

# Day 4 - Dynamic Frontend Components - Hekto Web

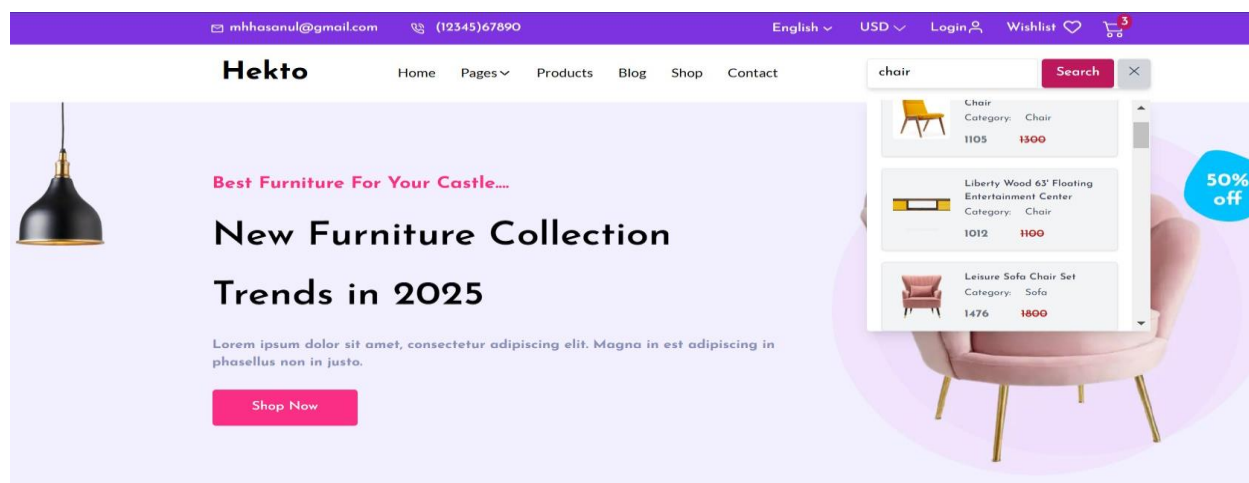
## Introduction:

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

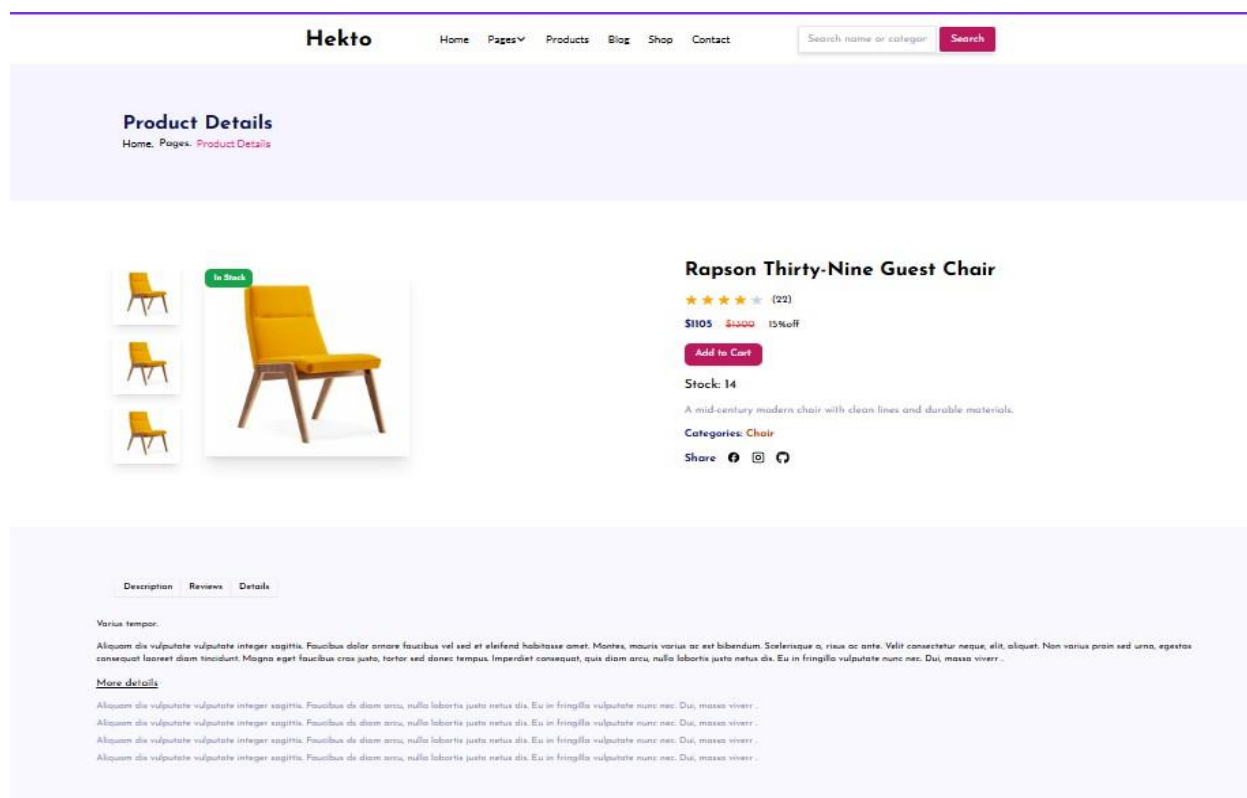
### 1. Search Functionality:

- 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.



