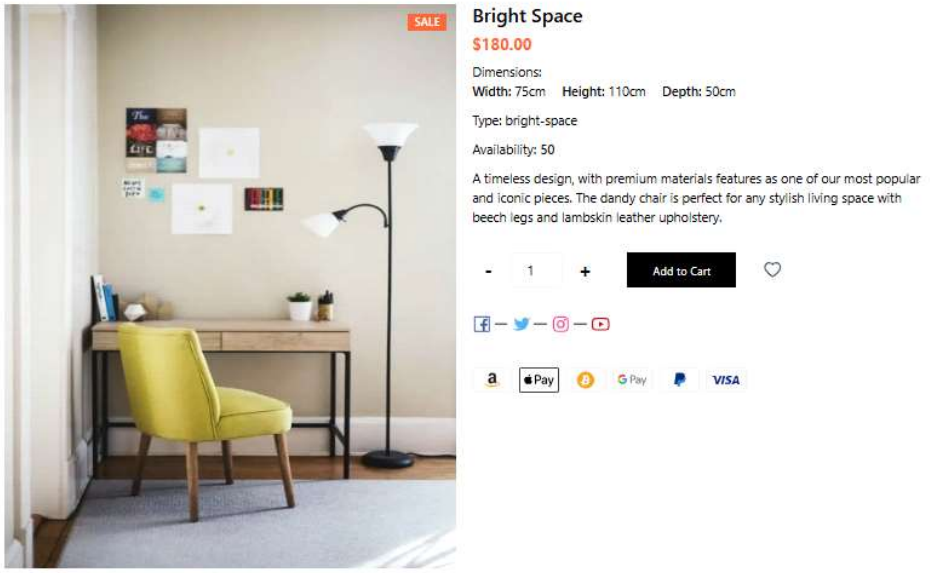
The product listing page seamlessly retrieves and showcases product data from Sanity CMS or APIs in real time. Each product is beautifully presented in an eye-catching card format, featuring its vibrant image, compelling name, and competitive price.

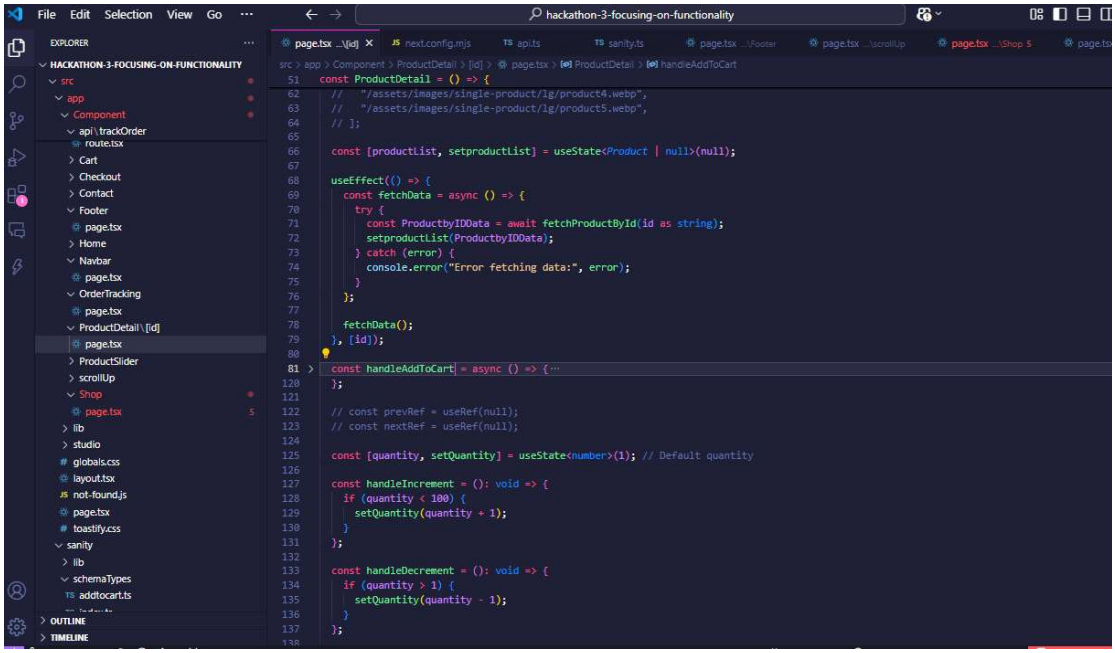




2) Individual product detail pages:

