

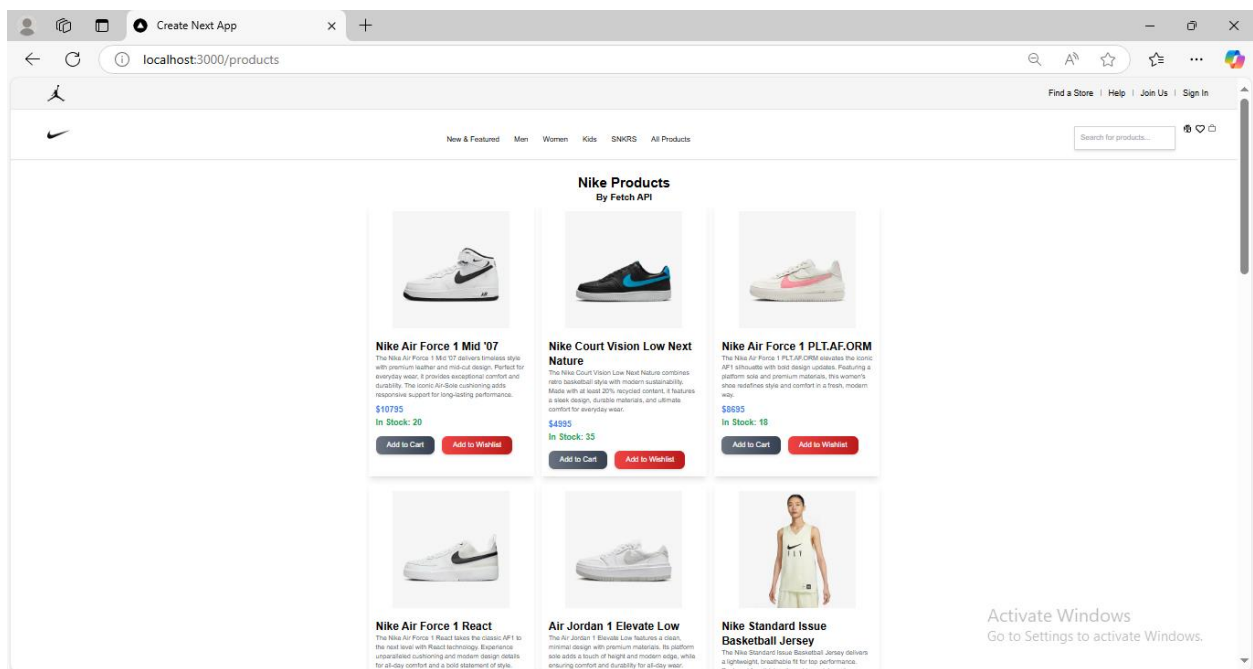
Day-4 Report: Marketplace Ecommerce Website Development

Project Overview: On Day 4 of developing my Marketplace Ecommerce Website, I focused on integrating key functionalities and ensuring smooth interactions with the backend through API data fetching, along with the implementation of dynamic routing to display individual product details. Additionally, I worked on refining the cart functionality and explored the gifts mechanism as a way to enhance the user experience.

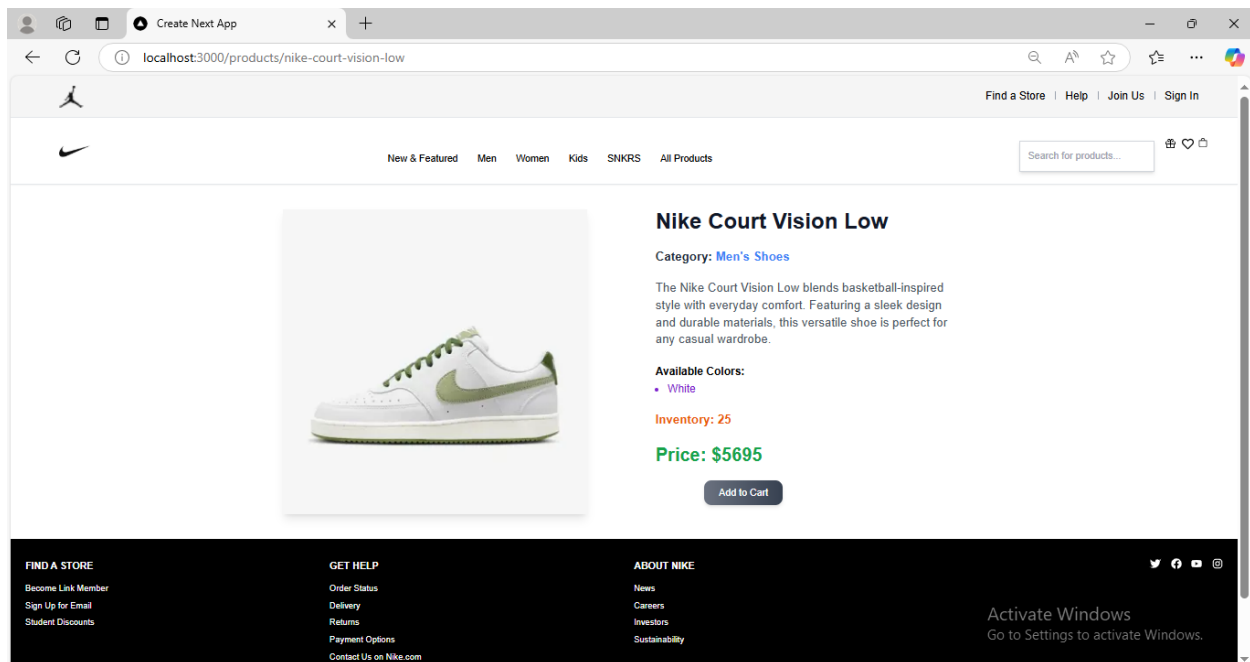
Key Features Implemented:

1. Data Fetching & Dynamic Routes:

- I implemented data fetching via API to dynamically fetch products from the backend and display them on the frontend. The product information, including product names, descriptions, images, prices, and availability, is fetched and displayed in a grid layout.

