

Day 4 - Dynamic Front-End Components - Furniro

Introduction:

The **Dynamic Frontend Components** project centers on designing and developing a highly responsive and feature-packed marketplace interface for **Furniro**, a furniture e-commerce platform. The primary objective was to build dynamic, reusable components leveraging cutting-edge frontend technologies such as **Next.js**, **React.js**, and **Sanity CMS**. This project provided an opportunity to delve into advanced frontend concepts, including dynamic routing, state management, and seamless API integrations.

Technologies Utilized:

- **Next.js:** Employed for server-side rendering, dynamic routing, and as the foundational framework for the frontend.
- **React.js:** Used to create modular, reusable components and manage the application's UI state efficiently.
- **Sanity CMS:** Integrated to store and manage dynamic content, such as product details, ensuring a flexible and scalable content management solution.

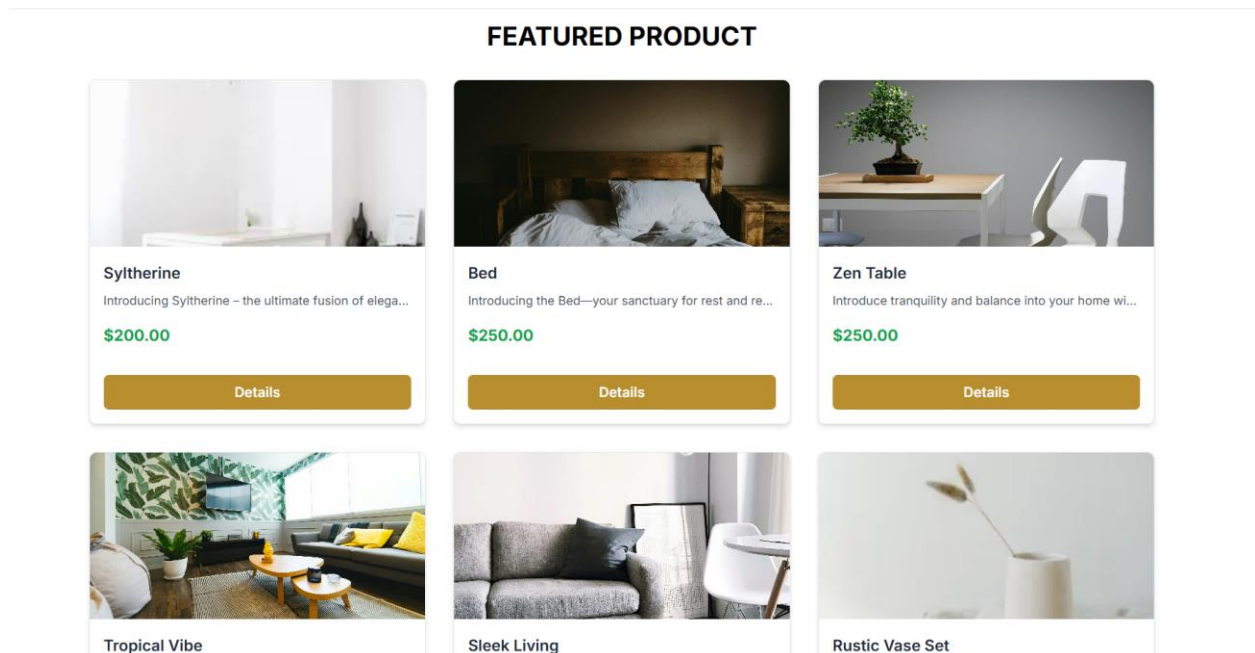
Dynamic Frontend Components:

1. Product Listing Page:

We developed a dynamic product listing page by retrieving product data from **Sanity CMS**. Each product is showcased in a clean, grid-based layout, featuring the following details:

- **Product Title**
- **Description** (truncated for a concise grid view)
- **Product Image**
- **Price**

The page is fully responsive, ensuring optimal display across various screen sizes and devices. The grid layout enhances user experience by allowing seamless browsing of multiple products at once.