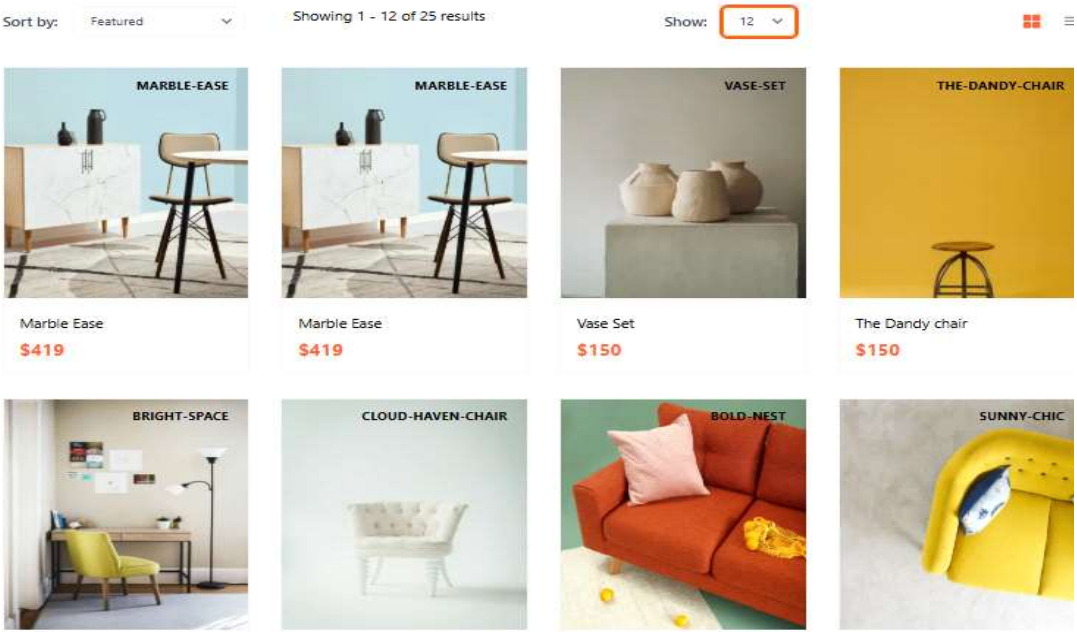
Each product detail page dynamically fetches and renders data using dynamic routing ([id].ts). The page is uniquely crafted to showcase product-specific details, including the product name, image, description, dimensions, and more. This ensures a personalized and engaging shopping experience for the users.