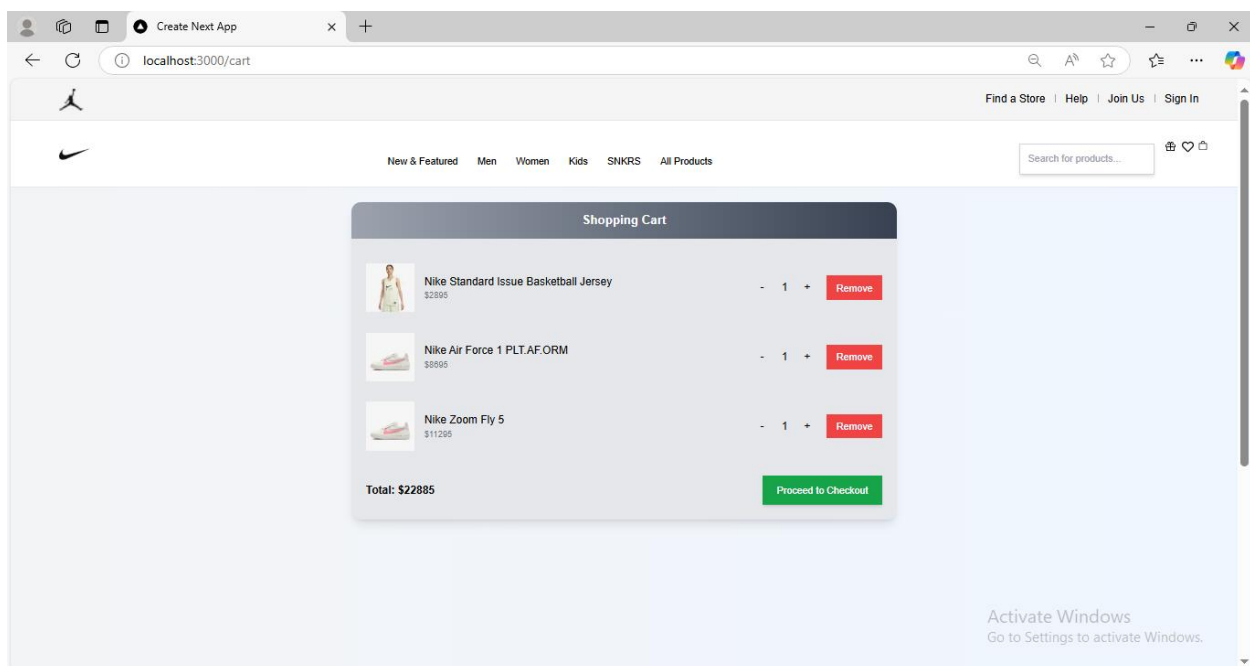
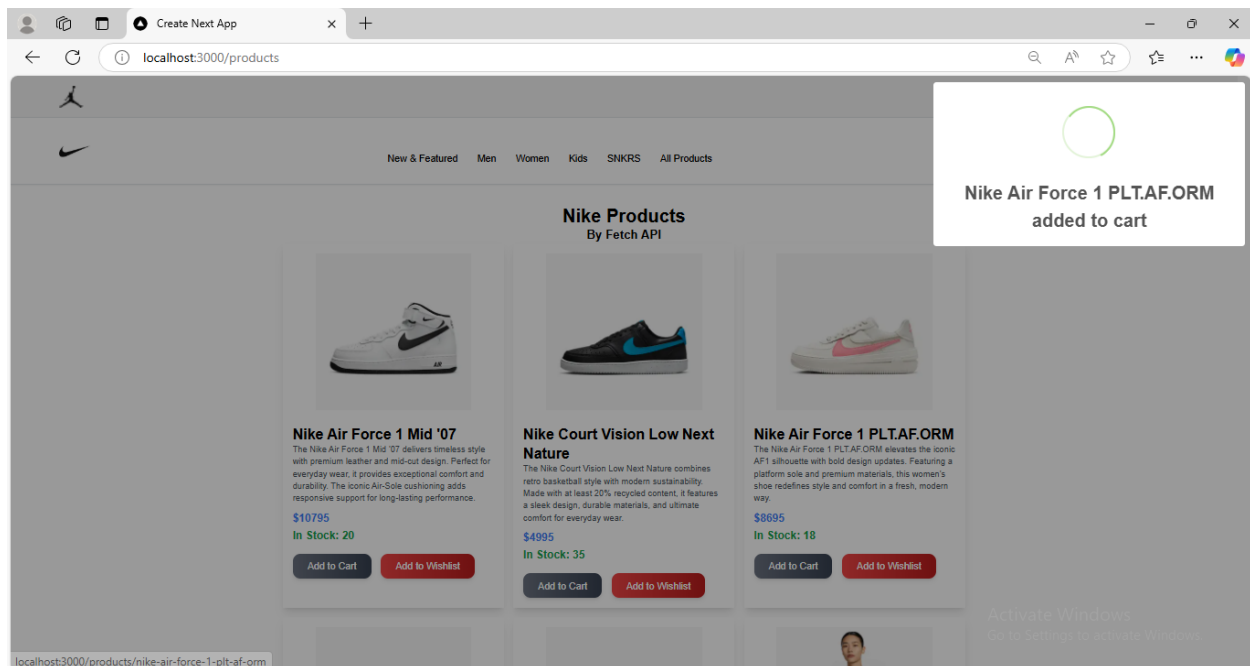


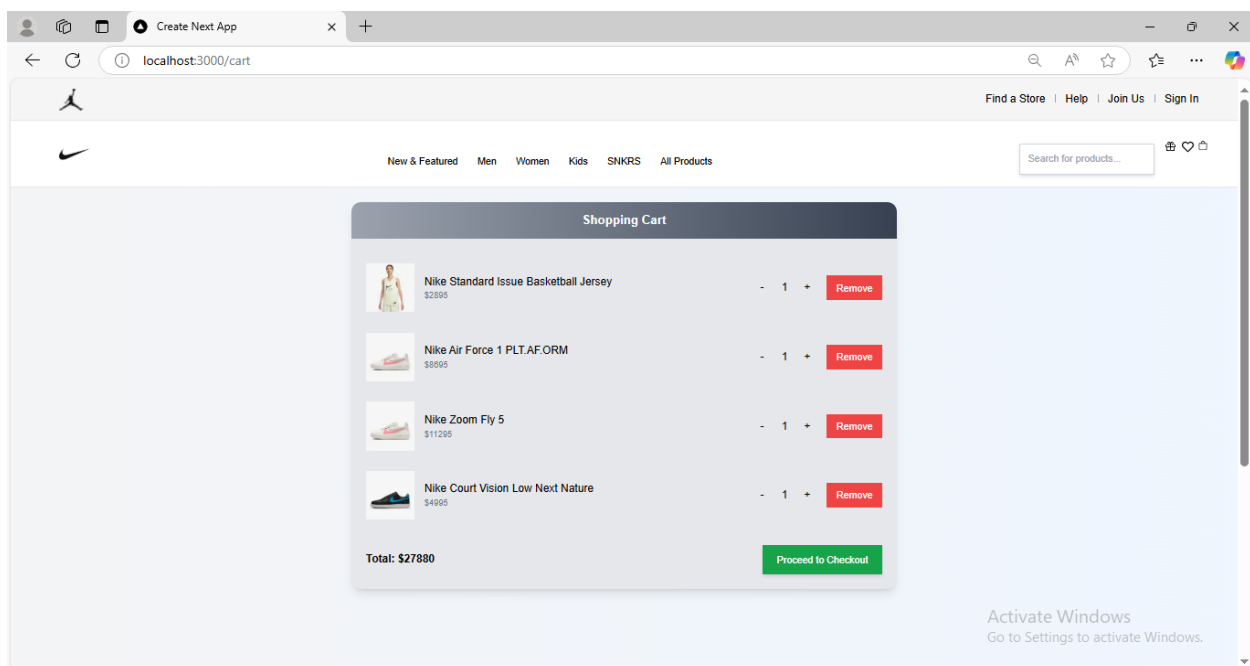
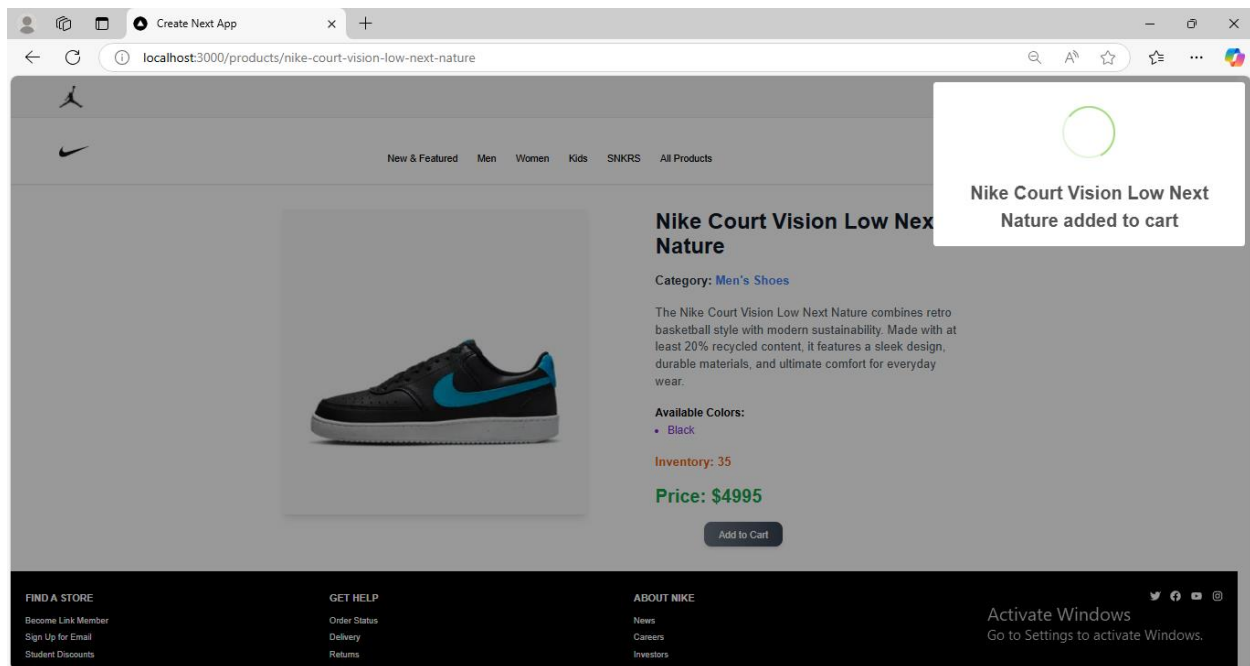
- I also added dynamic routing to display each product on a unique page when the user clicks on the product. This is done by utilizing Next.js dynamic routes, which allows the application to fetch and display data for a specific product based on the slug.



