

# Day 4 - Dynamic Frontend Components – Nike store

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Project: [-BUILDING DYNAMIC FRONTEND COMPONENTS FOR MARKETPLACE]

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## Overview:

Day 4 of Hackathon 3 marked significant progress in **building dynamic frontend components for a marketplace**. Key achievements included an Profile Page a Product Listing Page with filters, a Dynamic Product Detail Page, a functional Cart and Wishlist Page, and a responsive Search Bar with real-time suggestions. Integrated with dynamic data fetching, the platform is scalable and user-friendly. Despite challenges like UI consistency and functionality conflicts, the day ended with a robust, feature-rich platform ready for further optimization.

## **Key Achievements on Day 4:**

1. **Profile Page**
  - Created an interface user profile page.
2. **Product Listing Page**
  - Developed a visually appealing page with dynamic filters for seamless product browsing.
3. **Dynamic Product Detail Page**
  - Built a detailed product page displaying interactive information like colors, sizes, and inventory status.
4. **Cart and Wishlist Pages**
  - Implemented functional pages for managing user-selected items with add/remove capabilities.
5. **Responsive Search Bar**
  - Added real-time product suggestions with dynamic search functionality for an enhanced user experience.
6. **Dynamic Data Integration**
  - Leveraged APIs for dynamic data fetching to ensure scalability and performance.
7. **UI/UX Improvements**
  - Ensured consistency and responsiveness across all pages for a seamless user journey.

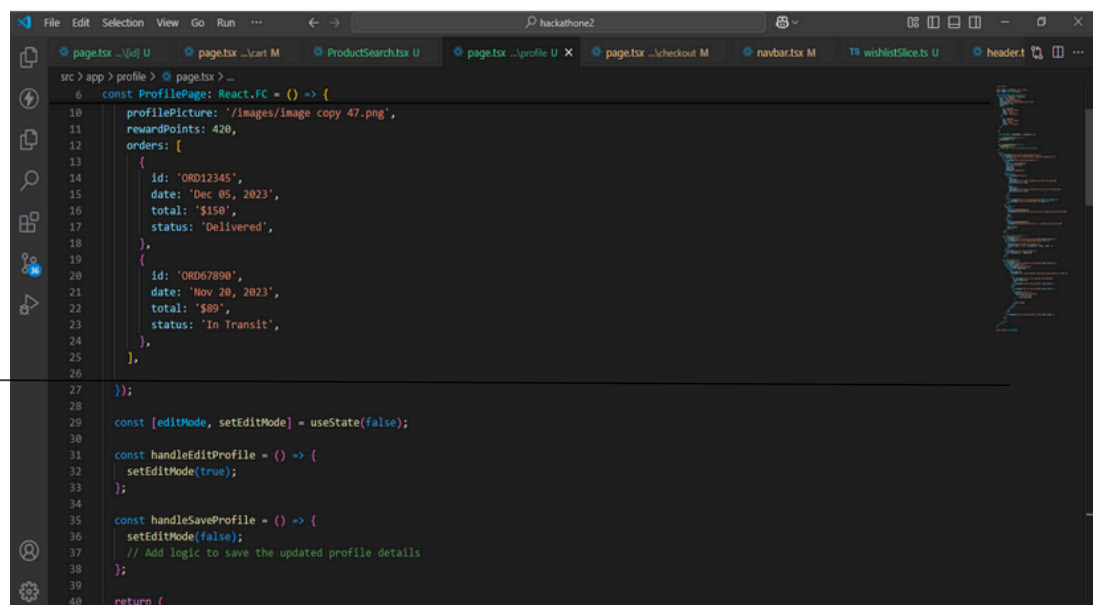
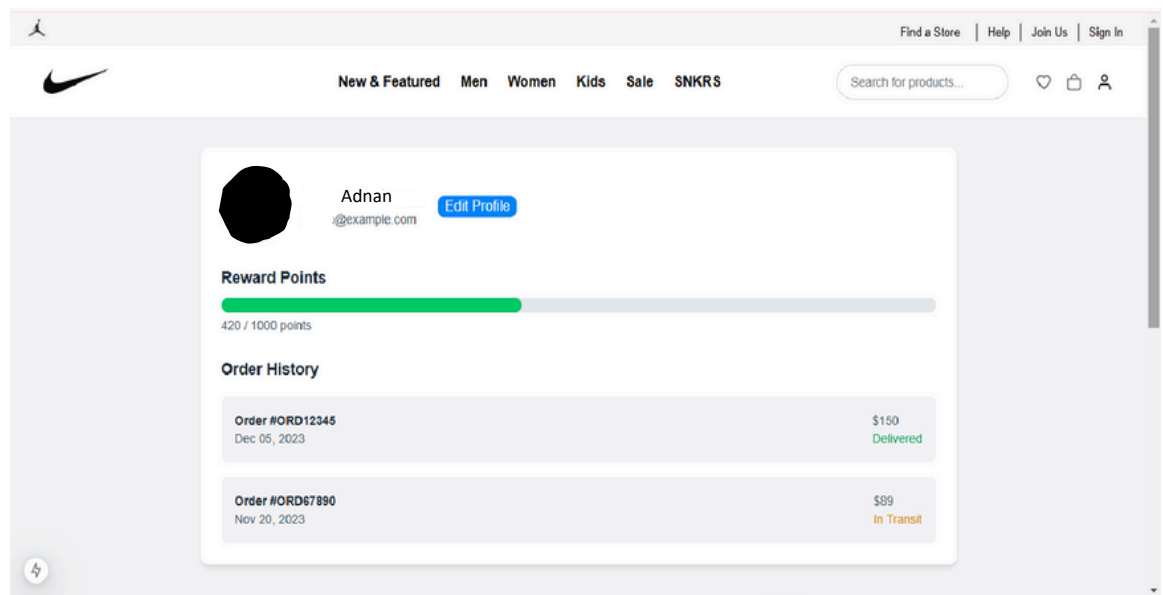
These achievements collectively enhanced the marketplace's functionality, making it ready for further optimizations and personalization.