2. Product Details Page:

The **Product Details Page** offers an in-depth view of each product, displaying all relevant information in a structured and user-friendly manner. Utilizing **Next.js dynamic routing**, we created unique pages for every product, dynamically generated based on their respective IDs.

Implementation Details:

- **Dynamic Routing:** Implemented using the `[id].js` file in Next.js, enabling the automatic creation of individual product pages based on their unique identifiers.
- **Content Display:** Each page showcases detailed product information, including the full description, high-resolution images, pricing, and other relevant details, ensuring a seamless and informative user experience.

This approach ensures scalability and efficiency, allowing the platform to handle a growing product catalog effortlessly.



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Furniro.

400 University Drive Suite 200 Coral Gables,

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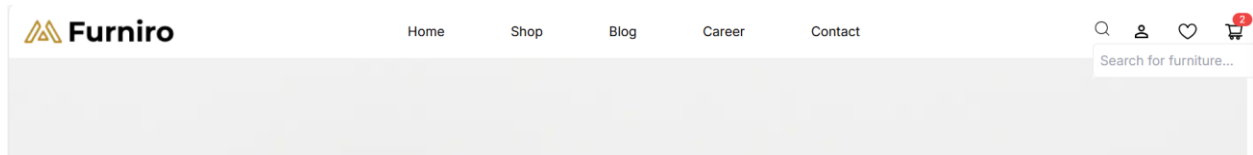
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3. Search Bar:

A **dynamic search bar** was integrated into the platform to allow users to filter products effortlessly by name or associated tags. This feature enhances usability by enabling quick and efficient product discovery, ensuring a smooth and intuitive browsing experience.



