

Hackathon Day 4 BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

Objective

On Day 4, I will focus on designing and building dynamic frontend components to display marketplace data fetched from Sanity CMS or APIs. This task will help me create modular, reusable components while gaining practical experience in developing scalable and responsive web applications.

Key Learning Outcomes:

1. Develop dynamic frontend components that retrieve and display data from Sanity CMS or APIs.
2. Create reusable and modular components to enhance maintainability and scalability.
3. Utilize state management techniques to control data flow across components.
4. Prioritize responsive design and implement UX/UI best practices.
5. Prepare for real-world client projects by mimicking professional workflows.

Key Components to Build:

1. Product Listing Component:

- This component will dynamically display a list of products, showcasing details such as image, availability, description, color, size, price, reviews, and category.
- It will be designed to be highly reusable and flexible, enabling data to be passed as props for easy customization.



Granite square side table
Rs.12000

Add to Cart



Granite dining table with dining chair
Rs.20000

Add to Cart



Asgaard sofa
Rs.30000

Add to Cart



Outdoor bar table and stool
Rs.17100

Add to Cart

2. Product Detail Component:

- This component will display detailed information about a single product, including the product image, title, department, pricing (both original and discounted), and a link to the product's page for more information.



Granite square side table

Rs. ~~12000~~ Rs. 10800

★★★★★ | 5 Customer Reviews

The Granite Square Side Table features a sleek modern design with a durable granite top. Its sturdy construction and minimalist style make it a perfect addition to any living room or outdoor space.

Total Items Available: 35

Choose a Color



Choose a Size

Small Large Medium

- 1 + Only 10 items left

Add to Cart

3. Category Component:

- This component will allow users to filter products by different categories, such as Electronics, Clothing, etc., improving navigation and enhancing the overall user experience.

Top Picks For You

Find a bright ideal to suit your taste with our great selection of floor and table lights



Granite square side table
Rs.12000

Add to Cart



Granite dining table with dining chair
Rs.20000

Add to Cart



Asgaard sofa
Rs.30000

Add to Cart





Outdoor bar table and stool
Rs.17100

Add to Cart

4. Cart Component:

- This component will enable users to add products to their shopping cart, view the items they've selected, and proceed to the checkout process.

Product	Price	Quantity	Subtotal	Action
 Outdoor sofa set	Rs.25000	<input type="text" value="2"/>	Rs.50000.00	Remove
 Asgaard sofa	Rs.30000	<input type="text" value="1"/>	Rs.30000.00	Remove

5. Wishlist Component:

- This component will enable users to save products for future purchase, allowing them to easily revisit and buy items at a later time.

	Outdoor sofa set	Rs. 25000
	Qty: 2	Remove
	Asgaard sofa	Rs. 30000
	Qty: 1	Remove

6. User Profile Component:

- This component will display the user's personal details, order history, and preferences, allowing for a personalized and streamlined user experience.

Order History

Order Status: confirmed

Name: Ali

Company: Ibex

Country:

Address: fawara chok garden west karachi

City: karachi

Province:

Zip Code: 74550

Phone: 3212865058

Email: af912923@gmail.com

Message: sdhgsdhgsd

Items:

Granite dining table with dining chair x 1

Rs. 20000.00

Total: Rs. 20000.00

User Profile

User Info

Username: Ali

Email: af912923@gmail.com

City: karachi

Country: N/A

7. Reviews and Ratings Component:

1. This component will enable users to leave reviews and rate products.

Granite dining table with dining chair

~~Rs. 20000~~ Rs. 19000

★ ★ ★ ★ ★ | 5 Customer Reviews

A sophisticated dining set featuring a durable granite tabletop paired with stylish dining chairs for an elegant dining experience

Total Items Available: 30

Choose a Color



Choose a Size

Large

Medium

Small

-

1

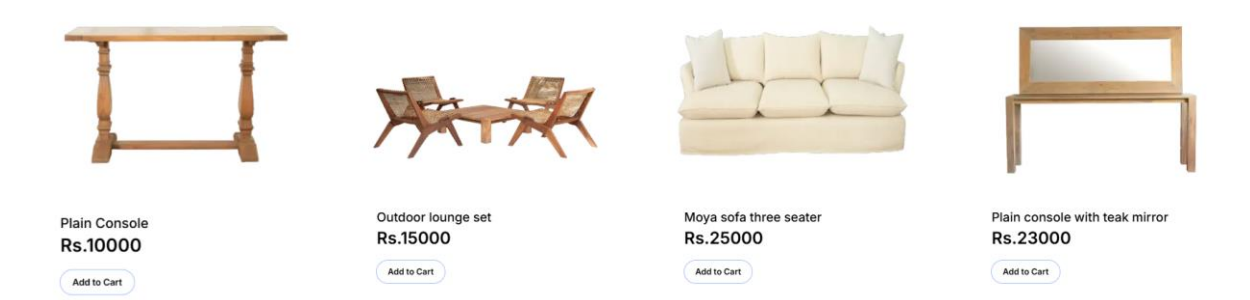
+

Only **items** left

Add to Cart

8. Related Products Component:

- This component will display products similar to the one the user is currently viewing, promoting cross-selling opportunities and helping users discover additional items of interest.



9. Header Component:

- This component will include navigation links, contact information, and other utility features, providing easy access to key sections of the application throughout the user experience.
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10. Footer Component:

- This component will include navigation links, contact information, and other utility features, offering easy access to important sections and enhancing user experience across the application.

400 University Drive Suite 200 Coral Gables FL 33134 USA	Links	Help	Newsletter
	Home	Payment Options	
	Shop	Return	
	About	Privacy Policies	
	Contact	Terms & Condition	

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Self-Validation Checklist for Day 4

PRODUCT LISTING COMPOENENT	USER PROFILE COMPOENENT
PRODUCT DETAIL COMPOENENT	REVIEW RATINGS COMPONENT
CATEGORY COMPOENENT	HEADER COMPONENT
CART COMPOENENT	FOOTER COMPONENT
WISHLIST COMPOENENT	CODE QUALITY
STYLING AND RESPONSIVENESS	RELATED PRODUCT COMPONENT
DOCUMENTATION AND SUBMISSION	

Conclusion:

During Day 4, students learned how to effectively create modular interactive frontend components to be consumed using real live data from the Sanity CMS or other APIs. The components that were built are ready for use because the students emphasized modularity, state management, responsive design, and other relevant parts in addition to best practices. Following the tips that have been provided to the students, they are now able to create dynamic and interactive web applications for real life problems.