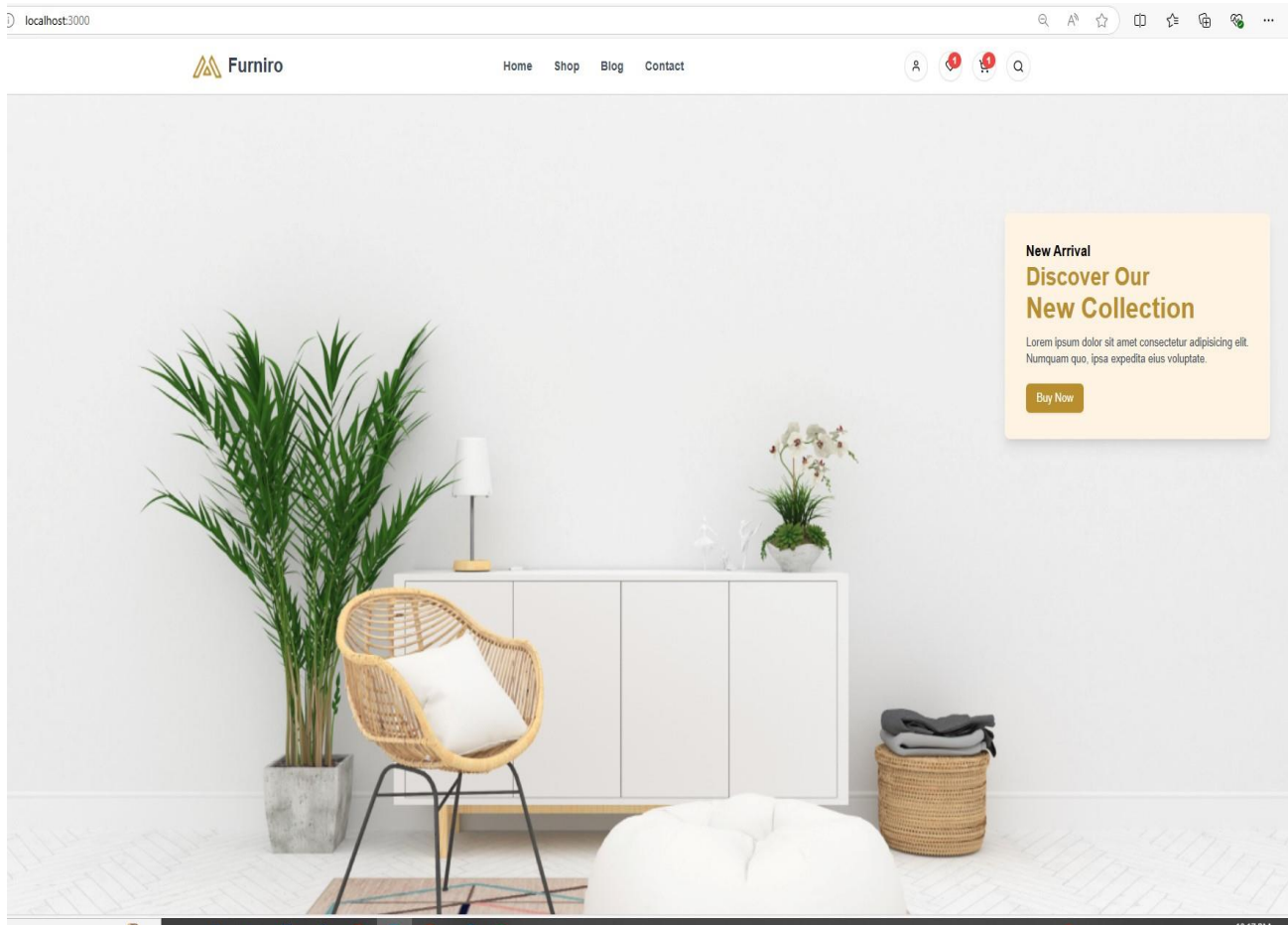# DAY 5 TESTING AND BACKEND REFINEMENT

PREPARED BY : Fatima Mudassir
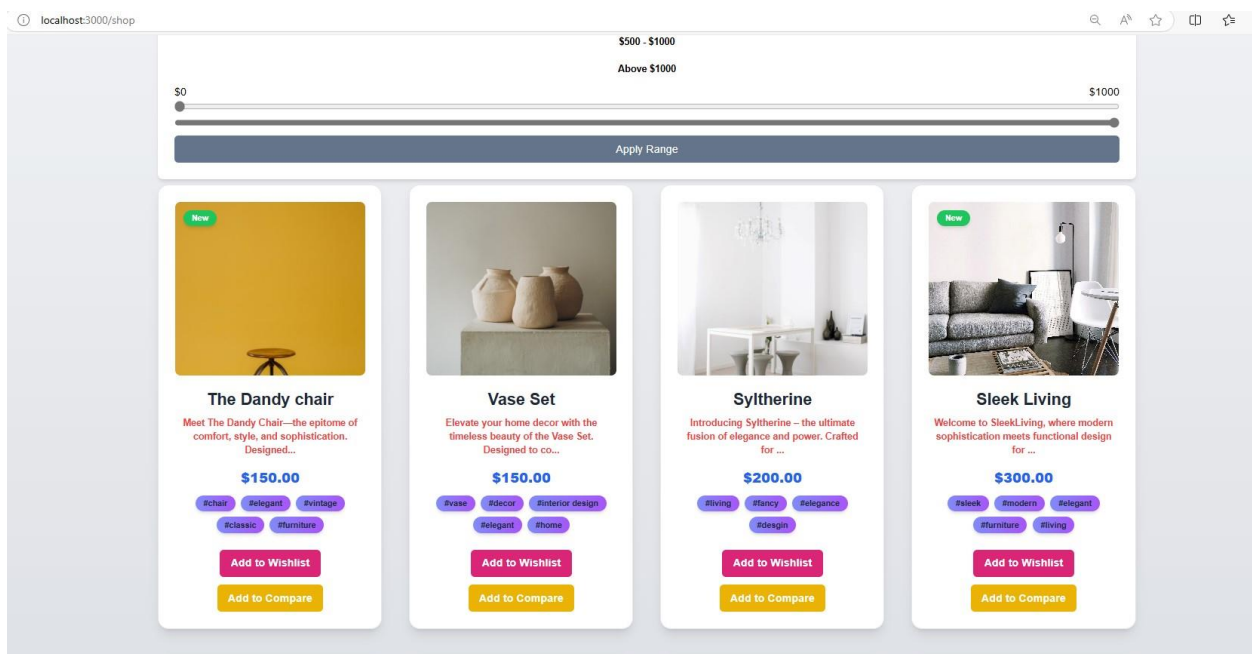
1) Functional Deliverables

a) HOMEPAGE

b) **Shop Page**:

The first component to showcase is the **Shop Page**, where all the products are listed. This page will be captured in a screenshot, showing the various products available for users to browse.


c) **Wishlist Functionality**:

After navigating to the shop page, we demonstrate the **Wishlist Functionality**. A user can click the "Add to Wishlist" button beneath any product, and the product is successfully added to the wishlist. A