2. Add to Cart Functionality:

- An essential feature added to the site is the **Add to Cart** functionality, allowing users to add products to their cart from both the product listing page and the individual product detail page.
- Upon clicking the "Add to Cart" button, a confirmation message is displayed using SweetAlert2, notifying the user that the product has been successfully added to the cart.
- The cart maintains its data through local storage, enabling the user to retain items in their cart even when they navigate away from the page.

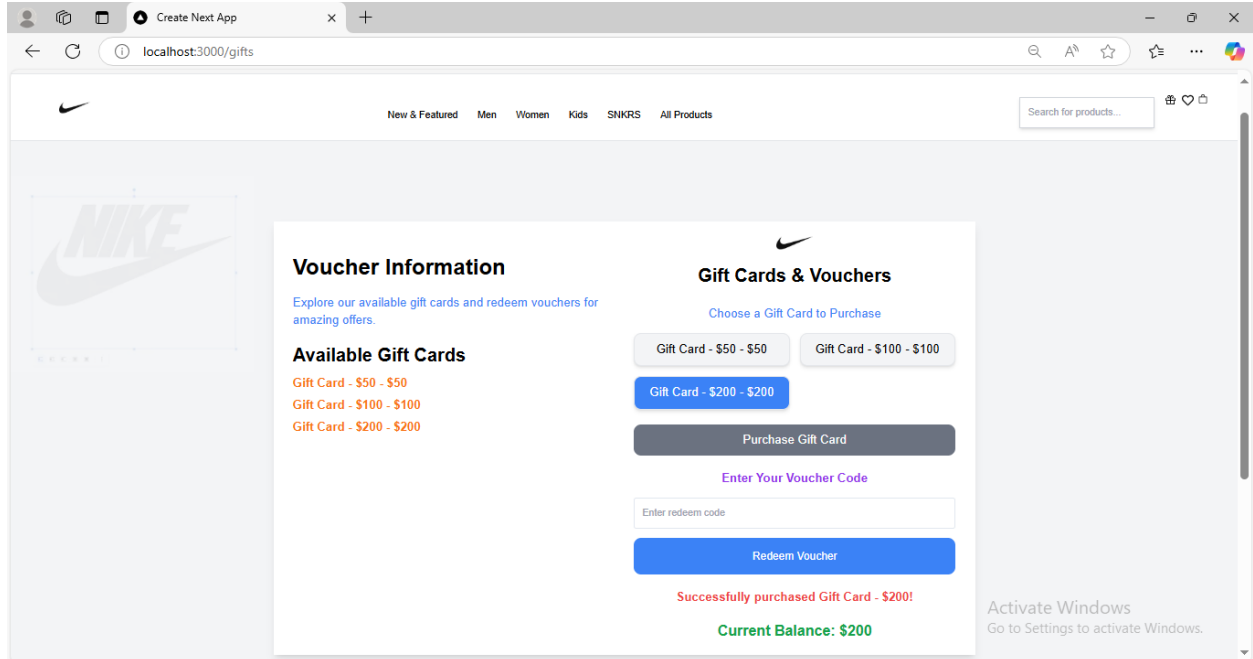
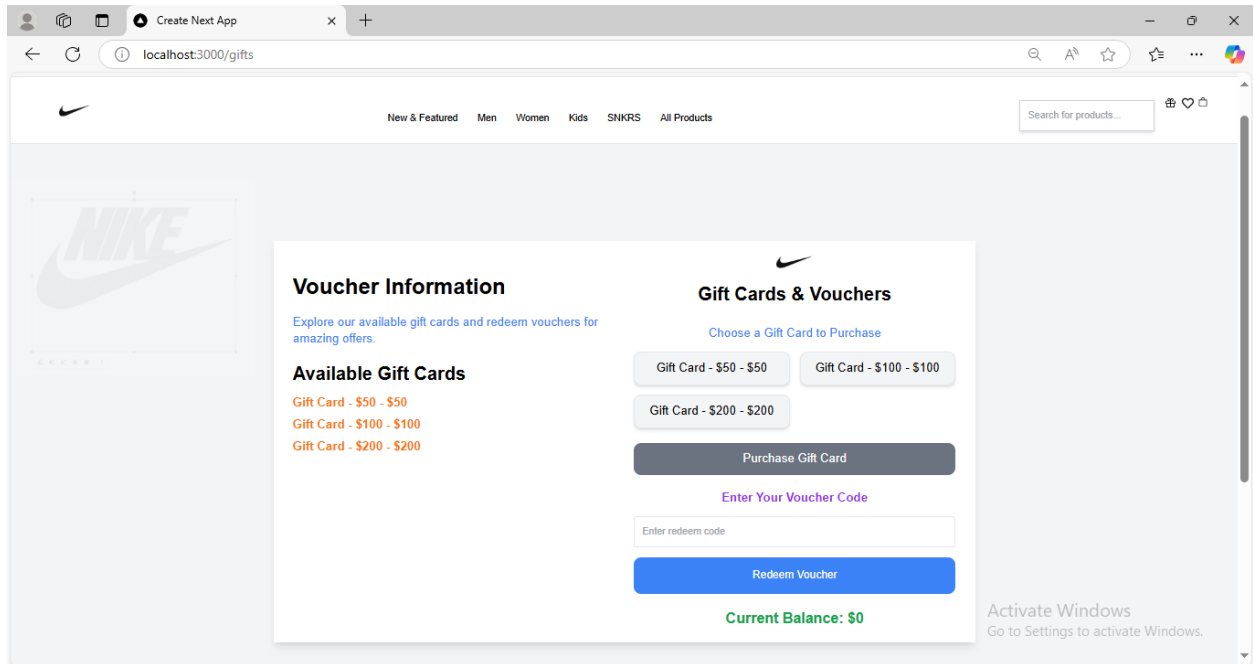


