Day 4 - Dynamic Frontend Components - Hekto Web

Introduction:

This document provides a detailed overview of the E-commerce Furniture Website project. The platform focuses on selling furniture items and includes features like dynamic routing, reusable components, add-to-cart functionality, real-time notifications, checkout processes, and real-time stock updates integrated with Sanity CMS.

Key Features and Functionalities

1. Search Functionality:

- A fully functional search bar allows users to search for products dynamically by name or tags.
- Instant filtering displays relevant results as the user types.
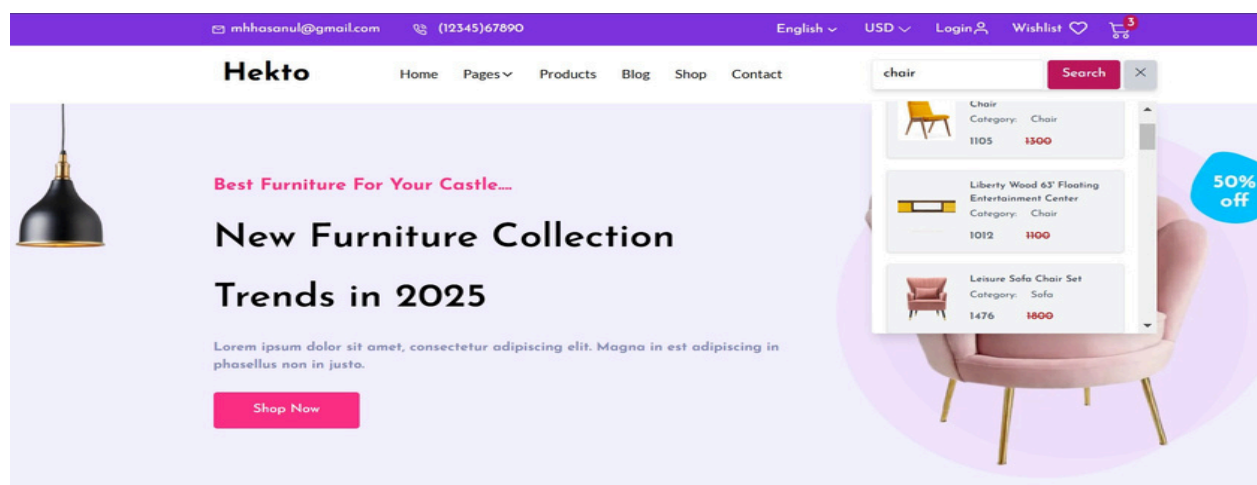
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2. Dynamic Routing for Product Details

- ● *Implemented dynamic routing using Next.js.*
- ● *Each product has its own detail page displaying:*
  - ○ *Product Name*
  - ○ *Description*
  - ○ *Price*
 - ○ *Availability (Stock Status)*
  - ○ *Images*
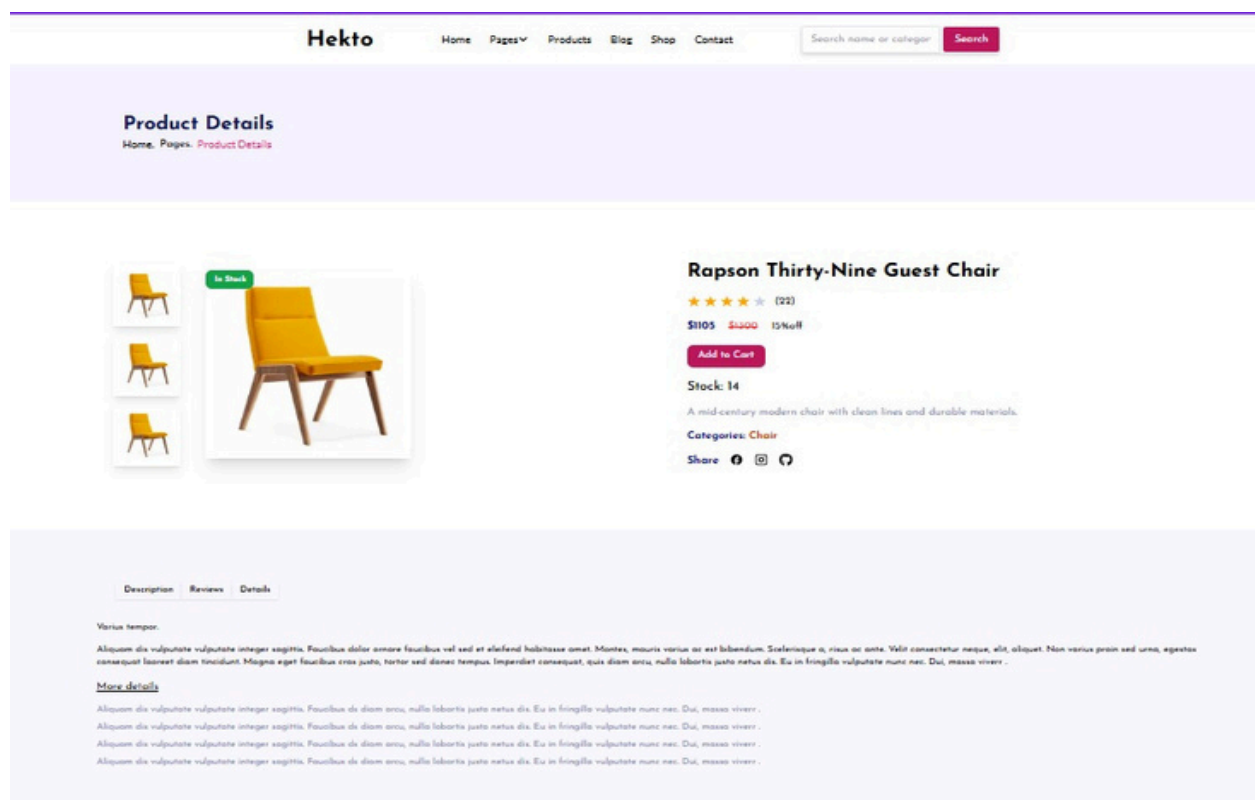
3. Reusable Components

