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# Day 4 – Dynamic Frontend Components Report for FurniCo

## 1. Introduction

This report outlines the development of dynamic and responsive frontend components for FurniSite, focusing on:

1. Dynamic product display.
2. Adding search and filter functionalities.
3. Creating a Product Listing Page.
4. Developing a Product Detail Page.
5. Building a functional cart with order management.

Product	Price	Quantity	Subtotal	
	Rp. 25000	- 1 +	Rp. 25000	
	Rp. 258200	- 1 +	Rp. 258200	
	Rp. 115000	- 1 +	Rp. 115000	

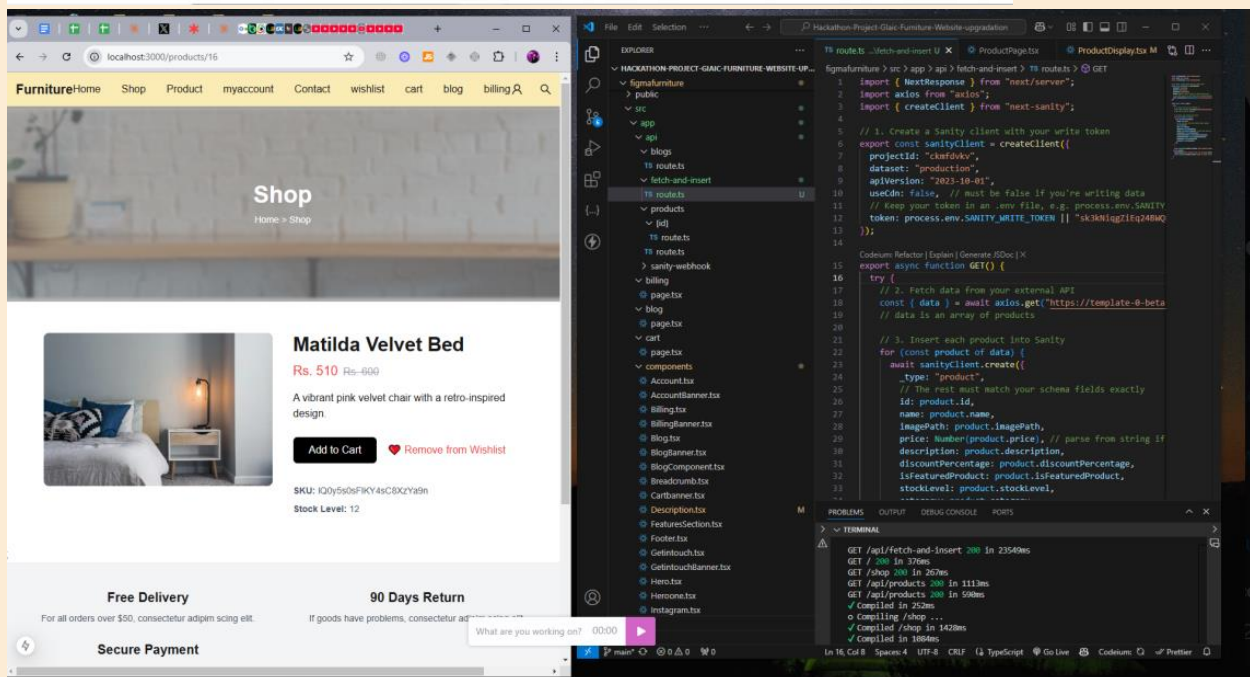
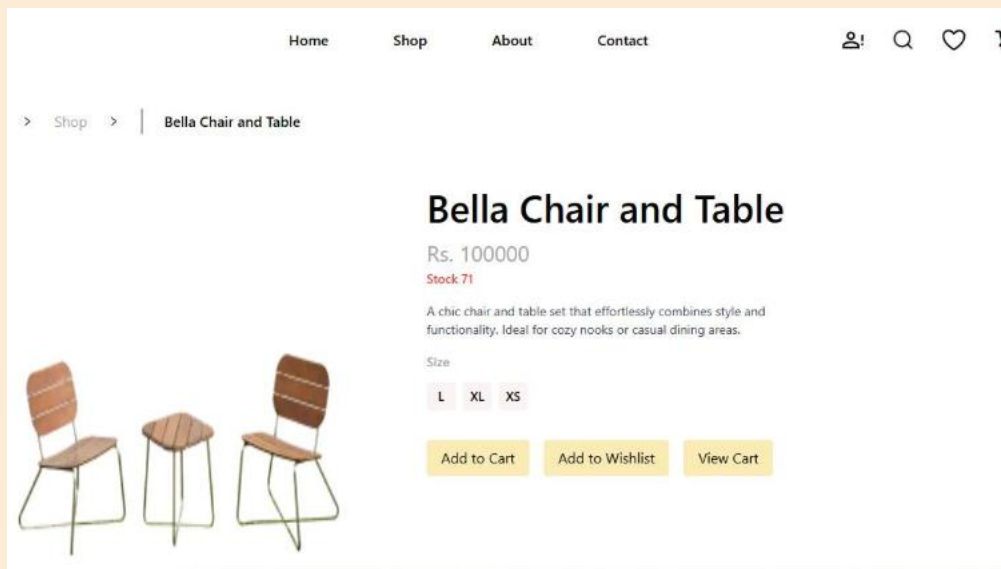
### Cart Totals

Total Items 8

Total Price **Rp 1,132,200**

Check Out

6.