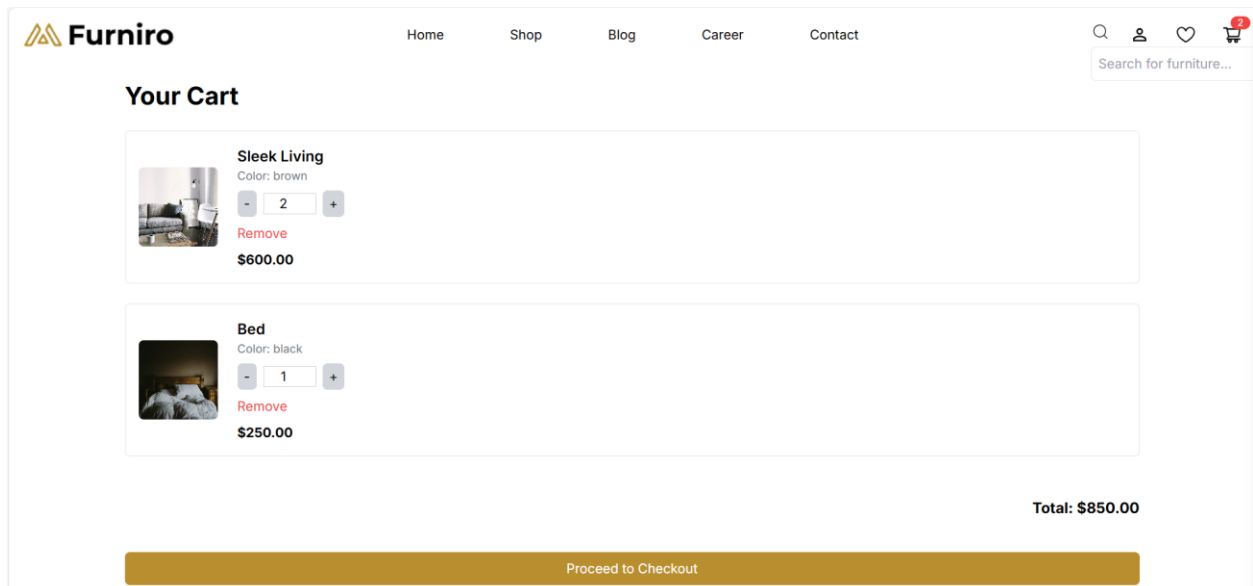
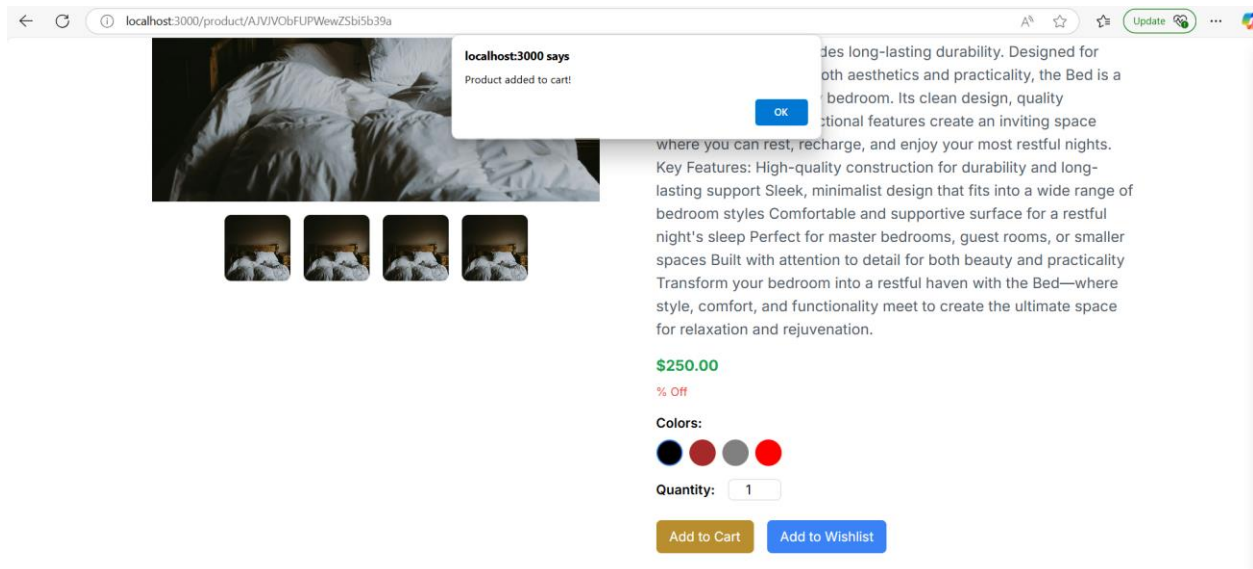
4. Cart Component:

The **Cart Component** was designed to provide users with a seamless way to view and manage the products they have added to their shopping cart.

Implementation Details:

- **State Management:** Leveraged the `useState` hook in React to dynamically track cart items and their quantities.
- **Key Features:**
 - Displays a detailed list of added products, including their **name**, **price**, and **quantity**.
 - Allows users to **update the quantity** of each product directly within the cart.
 - Automatically **calculates and displays the total price** of all items in the cart.
 - Enables users to **remove items** from the cart with a single action.

This component ensures a smooth and interactive shopping experience, empowering users to manage their selections effortlessly.