- ● *Built modular and reusable components to ensure scalability and maintainability.*
- ● *Examples include:*
  - ○ *ProductCard Component*
  - ○ *Navbar Component*
  - ○ *Footer Component*

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4. Add-to-Cart Functionality

● **Users can add products to their cart dynamically.**
● **Features include:**
　○ **Display of total items and price in the cart.**
　○ **Quantity adjustment for products directly in the cart.**
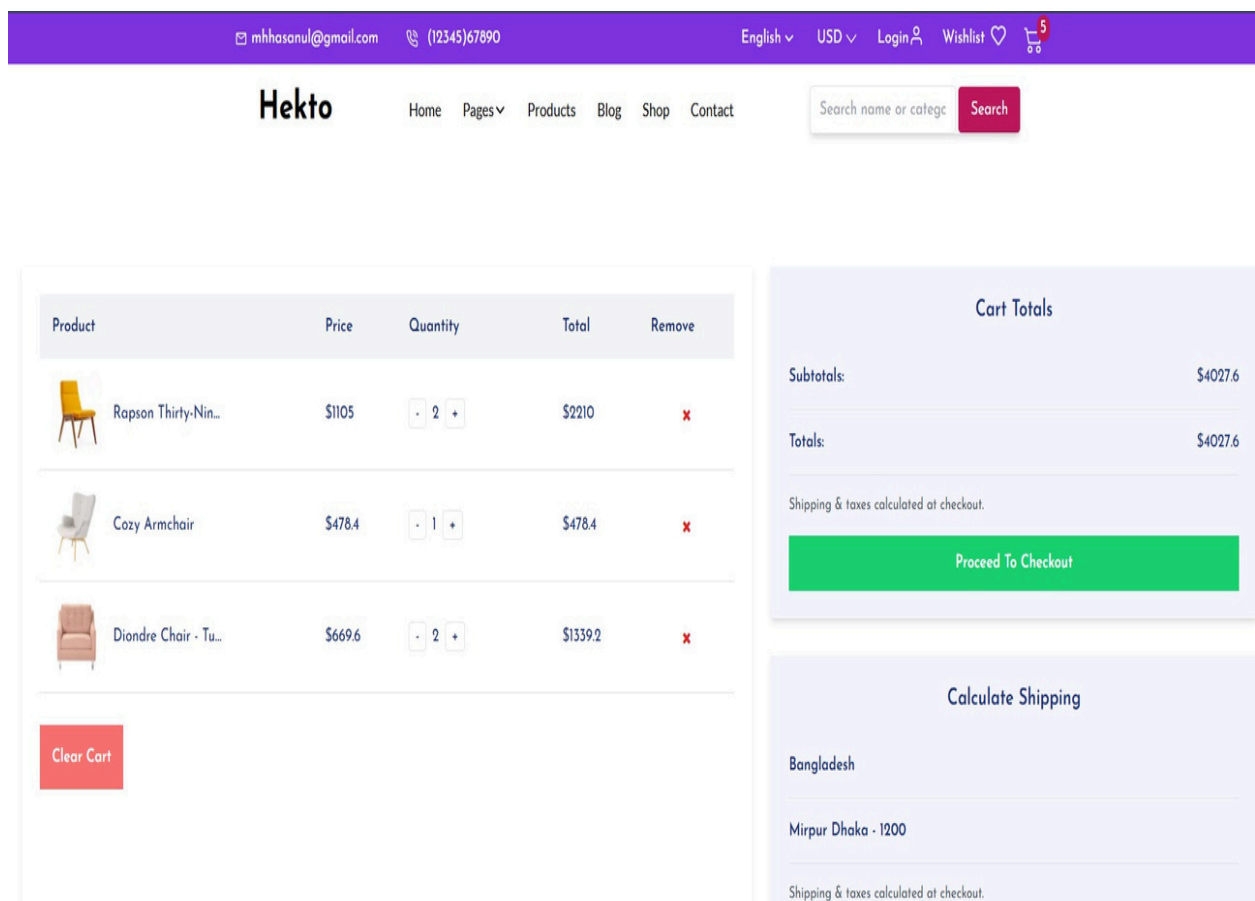
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5. Real-Time Notifications

