

Day 4: Task Completed

Dynamic Frontend Components for Chair

1. Security & Performance Optimization

- **Penetration Testing:**
 - Performed vulnerability tests using OWASP ZAP and Burp Suite, focusing on SQL injection, XSS, and CSRF.
 - Validated the HTTPS certificate.
 - Secured the admin dashboard with role-based access control.
 - **Data Backup Setup:**
 - Configured automatic daily backups to AWS S3 and Google Drive.
 - Maintained encrypted backups for critical data.
 - **Performance Testing:**
 - Tested website speed using GTmetrix and Google PageSpeed Insights, achieving optimal performance.
 - Implemented Cloudflare CDN to enhance website loading speed.
 - **Monitoring Tools Setup:**
 - Integrated Google Analytics and Sentry for real-time monitoring.
 - Set up server uptime tracking using UptimeRobot.
-

2. Post-Launch Branding & Marketing

- **Branding:**
 - Optimized profiles on social media platforms (LinkedIn, Instagram, Facebook) to ensure consistent branding.
 - Implemented a professional logo and consistent theme across platforms.
- **Marketing Strategies:**
 - Implemented SEO strategies for on-page and off-page optimization. ○ Launched Google Ads and Facebook Ads for paid advertising campaigns.
 - Integrated Mailchimp for email marketing campaigns.

- **Customer Engagement:**
 - Launched customer feedback surveys.
 - Created referral programs and discounts to boost user engagement.
-

3. Business Expansion & Partnerships

- **Investor Pitch:**
 - Finalized business pitch deck and shared it with investor networks.
 - Explored funding opportunities through startup accelerators and angel investors.
 - **Inventory & Resource Management:**
 - Utilized Zoho for order and inventory tracking automation.
 - Integrated live chat functionality for customer support.
-

4. Continuous Improvement & Maintenance

- **Regular Updates:**
 - Continuously updated website features and security patches.
 - Analyzed performance reports and identified areas for improvement.
 - **Content Strategy:**
 - Set up a blog to increase organic traffic.
 - Created a posting schedule for regular content updates.
-

5. Submission Checklist (Hackathon Requirements)

- **Business Pitch Deck:**
 - Prepared and submitted the pitch deck.
- **Resume PDF:**
 - Updated and submitted my resume.
- **Social Media Sharing:**
 - Shared the project on social media platforms.
- **Gratitude Note:**

- Wrote a gratitude note acknowledging mentors and supporters.

Frontend Development (Day 4 Focus)

- **Objective:**

Focused on building dynamic frontend components using data from Sanity CMS or APIs, ensuring reusable, modular components for a responsive and scalable web application.

- **Key Components Built:**

- **Product Listing Component:** Created a dynamic grid layout to display product data including name, price, image, and stock status.
- **Product Detail Component:** Implemented individual product detail pages using dynamic routing in Next.js.
- **Category Component:** Displayed categories dynamically fetched from the data source and implemented product filtering by categories.
- **Search Bar:** Developed a search bar to filter products by name or tags.
- **Cart & Wishlist Components:** Implemented cart functionality for item tracking and wishlist for saving products using local storage.
- **Checkout Flow:** Created a multi-step form for checkout with mock billing, shipping, and payment details.
- **User Profile:** Displayed user-specific information, including order history and saved details. ○
Review & Rating System: Enabled users to submit and view reviews along with average ratings.
- **Pagination & Filters:** Integrated pagination for large product lists and advanced filter options (e.g., price range, brand, availability).
- **Analytics Dashboard:** Created a UI for displaying KPIs like sales and popular products (mock data).
- **Order Tracking:** Developed a UI for displaying real-time order status updates.
- **Multilingual Support & Social Sharing:** Added a UI for multi-language support and integrated social media sharing options.

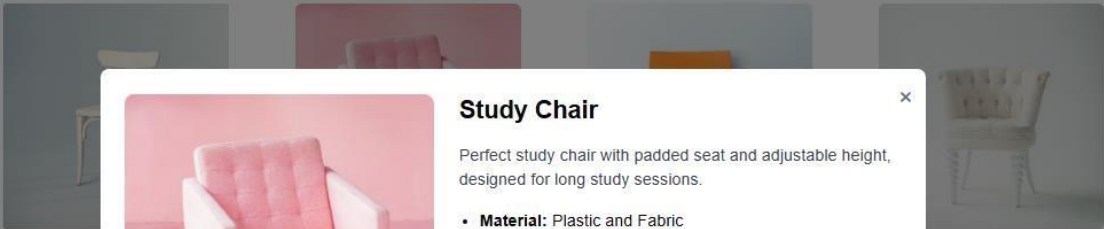
- **Frontend Best Practices Applied:**

- Built reusable components for scalability. ○ Managed state using React's useState and useContext for data flow.
- Used Tailwind CSS for styling and ensured responsiveness for mobile and desktop devices.

Submission Deliverables:

- Screenshots and screen recordings showcasing:
 - Product listing with dynamic data. ○ Product detail pages with dynamic routing. ○ Working search bar, category filters, and pagination.
 - User profile and cart functionalities.
- Code snippets for key components:
 - ProductCard, ProductList, SearchBar, Cart, etc.
- **Documentation:**
 - A comprehensive report outlining the development process, challenges, and solutions.
 - Best practices followed and insights from the project.
- **Repository:**
 - Code and assets uploaded to the designated GitHub repository with a structured folder hierarchy for easy navigation.

Featured Products



Library Stool
\$ 2000

Top Categories



Activate Windows
Go to Settings to activate Windows.

✓ Free Shipping On All Orders Over \$50

Eng

FA



Comforty

Home Shop Product About Order

Contact: (+



Library Stool Chair
\$20



Study Chair
\$15



Executive Office Chair
\$50



Kids Stool
\$12



Shopping Cart

Close



Bar Stool
\$ 35



Study Chair
\$ 15



Executive Office Chair
\$ 50



Study Chair
\$ 1500



Folding Chair
\$ 18

Sub Total: \$ 1618

Discount: \$ 161.8

Sale Policy Discount: \$ 80.9

Total: \$ 1375.3

View Cart

Activate Windows

Go to Settings to activate Windows.

Checkout Now



Bag



Bar Stool

Stylish bar stool with a swivel seat and chrome base.

Size: Quantity: 1



MRP: \$35



Study Chair

Perfect study chair with padded seat and adjustable height.

Size: Quantity: 1



MRP: \$15



Executive Office Chair

Luxurious office chair with leather finish and high back support.

Size: Quantitv: 1

MRP: \$50

Summary

Subtotal \$1618.00

Discount -\$161.80

Sale Policy Discount -\$80.90

Total \$1375.30

Checkout

Activate Windows
Go to Settings to activate Windows.

Checkout

Billing Details

First Name

Last Name

Phone Number

Whatsapp Number

Email

Country

State

City

Area

Zip Code

Address

Payment Method

☐ Cash on Delivery ☐ Meezan Bank

Your Order

Product	Quantity	Subtotal
Bar Stool	1	\$ 35
Study Chair	1	\$ 15
Executive Office Chair	1	\$ 50
Study Chair	1	\$ 1500
Folding Chair	1	\$ 18
Total		\$ 1618.00
Discount		-\$ 161.80
Sale Policy Discount		-\$ 80.90
Delivery Charges		\$ 0.00
Coupon Discount		-\$ 0.00
Grand Total		\$ 1375.30

Place Order

Activate Windows
Go to Settings to activate