5. Wishlist Component:

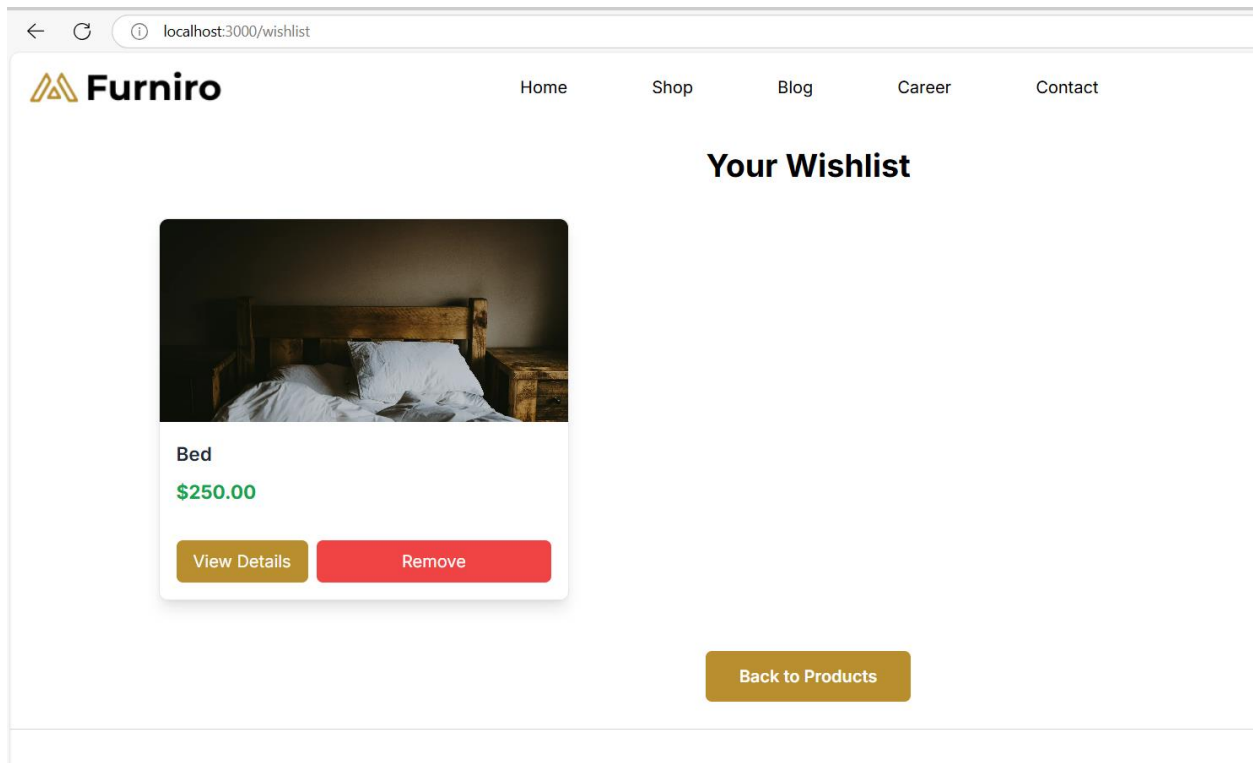
The **Wishlist Component** enables users to save products they are interested in for future reference.

Implementation Details:

- **Local Storage:** Utilized `localStorage` to store wishlist data persistently, ensuring that users can access their saved items even after refreshing or closing the browser.

- **Functionality:**

- Users can add or remove products from their wishlist with ease.
- The component dynamically updates to reflect changes, providing a seamless user experience.



6. Checkout Flow Component:

The **Checkout Flow Component** streamlines the process of placing an order, making it intuitive and user-friendly.

Implementation Details:

- **Form Creation:**

- Includes fields for **billing and shipping information**, such as name, address, city, and country.
- Collects **payment details** to facilitate smooth order processing.

- **Validation:**

- Ensures all mandatory fields are completed before proceeding with the order.

- Displays clear **error messages** for missing or invalid inputs, guiding users to correct their entries.

This component ensures a secure and efficient checkout process, enhancing user satisfaction and reducing friction during the final stages of purchase

←localhost:3000/checkout

Furniro

Home

Shop

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Career

Contact


🔍

👤

🛒

Update

Checkout




Sleek Living

Color: brown

Quantity: 2

\$600.00



Bed

Color: black

Quantity: 1

\$250.00

Customer Details

First Name

Last Name

Email Address

Phone Number

Delivery Address

Select Town/City

Payment Options

☒ Cash on Delivery (COD)

☐ Online Payment (Prepaid)

Order Summary

Subtotal: \$850.00

Delivery Charge: \$100.00

Discount: \$0.00

Total: \$950.00

Voucher Code

Apply

Confirm Order

Self-Validation Checklist:

Task	Status
Frontend Components	✓
Styling and Responsiveness	✓
Code Quality	✓
Documentation and Submission	✓
Final Review	✓