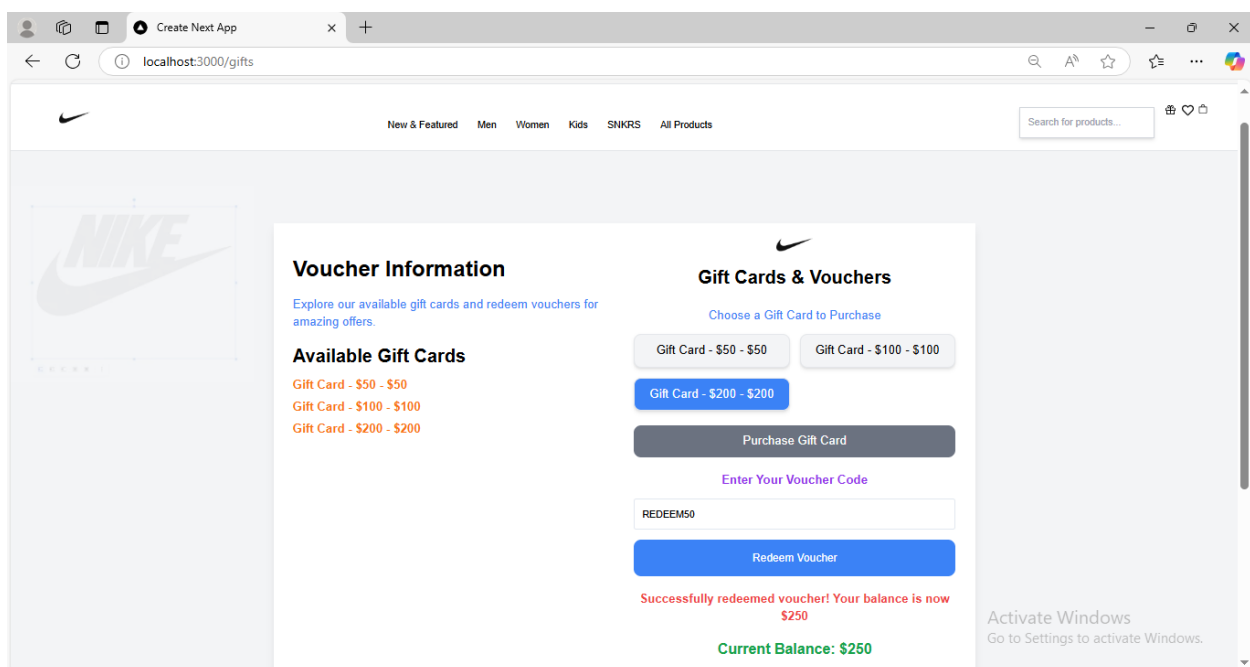
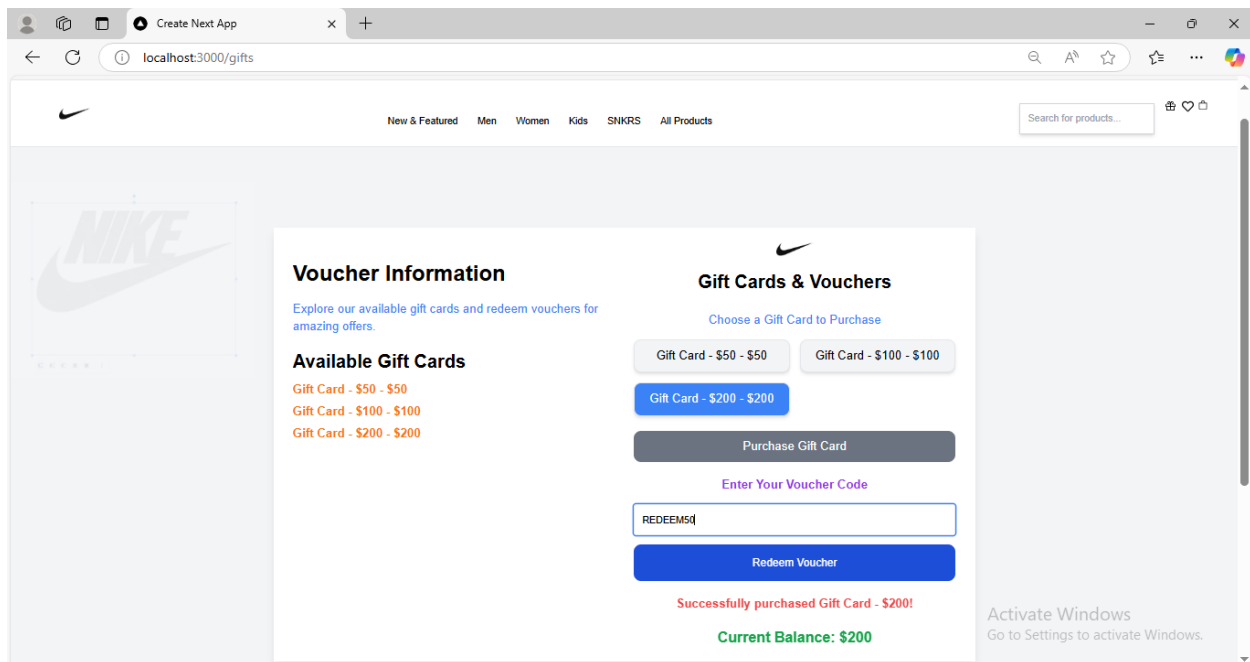


3. Gift Mechanism with Voucher System:

- To add an interactive and promotional aspect to the website, I introduced a **gift mechanism**. Users can enter a voucher code at checkout, and if the entered code matches a valid gift voucher, the user receives a gift as part of their purchase. If the code is invalid, the user is notified accordingly.

- In addition, if the voucher is invalid or not used, the user has the option to purchase gifts as part of the cart experience, adding value and engagement to the site.