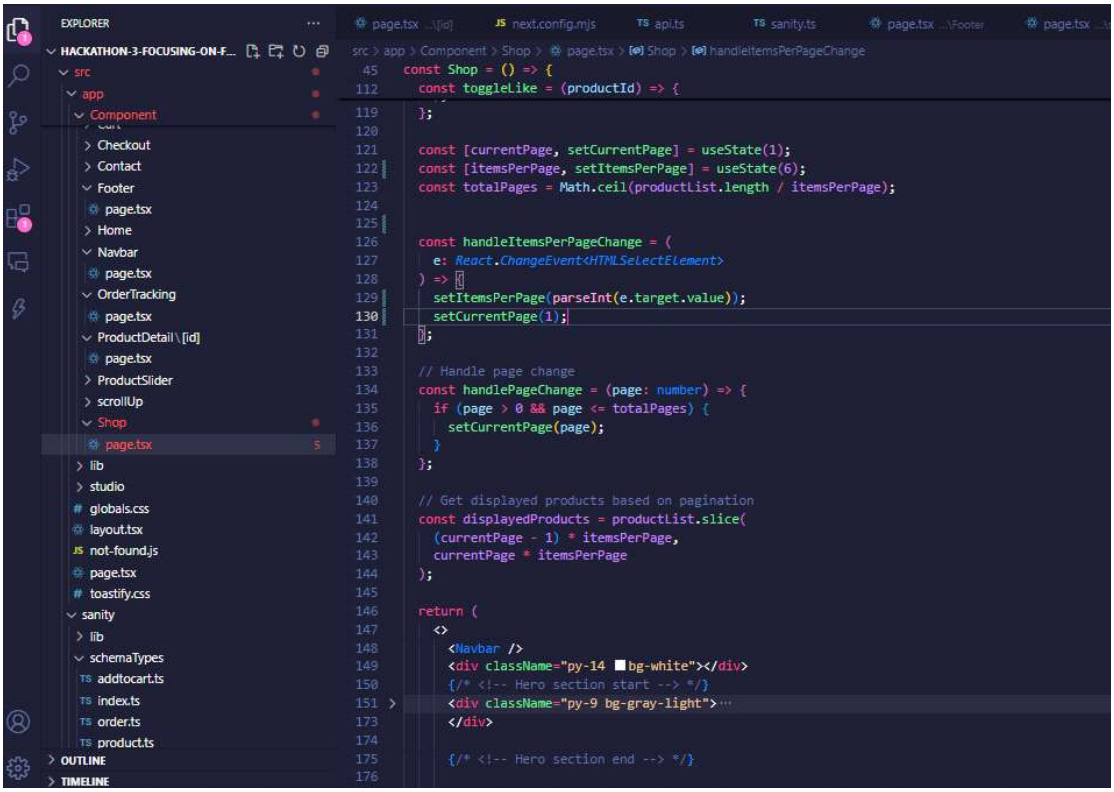




3) Working Pagination:

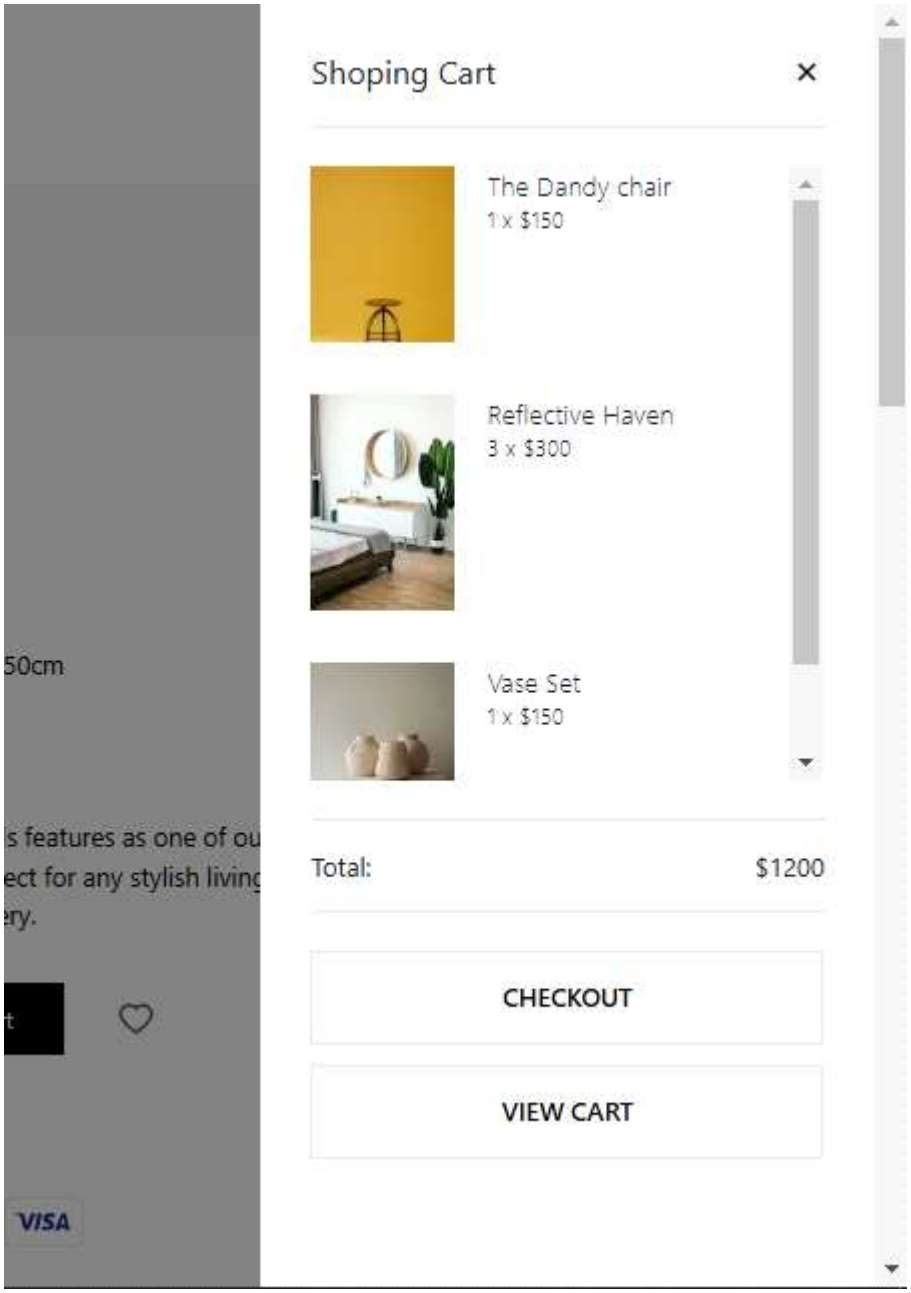
The product listing page is equipped with a fully functional pagination system, allowing users to seamlessly navigate through multiple pages of products. The pagination dynamically loads product data for the selected page, ensuring an efficient and user-friendly browsing experience.