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## Summary for Each Component:

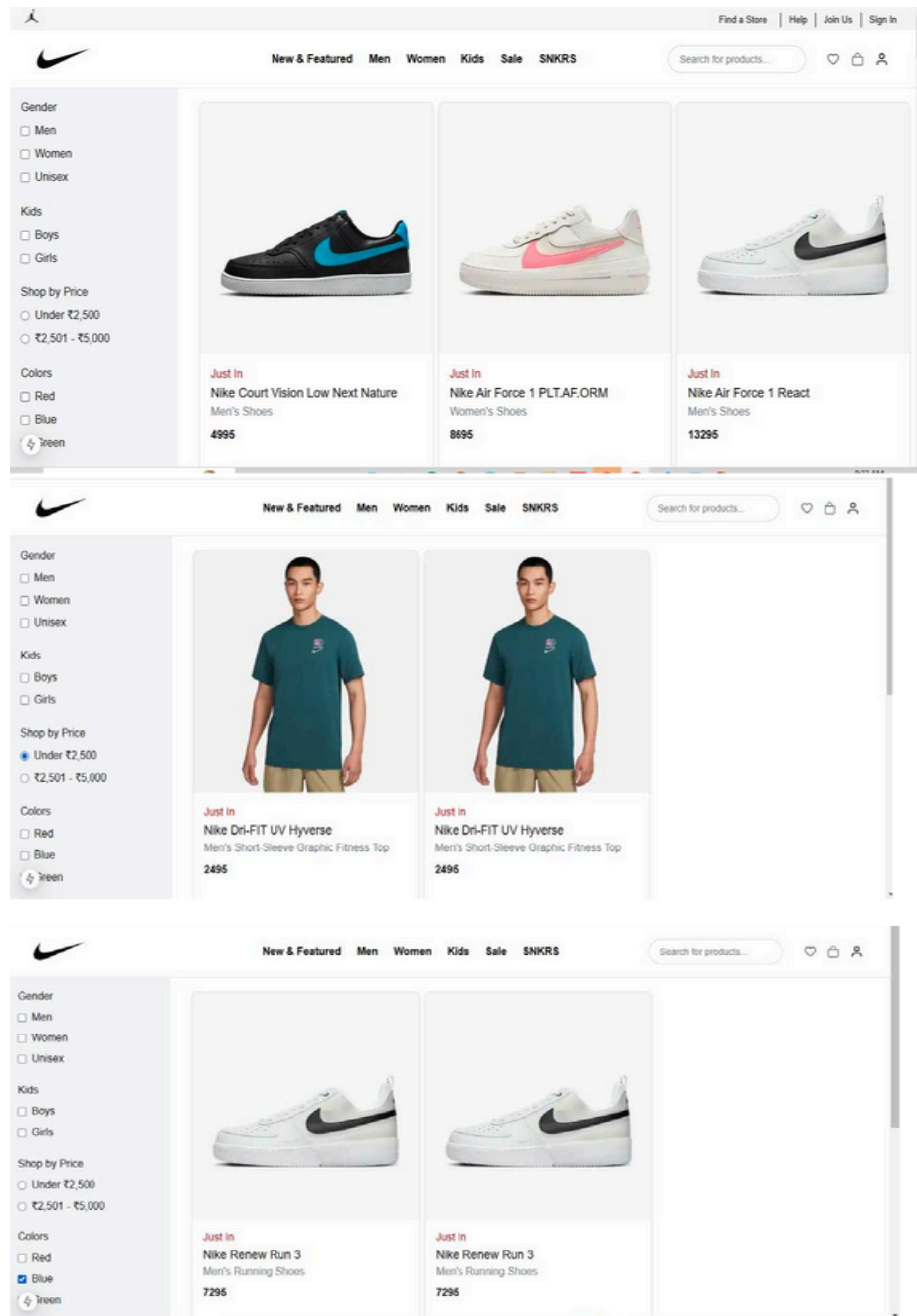
### 1. User Profile Page

- Displays user details like name, email, and recent activity.