4. CRUD Operations:

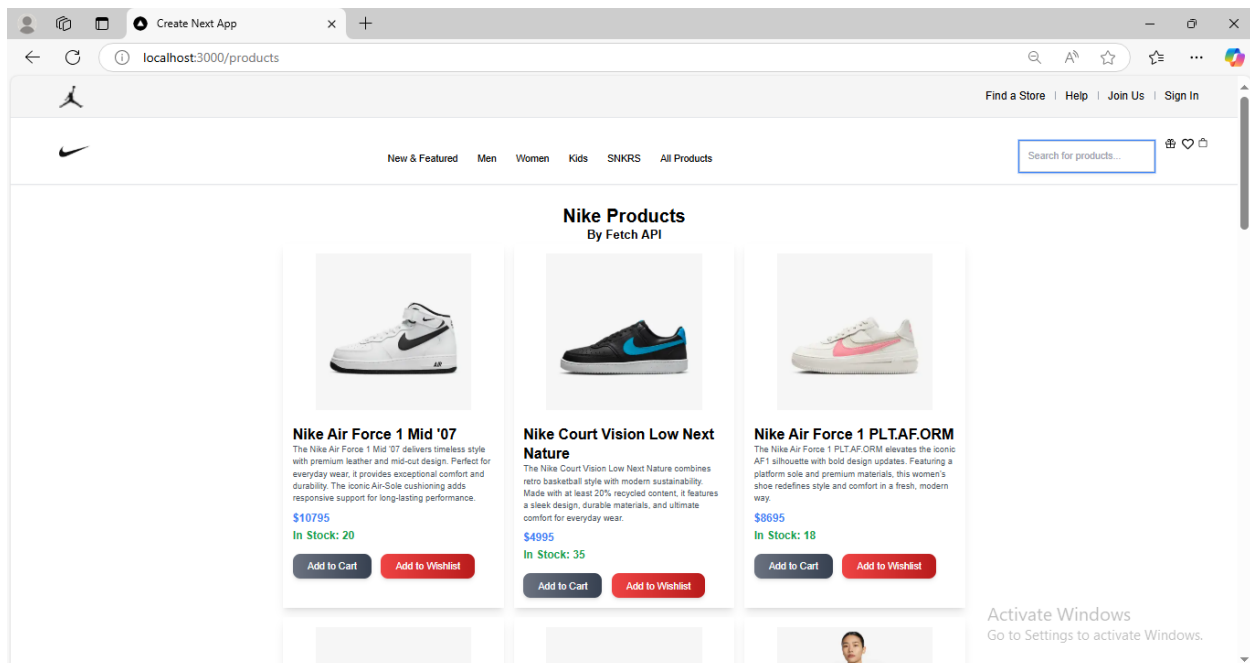
- The website is designed to allow for CRUD (Create, Read, Update, Delete) operations on products. This allows users to create new products, view them, update their details, and delete them if necessary. These operations are executed via API calls to the backend, and the frontend dynamically reflects these changes.

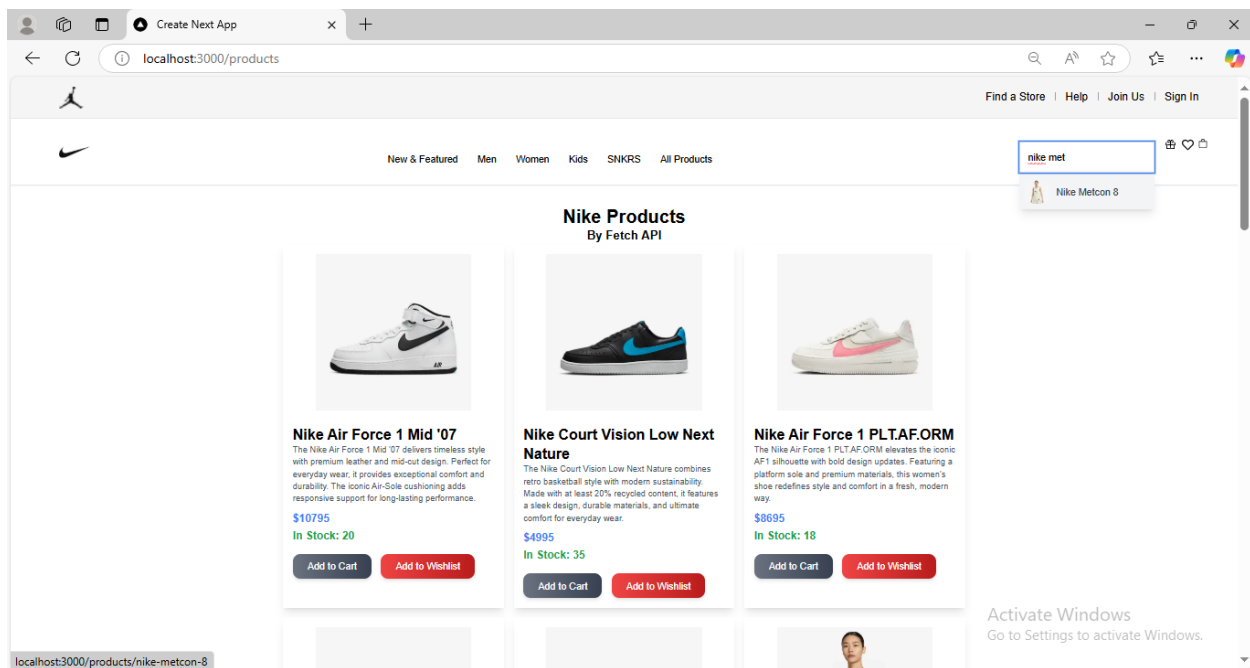
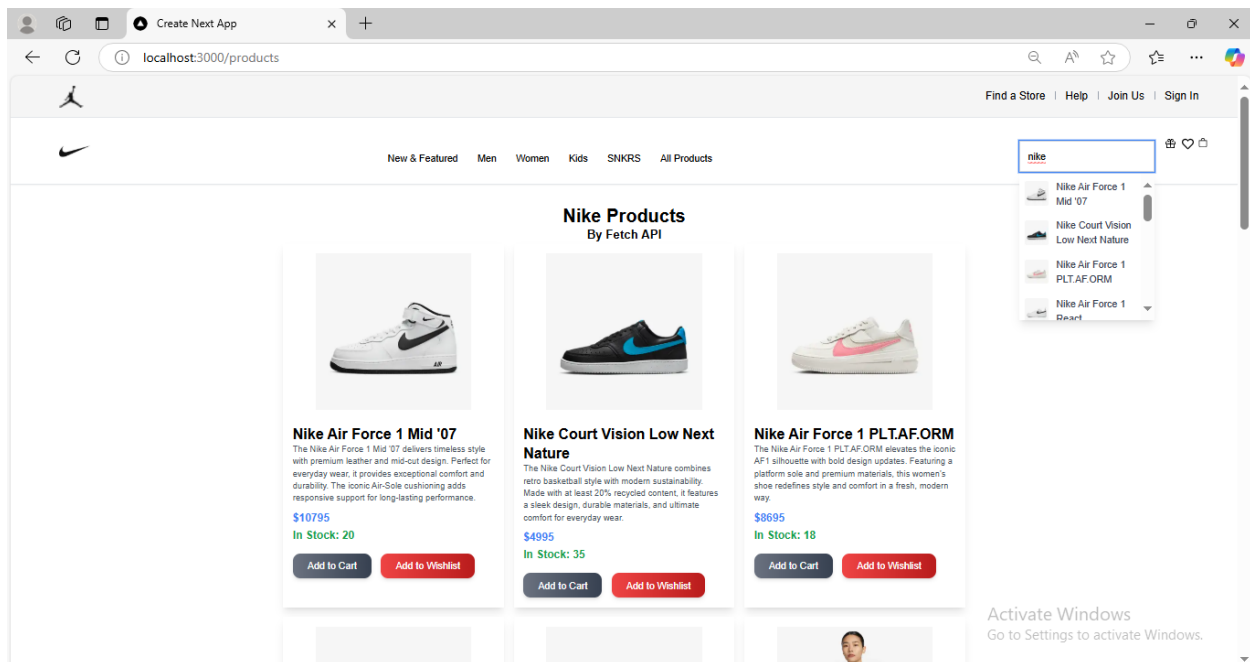
5. Pagination:

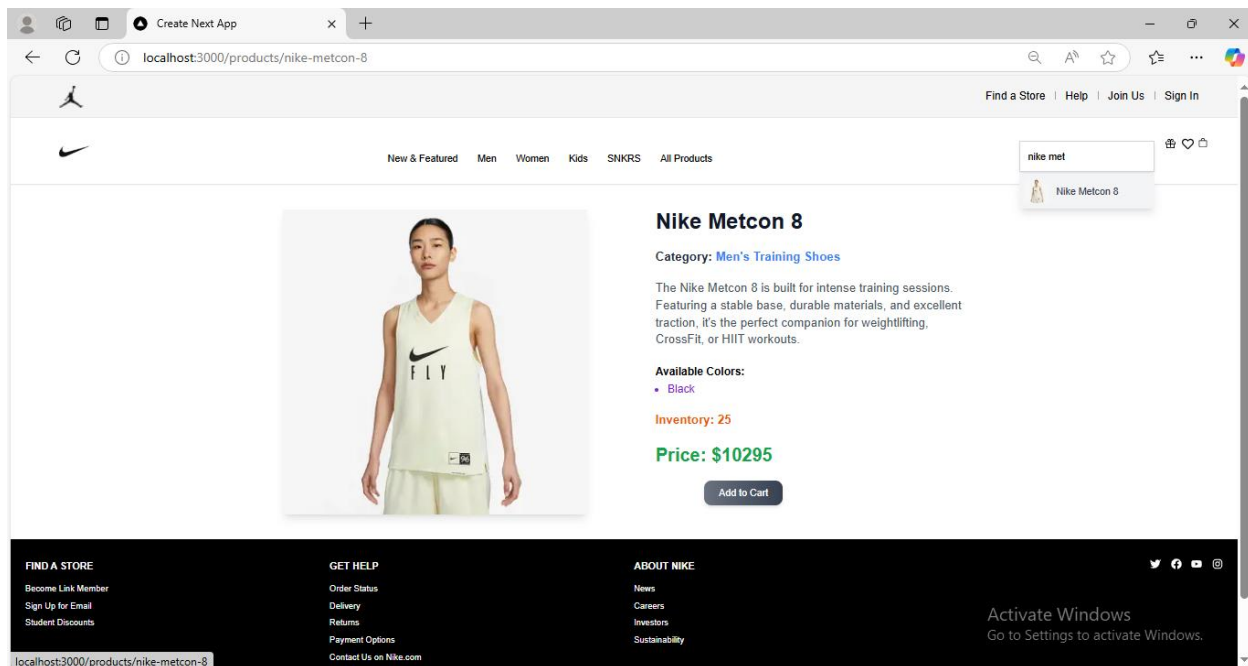
- I implemented pagination to ensure that the product listings remain manageable and do not overwhelm the user. The pagination allows users to navigate through different pages of products, making the browsing experience smoother and more efficient.

6. Search Bar Functionality:

- A **Search Bar** feature has been integrated to allow users to easily search for products by name, category, or other attributes. As the user types in the search query, the search results dynamically update to show matching products in real-time.
- The search functionality is connected to the backend API, which filters products based on the search input and displays the relevant products on the page.
- The search bar also includes basic error handling and a message if no products are found for the query entered.