## 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

## 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.

mhhasanul@gmail.com







(12345)67890

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Search

| Product   | Price   | Quantity         | Total    | Remove  |
|---|---------|------------------|----------|---|
|  Rapson Thirty-Nin...  | \$1105  | <div>- 2 +</div> | \$2210   |  |
|  Cozy Armchair         | \$478.4 | <div>- 1 +</div> | \$478.4  |  |
|  Diondre Chair - Tu... | \$669.6 | <div>- 2 +</div> | \$1339.2 |  |

Clear Cart

Cart Totals

Subtotals:

\$4027.6

Totals:

\$4027.6

Shipping & taxes calculated at checkout.

Proceed To Checkout

Calculate Shipping

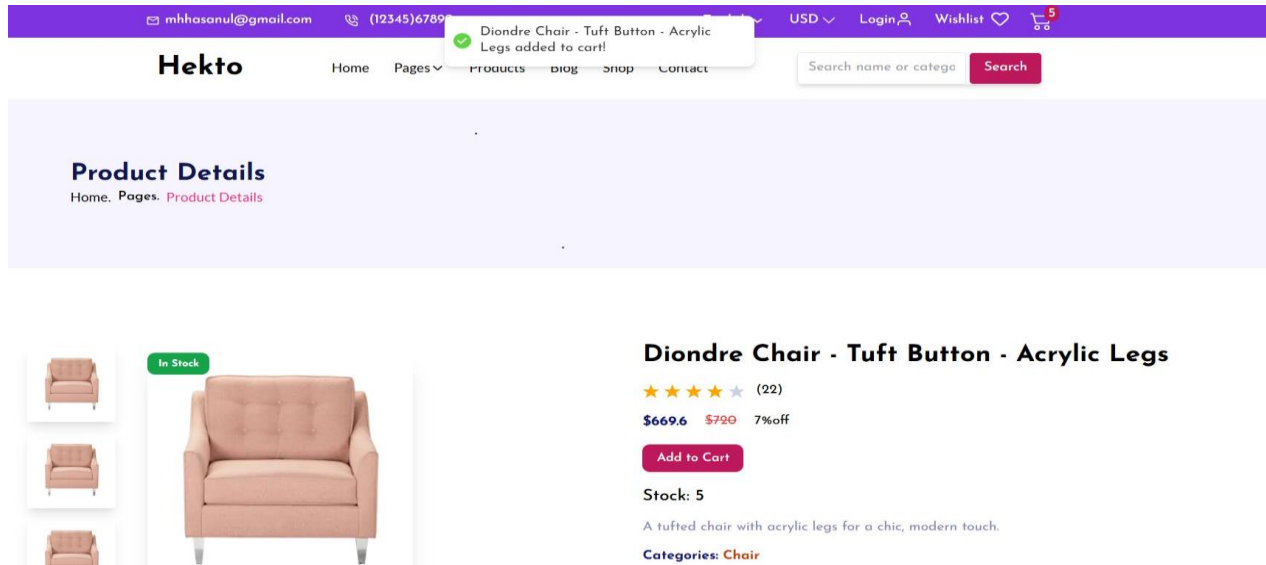
Bangladesh

Mirpur Dhaka - 1200

Shipping & taxes calculated at checkout.

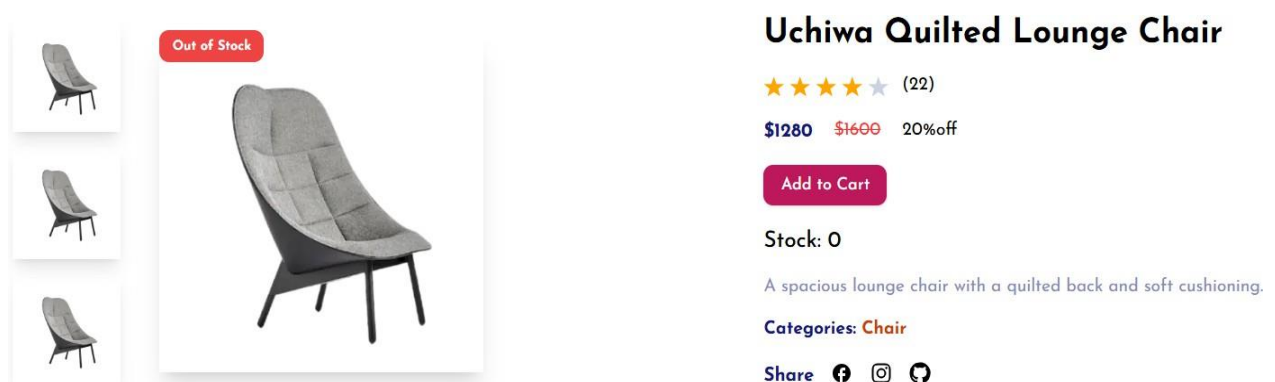
## 5. Real-Time Notifications

- 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).