screenshot of the **Wishlist Page** will also be included, showing the added items.
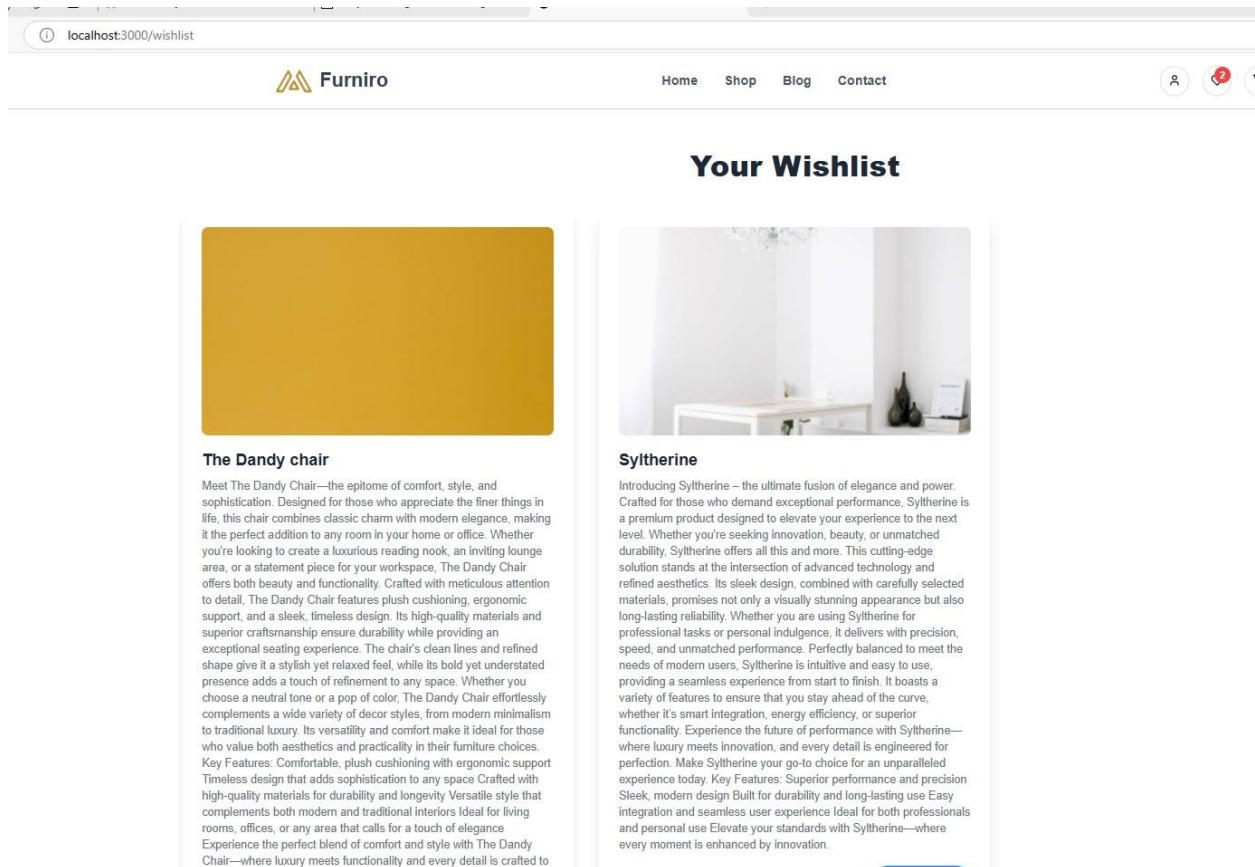
d) **Add to Compare**:

Similarly, a product can be added to the comparison list by clicking the "Add to Compare" button. Once clicked, the product is successfully added to the **Compare Page**. A screenshot of the **Compare Page** will be provided, showing the comparison of selected products.
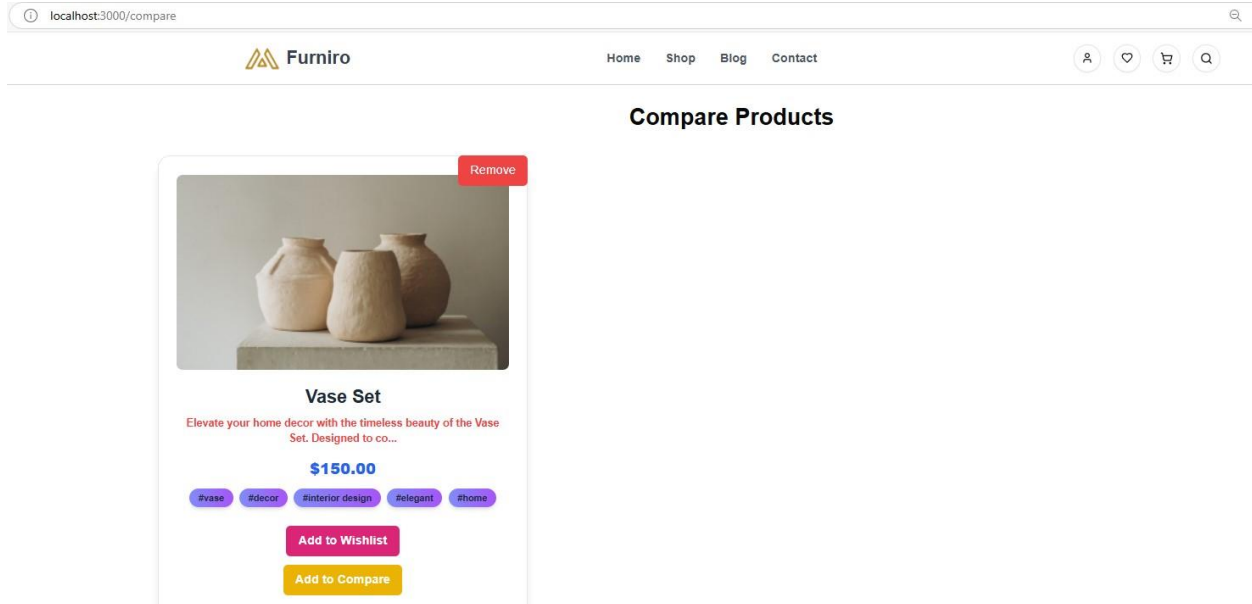
e) **Dynamic Product Pages**:
The **Dynamic Product Pages** will be showcased by clicking on any product on the shop page. Each product page dynamically loads detailed information about the selected product, including its description, specifications, and images. A