- Includes options to manage personal information and view order history.
- Provides a streamlined interface for tracking and managing user preferences.



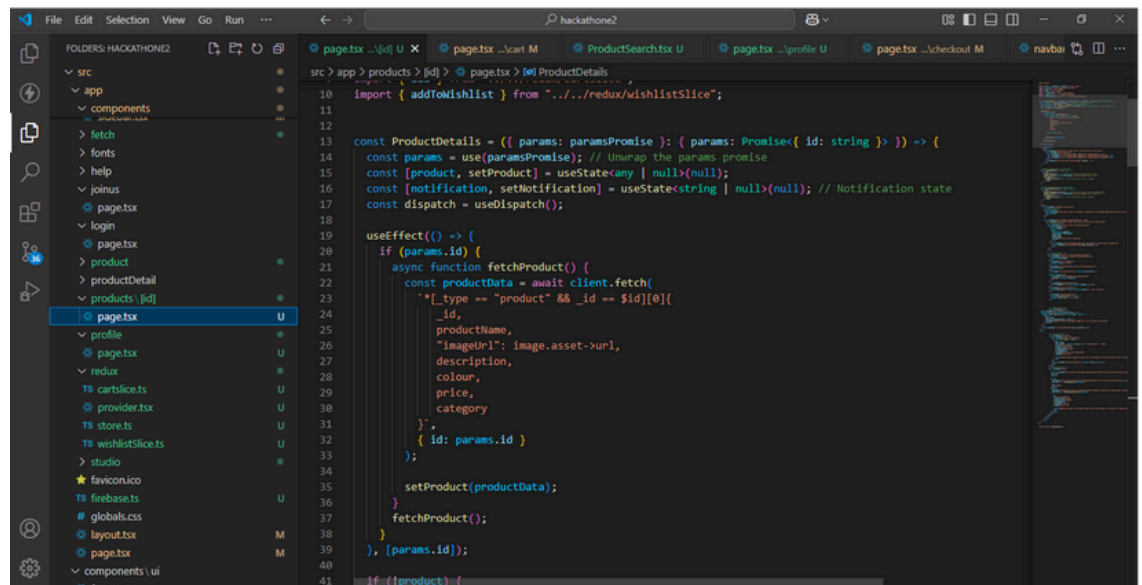
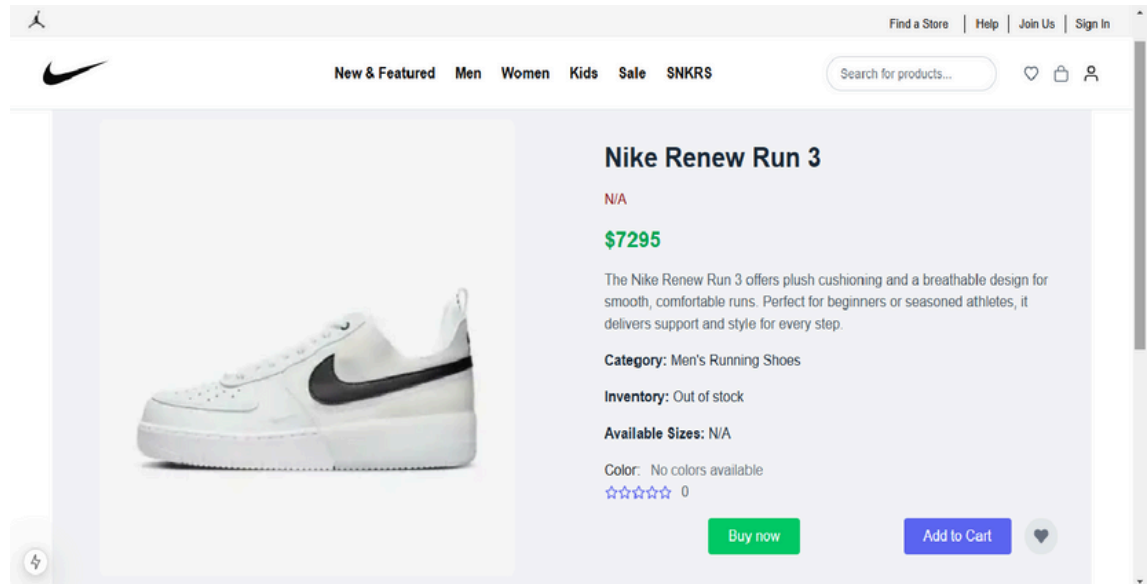
## 2. Product Listing Page