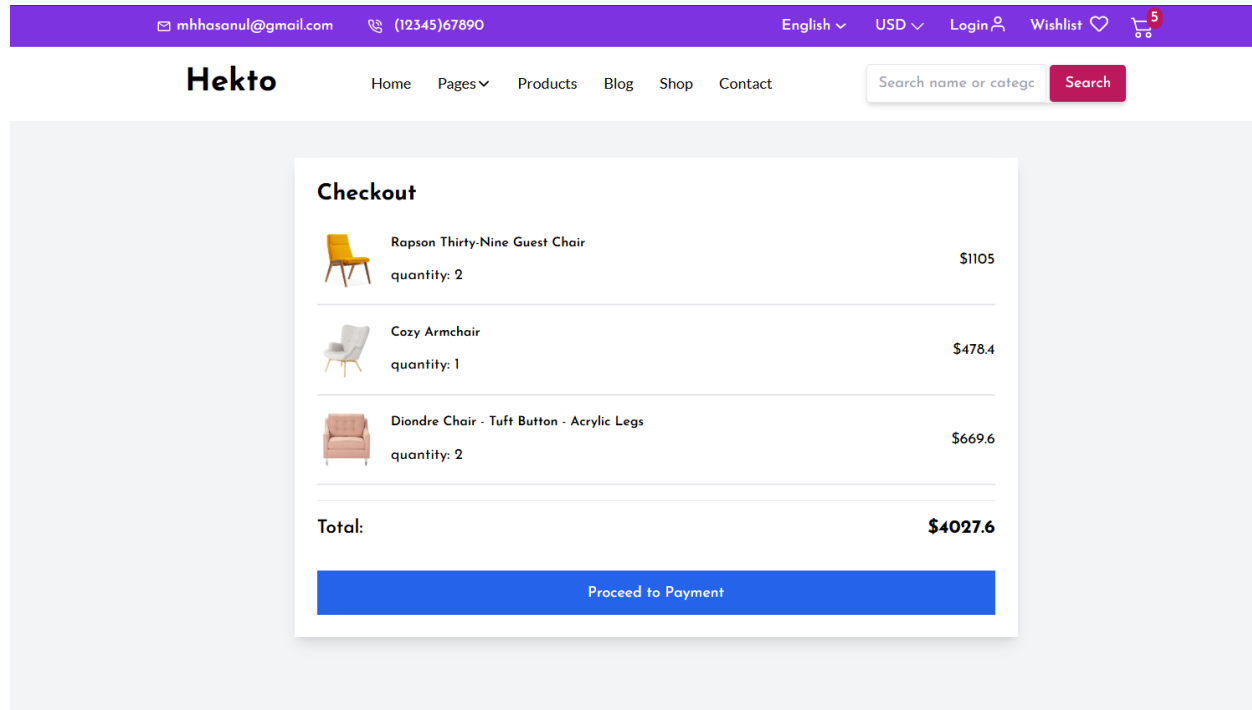
## 7. Real-Time Stock Updates

- 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.



## 6. Checkout Page

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



## Your Order Is Completed!

Thank you for your order! Your order is being processed and will be completed within 3-6 hours. You will receive an email confirmation when your order is completed.

[Continue Shopping](#)

*fashion*  
LIVE

*(6)* HAND  
CRAFTED

 Mestonix

*Sunshine*

*pure*

# FAQ Page

## FAQ

Home. Pages. **Faq**

### General Information

#### Eu dictumst cum at sed euismood condimentum?

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#### Odio muskana hak eris conseeikin skeleton?

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### Ask a Question

## 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

Appaetnment,suite,e.t.c (optional)

city

Bangladesh Postal code

[Continue Shipping](#)

|   |  |         |
|---|--|---------|
|  | Rapson Thirty-Nine Guest Chair<br>quantity:2             | \$1105  |
|  | Cozy Armchair<br>quantity:1                              | \$478.4 |
|  | Diondre Chair - Tuft Button - Acrylic Legs<br>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 |
|--------------------------------|----------------------------|--------------|------------------------------|--------------|
| ✓                              | ✓                          | ✓            | ✓                            | ✓            |