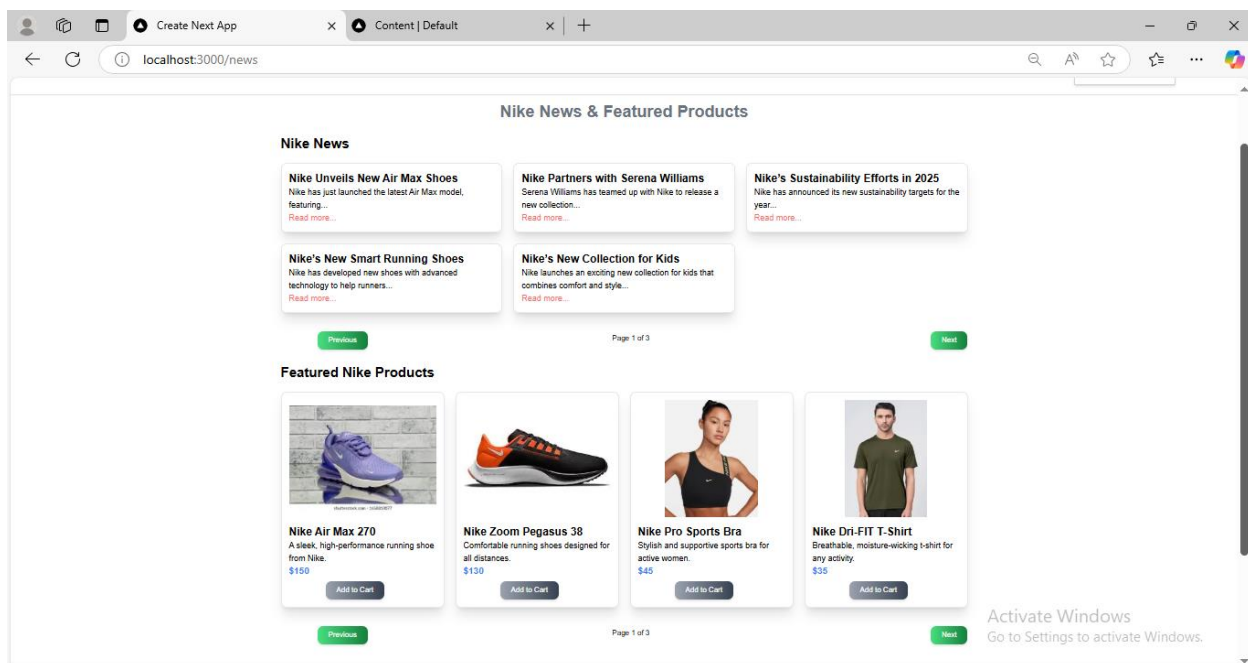


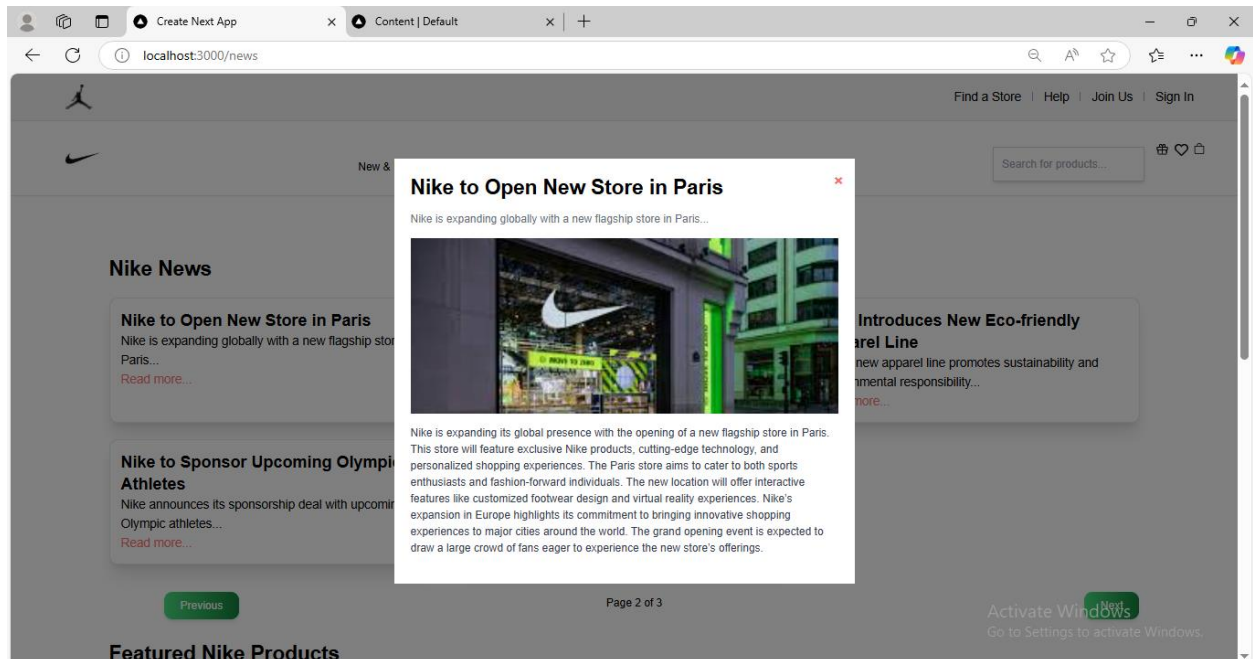
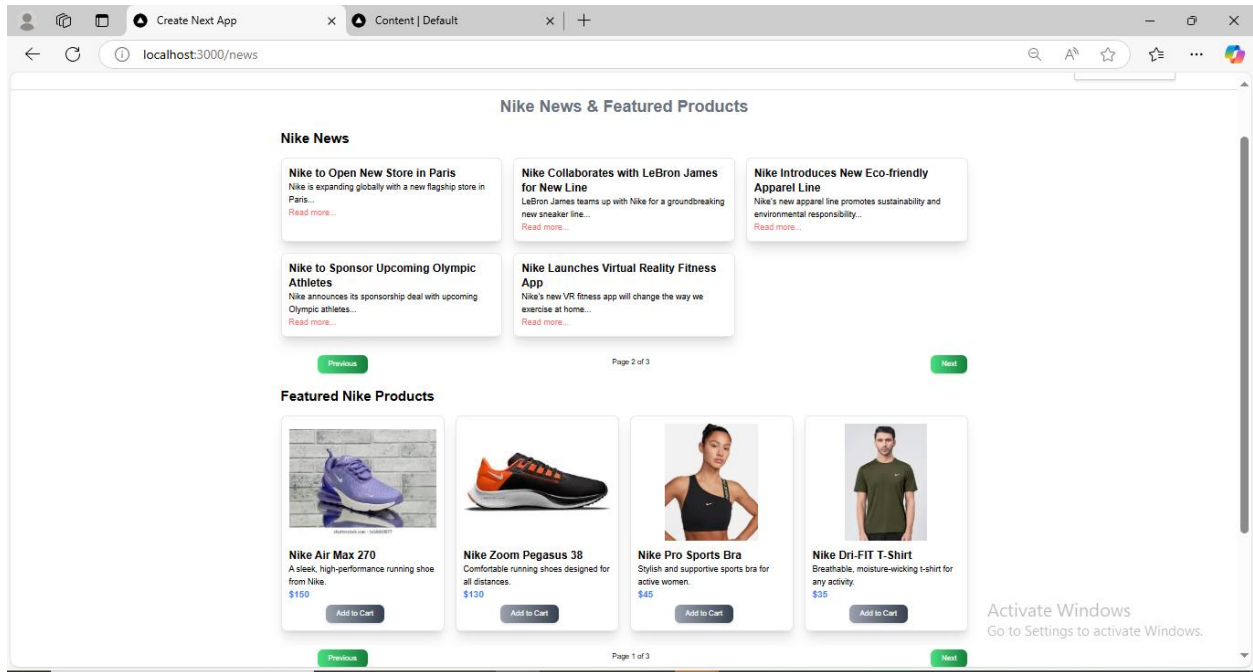


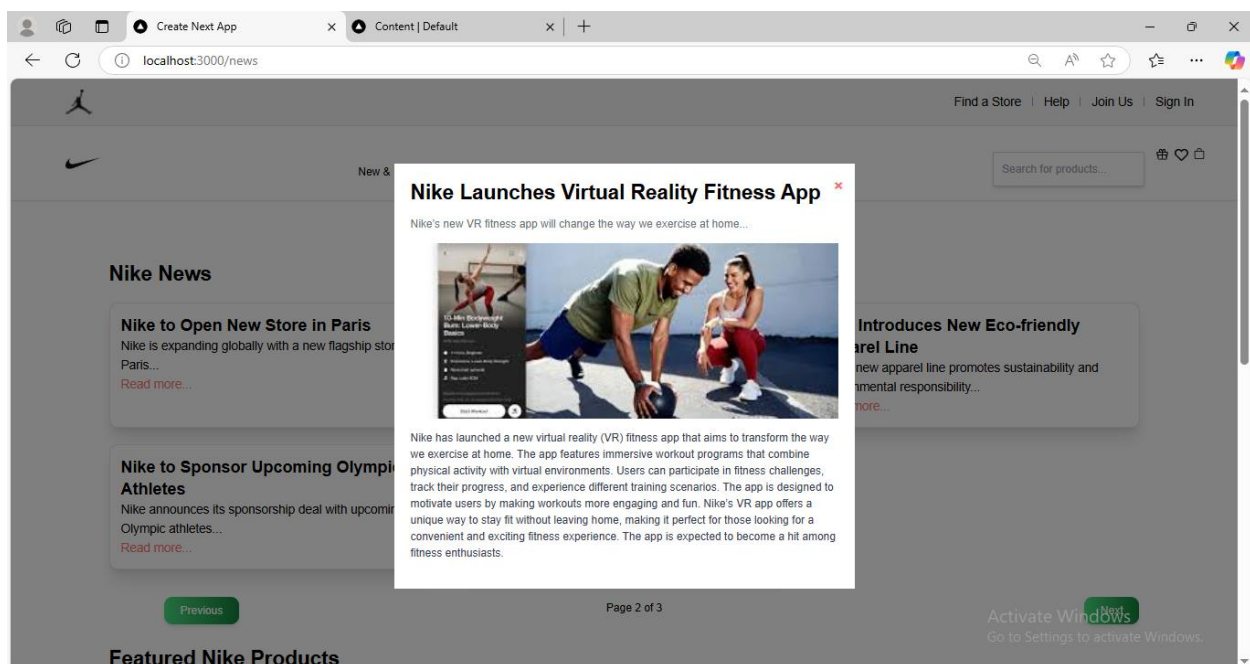
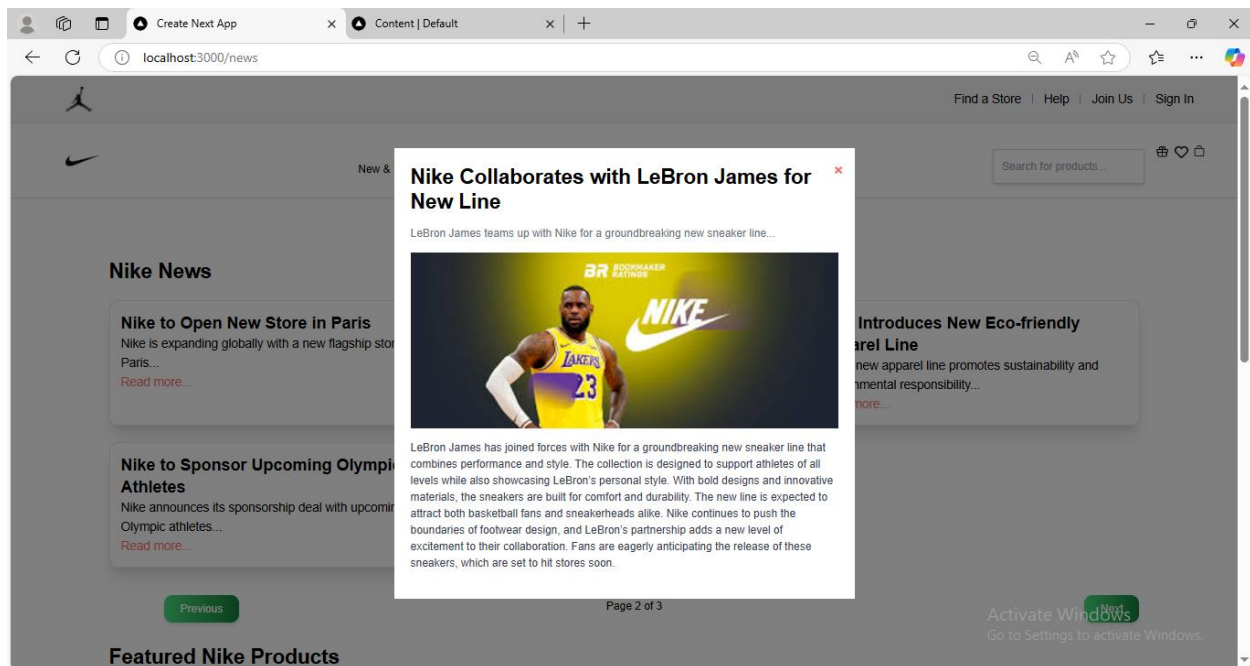