- Displays products dynamically with filtering options like category, color, and price.
- Supports seamless navigation and responsive design for all devices.
- Enables users to quickly explore and find desired products.



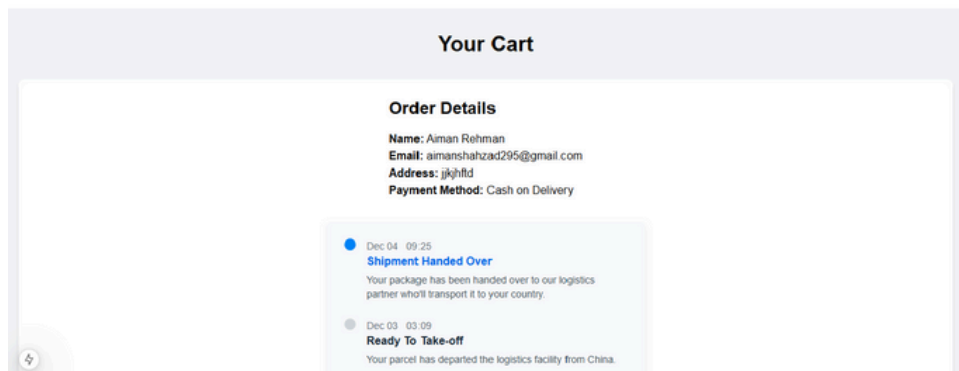
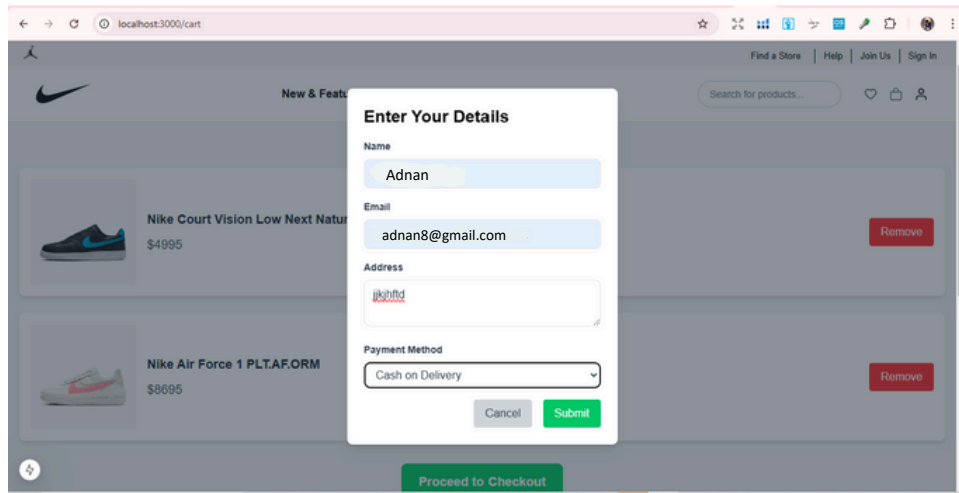
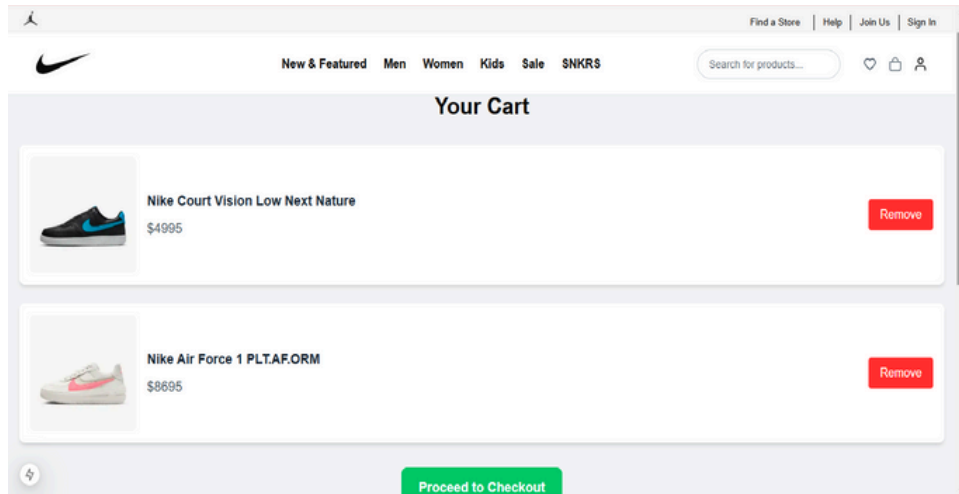
### 3. Dynamic Product Detail Page