- ● *Integrated toast notifications to enhance user experience.*
- ● *Notifications include:*
  - ○ *Confirmation of items added to the cart.*
  - ○ *Alerts for errors (e.g., adding out-of-stock items).*
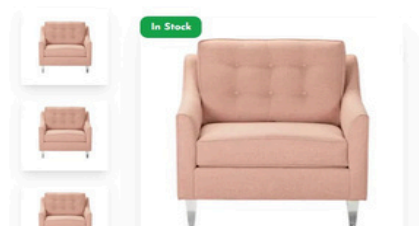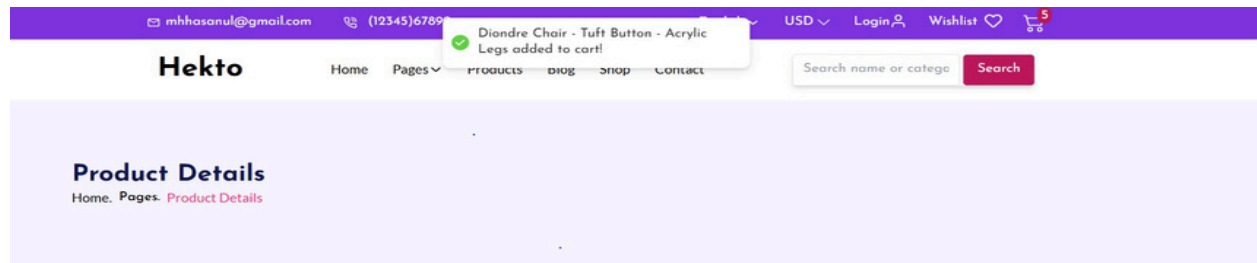
7. Real-Time Stock Updates