7. News and Features Sections:

- News Section:** This section is designed to keep users informed about new offers, discounts, and promotions. It's an essential part of the user engagement strategy, as it allows the website to inform visitors about the latest happenings.








- **Features Section:** The features section highlights new product arrivals, keeping the visitors updated on what's new in the store. This section also adds a dynamic element to the homepage by showcasing the latest additions to the marketplace.


Create Next AppContent | Defaultlocalhost:3000/news

Featured Nike Products



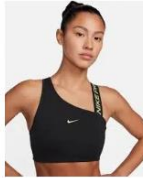
Nike Air Max 270
A sleek, high-performance running shoe from Nike.
\$150

Add to Cart




Nike Zoom Pegasus 38
Comfortable running shoes designed for all distances.
\$130

Add to Cart



Nike Pro Sports Bra
Stylish and supportive sports bra for active women.
\$45

Add to Cart



Nike Dri-FIT T-Shirt
Breathable, moisture-wicking t-shirt for any activity.
\$35

Add to Cart

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Next

FIND A STORE

Become Link Member
Sign Up for Email
Student Discounts

GET HELP

Order Status
Delivery
Returns
Payment Options

ABOUT NIKE


News
Careers
Investors
Sustainability

Activate Windows

Go to Settings to activate Windows.


Create Next AppContent | Defaultlocalhost:3000/news

Featured Nike Products




Nike Air Zoom Alphafly
Performance shoes engineered for speed and endurance.
\$275

Add to Cart




Nike Court Vision Low
Casual sneakers for everyday wear with a classic design.
\$70

Add to Cart



Nike Air Force 1 Low
A classic streetwear icon, the Nike Air Force 1 never goes out of style.
\$120

Add to Cart



Nike React Infinity Run Flyknit
Ultra-comfortable shoes designed for long-distance runs.
\$160

Add to Cart

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FIND A STORE

Become Link Member
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Student Discounts

GET HELP

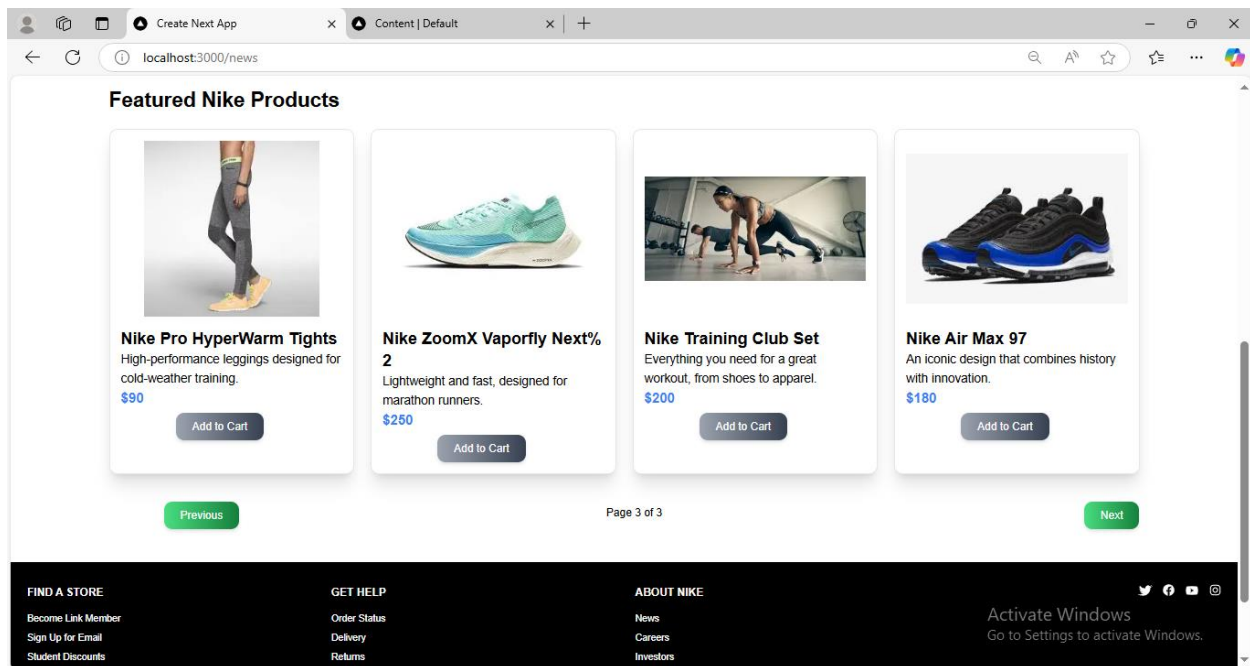
Order Status
Delivery
Returns

ABOUT NIKE

News
Careers
Investors

Activate Windows

Go to Settings to activate Windows.



Visuals and Screenshots: The website's UI has been visually enhanced to make the product details clear and engaging. Screenshots of the implementation are attached below to demonstrate the progress made in the following areas:

- Product listings with dynamic routing.
- Product Detail Page (individual product display).
- Add to Cart functionality.
- Gift mechanism with voucher entry.
- Pagination of product listings.
- Search bar functionality.
- News and Features sections.

Further Work in Progress:

- The current work on the website is ongoing, with plans to refine the user experience, including better handling of user authentication and authorization, improvements to the cart and checkout flow, and adding features like order history and user profiles.
- I am also working on integrating more advanced features, such as real-time notifications and enhanced payment gateway integration.

Conclusion: Day 4 marked significant progress in the development of the Marketplace Ecommerce Website. With essential features like product data fetching, dynamic routes, cart functionality, search bar functionality, gift voucher mechanism, pagination, and informative sections, the website is progressing toward becoming a fully functional ecommerce platform. The focus on a smooth and interactive user experience is at the core of this development.

I look forward to further refining the website and adding more features in the upcoming days.

Attached: Screenshots of Work Progress:

1. Product Listings Page (With dynamic routing)
2. Product Detail Page (Individual Product Display)
3. Add to Cart Action and Confirmation
4. Voucher Entry and Gift Mechanism
5. Pagination in Action
6. Search Bar Functionality
7. News and Features Sections