- Provides detailed information about individual products, including images, descriptions, and price.
- Features interactive elements like color selection and inventory status.
- Integrates add-to-cart and wishlist options for enhanced user engagement.



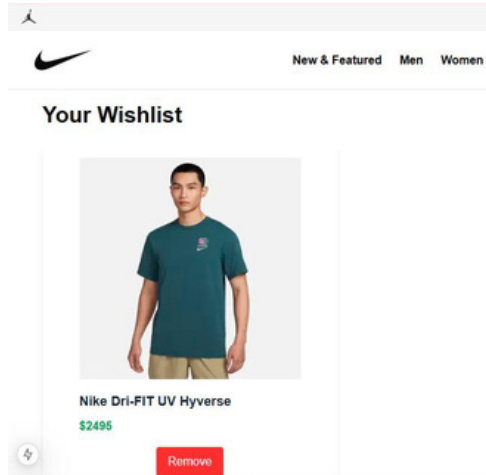
#### 4. Cart Page

- Displays selected items with a summary of pricing, quantities, and total costs.
- Includes options to update or remove products from the cart.
- Features a checkout button leading to payment and order confirmation.



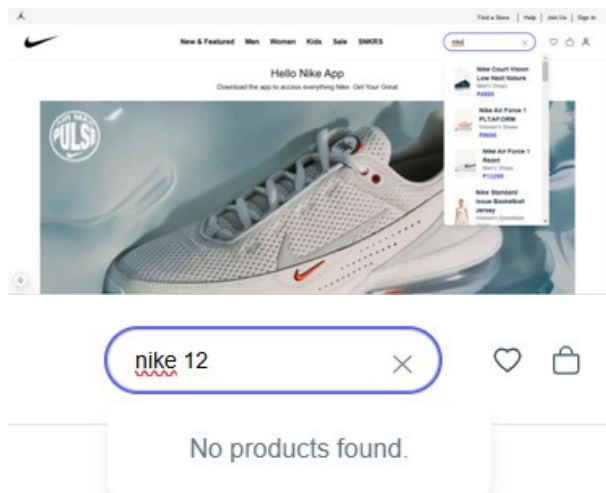
## 5. Wishlist Page

- Allows users to save favorite products for future purchases.
- Provides easy access to product details or removal from the list.
- Includes seamless integration with the product detail and cart pages.



## 6. Search Bar

- Offers real-time search suggestions for products based on user input.
- Provides quick access to product detail pages directly from search results.
- Enhances user experience with fast and accurate results.



## **Challenges Faced**

- **Integrating dynamic data:** Ensuring data was fetched and displayed without delays.
- **UI Consistency:** Maintaining a cohesive design across all pages.
- **Functionality Conflicts:** Addressing issues like duplicate wishlist items and cart updates.

## **Final Thoughts**

Day 4 progress, covering essential features of an e-commerce platform. With these additions, the project is well-positioned to deliver a functional and user-friendly experience.

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This is the completion of my Day 4 Hackathon work by **Adnan**. I have successfully brought these features to life in my e-commerce website, ensuring a dynamic and user-friendly experience.