4) Add to Cart Functionality:

Implementing a seamless Add to Cart functionality, this feature allows users to easily add products to their cart from the product listing page. It dynamically updates the cart state, enabling users to view their selected items and proceed to checkout. This enhances the shopping experience by making product selection and cart management smooth and efficient.


Shoping Cart
The Dandy chair
1 x $150
Reflective Haven
3 x $300
Vase Set
1 x $150
Total:
$1200
CHECKOUT
VIEW CART
50cm
s features as one of ou
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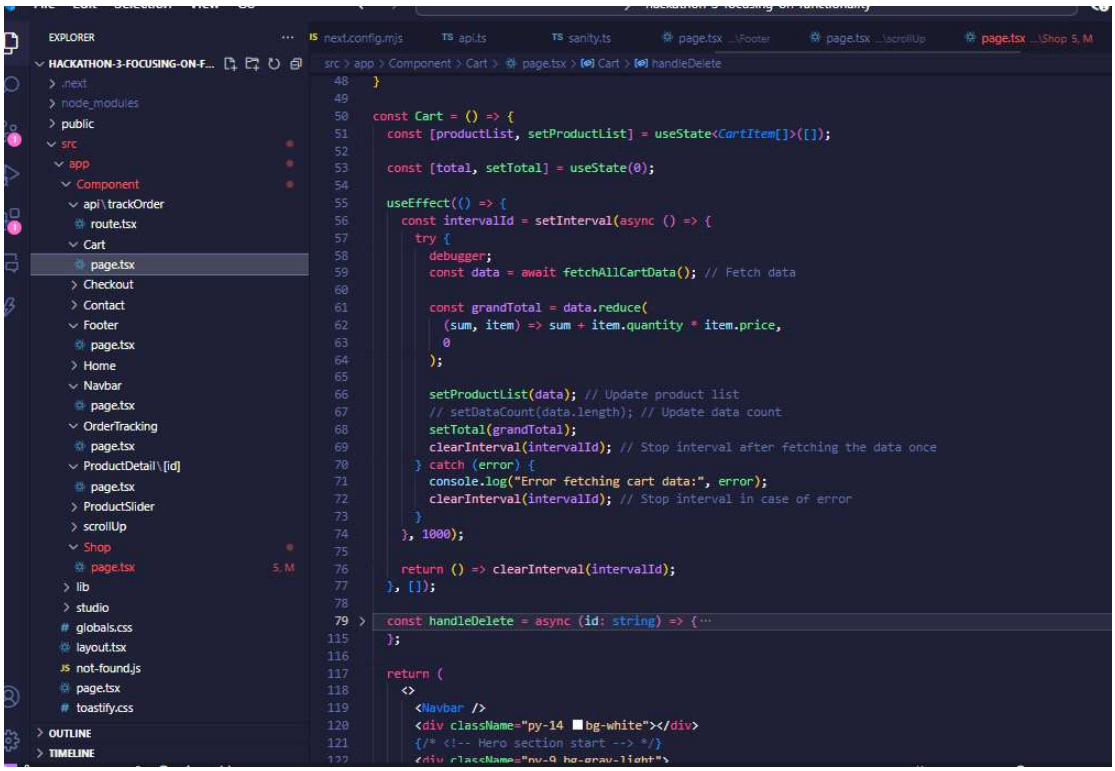
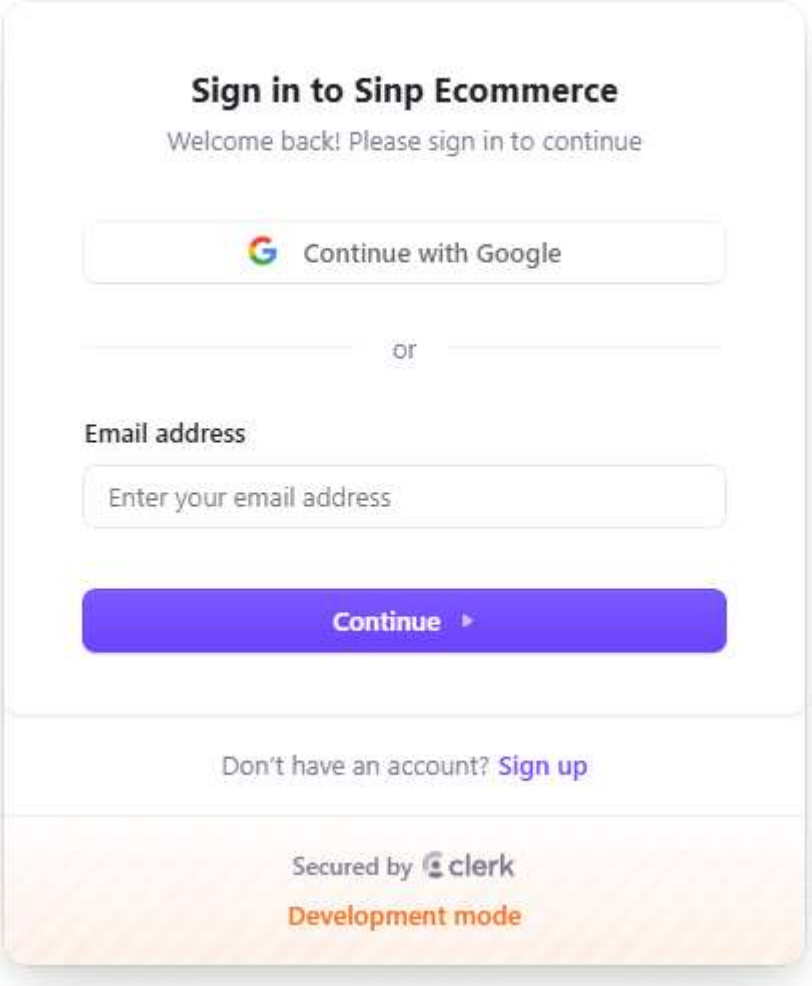