## 2. Tasks Overview

### Step 1: Product Listing

- Fetched product data dynamically from an API.

- Displayed products in a responsive grid with names and prices.

## **Step 2: Product Detail Page**

- Designed a detailed view for each product using dynamic routing.
- Included an "Add to Cart" button.

## **Step 3: Category Component**

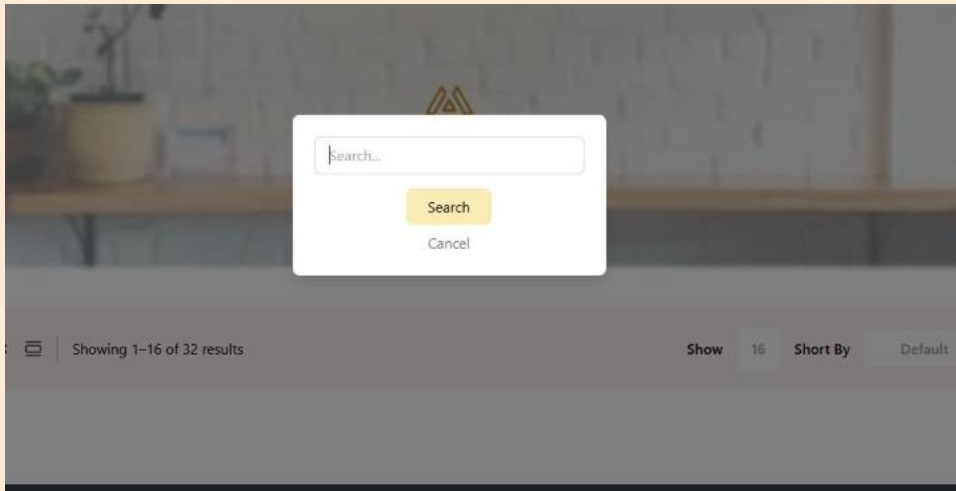
- Dynamically fetched categories from the data source.
- Enabled product filtering by selected categories.

## **Step 4: Search Bar and Filters**

- Developed a search bar for real-time product filtering.
- Integrated category filters fetched from the API.

## **Step 5: Cart Functionality**

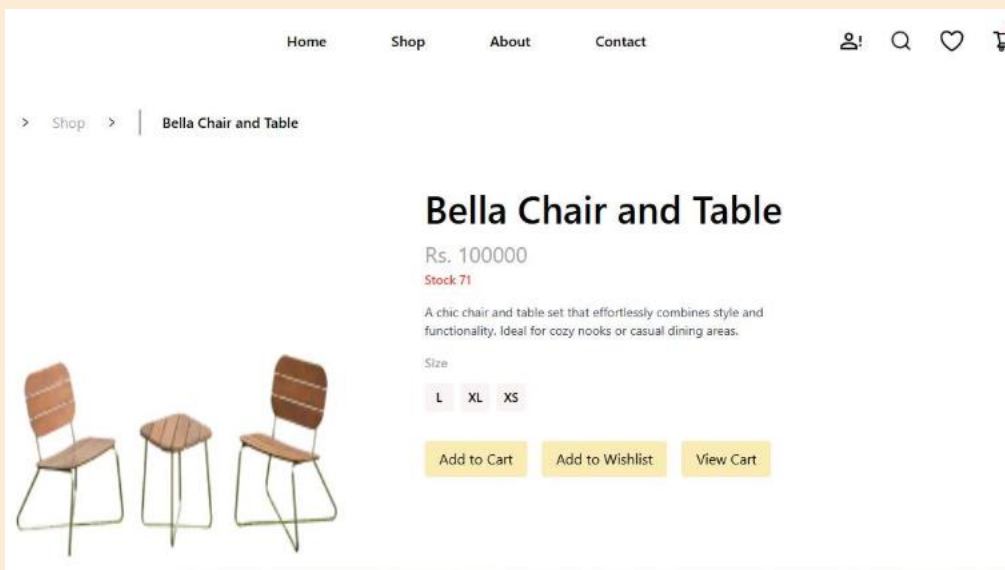
- Allowed users to add/remove products from the cart.
- Implemented real-time cart updates and a checkout button.



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- Items added to the cart include selected colors, sizes, and quantities.

## Step 6: Checkout

- Clicking the checkout button navigates to the checkout page.
- Added functionality for completing checkout details.



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### 3. Self-Validation Checklist

#### Frontend Component Development ✓ / ✗

Dynamic product listing ✓

Product detail page ✓

Category filter ✓

Search bar ✓

Cart functionality (add/remove items) ✓

Checkout functionality ✗

Login/SignUp Page ✗

#### Styling and Responsiveness ✓ / ✗

Responsive grid for product listings ✓

Consistent UI design ✓

Mobile responsiveness ✓

#### Code Quality ✓ / ✗

Modular and reusable components ✓

Clean, organized code structure ✓

## **Code Quality** ✓ / ✗

State management and data binding ✓

Performance optimization ✓

## **Documentation and Submission** ✓ / ✗

Component documentation ✓

Steps for setup and running ✓

Code comments and explanations ✓

Submission on time ✓

## **Final Review** ✓ / ✗

All functionality tested ✓

User-friendly UI/UX ✓

No bugs/issues ✓

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## **4. Conclusion**


Dynamic frontend components were successfully developed, enhancing user experience with features like


responsive layouts, dynamic filters, and cart functionality. Screenshots validate the completed tasks.

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