- ● *Implemented stock management integrated with Sanity CMS.*
- ● *Features include:*
  - ○ *Real-time stock updates in the backend whenever a product is added to the cart.*
  - ○ *Preventing users from adding out-of-stock items to their cart.*
  - ○
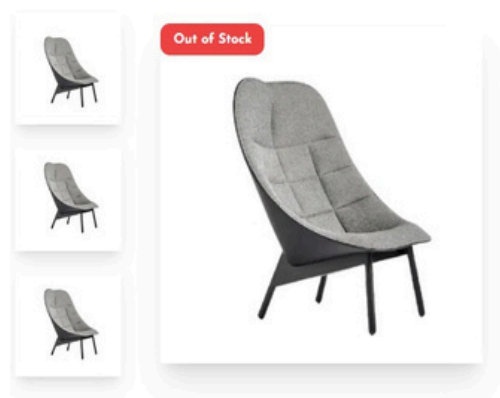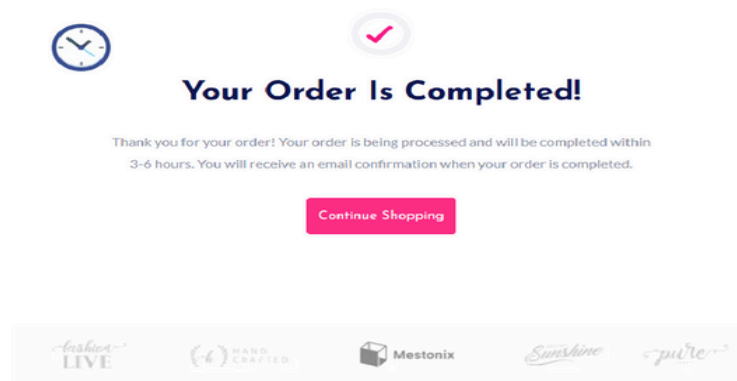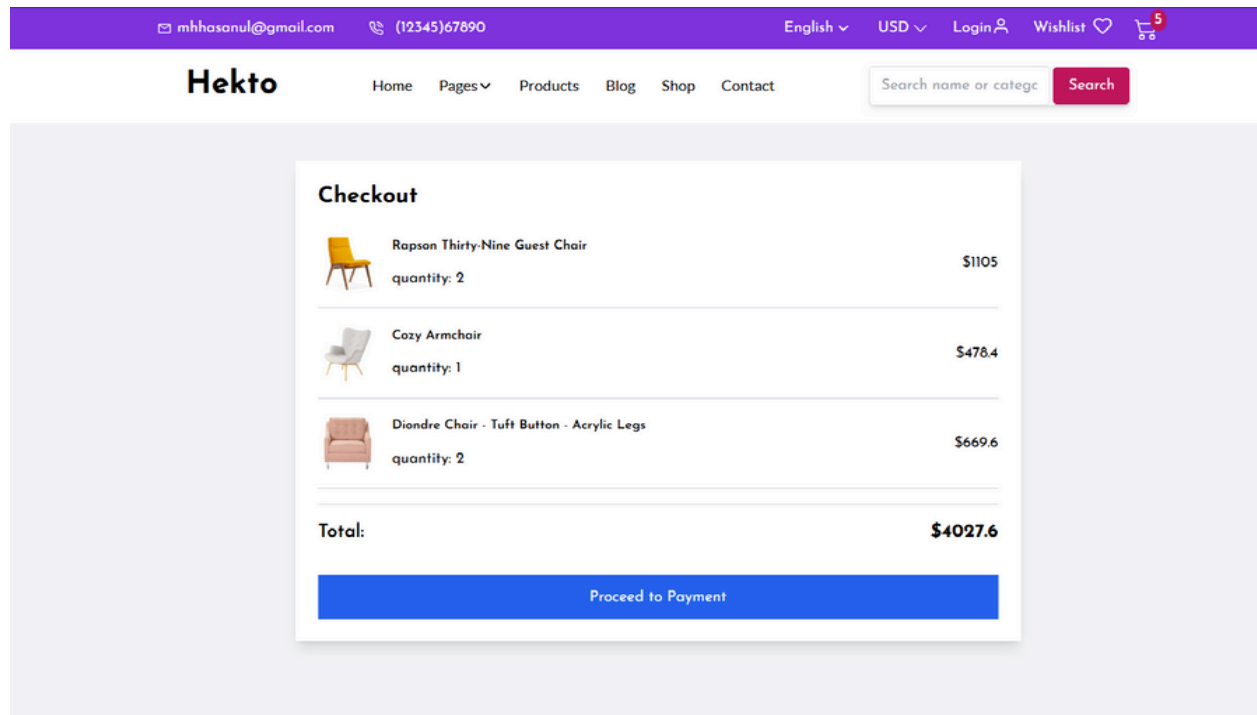

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6. Checkout Page

● *A multi-step checkout page was designed, including:*
   ○ *Billing and shipping address forms.*
   ○ *Mock payment gateway integration.*
   ○ *Order summary before confirmation.*

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FAQ Page

FAQ

Home. Pages. Faq

Generel Information

Eu dictumst cum at sed euismood condimentum?

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Ask a Question

Your Name

Subject*

Type Your Message*

Send Mail

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Hekto Demo

Cart/ Information/ Shipping/ Payment

Already have an account? Log In

Contact Information

Email or mobile phone number

☐ Keep me up to date on news and exclusive offers

Shipping address

First name (optional)   Last name

Address

Appaetnentment,suit,e.t.c (optinal)

city

Bangladesh   Postal code

Continue Shipping

	Rapson Thirty-Nine Guest Chair quantity:2	$1105
	Cozy Armchair quantity:1	$478.4
	Diondre Chair - Tuft Button - Acrylic Legs quantity:2	$669.6

Subtotals: $4027.6

Totals: **$4027.6**

☐ Shipping & taxes calculated at checkout

Proceed To Checkout

Tools and Technologies Used

- ● *Frontend: Next.js, Tailwind CSS*
- ● *Backend CMS: Sanity (for dynamic content management)*
- ● *State Management: React Context API*
- ● *Notifications: React Toastify*

Conclusion

The E-commerce Furniture Website successfully demonstrates the integration of advanced frontend and backend features, emphasizing real-time functionality and user experience. The use of dynamic routing, reusable components, and real-time stock management with Sanity CMS showcases a professional and scalable approach to modern web development.

Final Checklist

Frontend Component Development	Styling and Responsiveness	Code Quality	Documentation and Submission	Final Review
✓	✓	✓	✓	✓

Made By:
Syeda Farheen Zehra