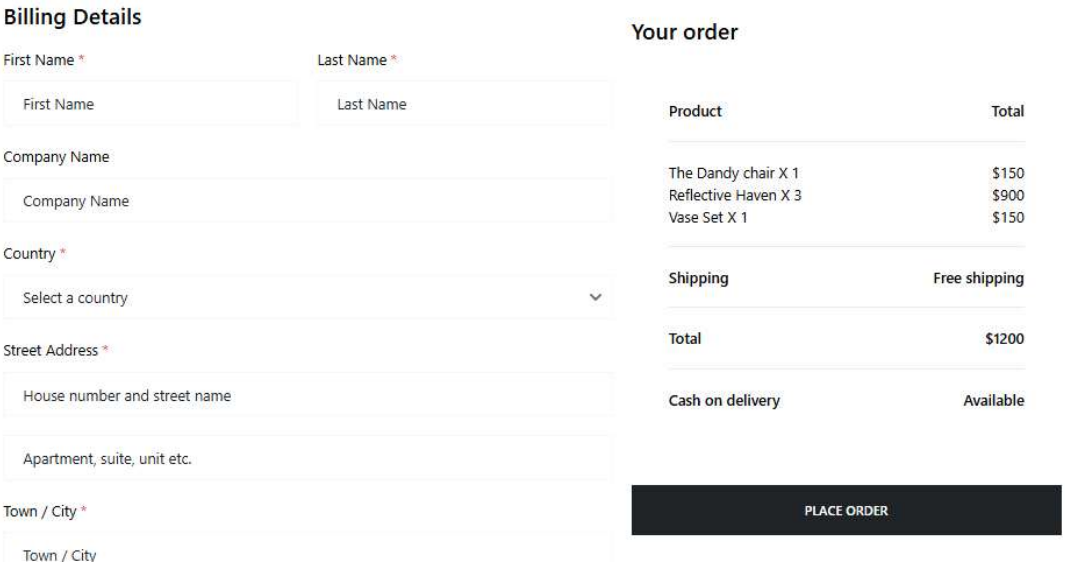
5) Authentication using Clerk:

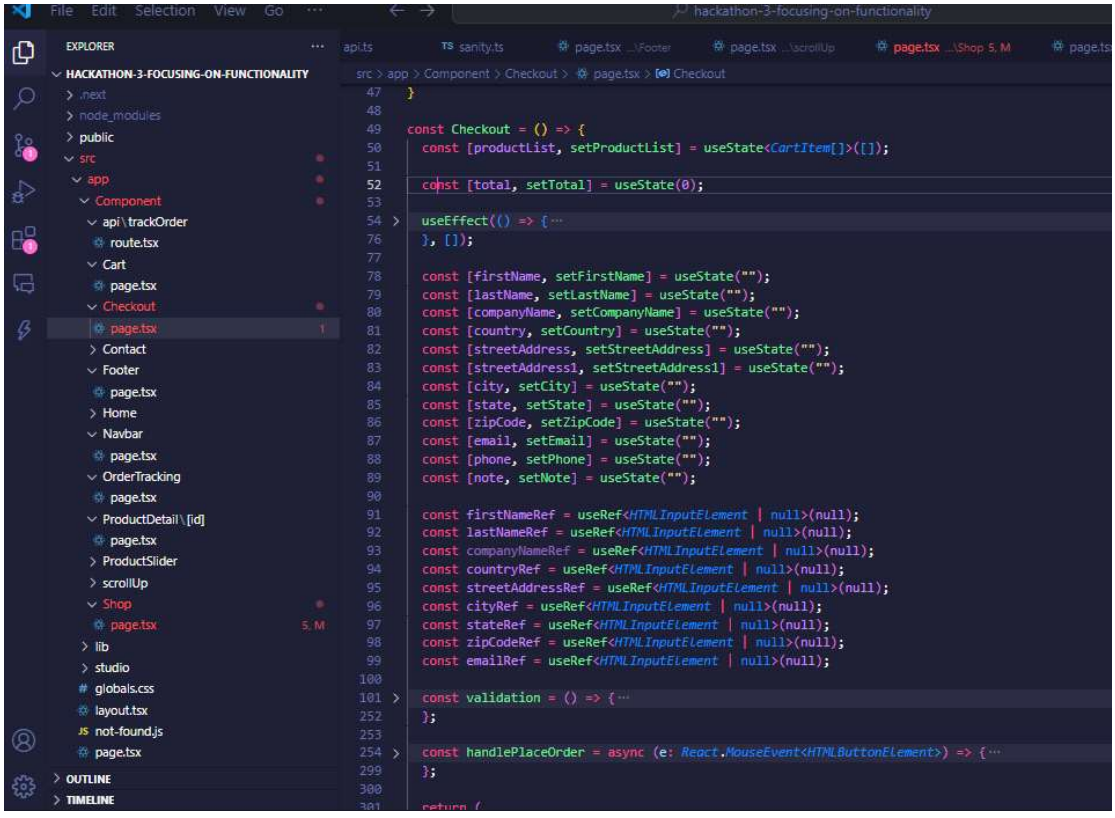
Clerk authentication offers a seamless solution for user management in applications. By integrating Clerk into your project, you can easily implement sign-in, sign-up, and user profile features using pre-built UI components. It allows for efficient user authentication, real-time user data retrieval, and secure sign-out functionality, making it a great choice for enhancing your app's security and user experience.



6) Checkout Page Dynamic:

The Dynamic Checkout Page is designed with a clean, user-friendly layout. On the left side, users can easily fill out their Billing Details, while on the right side, they can view their Order Summary, including product details and total cost. This layout provides a seamless, intuitive experience for completing purchases efficiently.





Challenge Faced:

Dynamic Routing

1) Issue: *Implementing dynamic routes for individual product pages and user-specific data without hardcoding paths, leading to scalability issues.*

2) Solution: *Harnessed the power of Next.js dynamic routing with [id].ts, enabling scalable and flexible URLs for each product. This approach ensures seamless product detailing, offering a personalized and dynamic user experience across the website.*

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