screenshot of the dynamic product page will be included, highlighting the dynamic data and content.
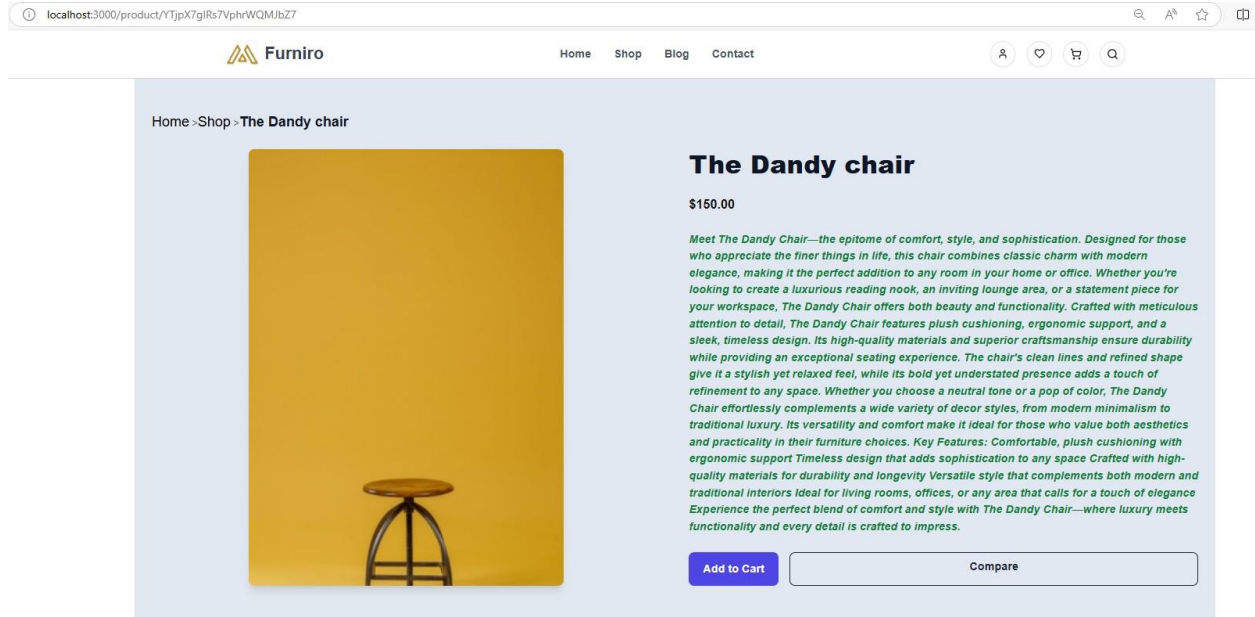
f) **Add to Cart Functionality**:

On the product page, users can click the "Add to Cart" button. Upon clicking, a notification will appear indicating that the product has been added to the cart. The user can then click the "View Cart" button to navigate to the **Cart Page**. A screenshot of the **Cart Page** will be included, showing the product details, quantity, and price.
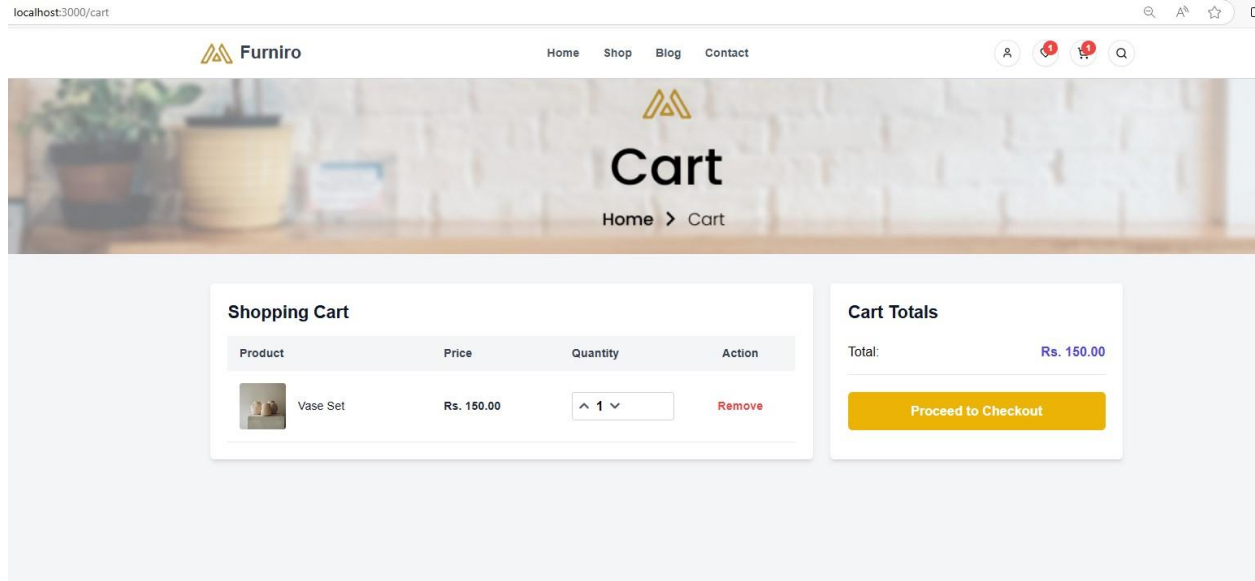
g) **Checkout Process**:

Once in the cart, the user can click the "Proceed to Checkout" button. After clicking, the **Checkout Page** loads, displaying the order summary and payment options. A screenshot of the **Checkout Page** will be provided, showcasing the final steps in the purchase process.

Furniro

Home   Shop   Blog   Contact

Checkout

Home > Checkout

Billing Details

First Name*

Company Name

Street Address*

Apartment, floor, etc. (Optional)

Town/City*

Phone Number*

Email Address*

Order Summary

Vase Set   Qty: 1 $150

Total   **$150.00**

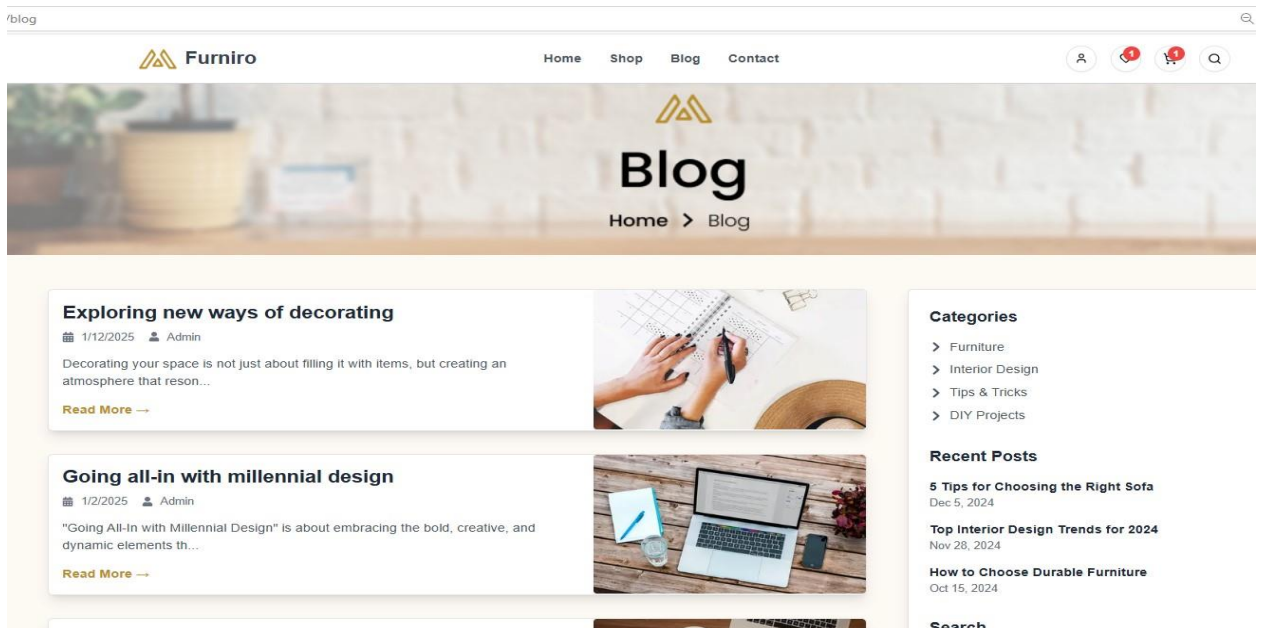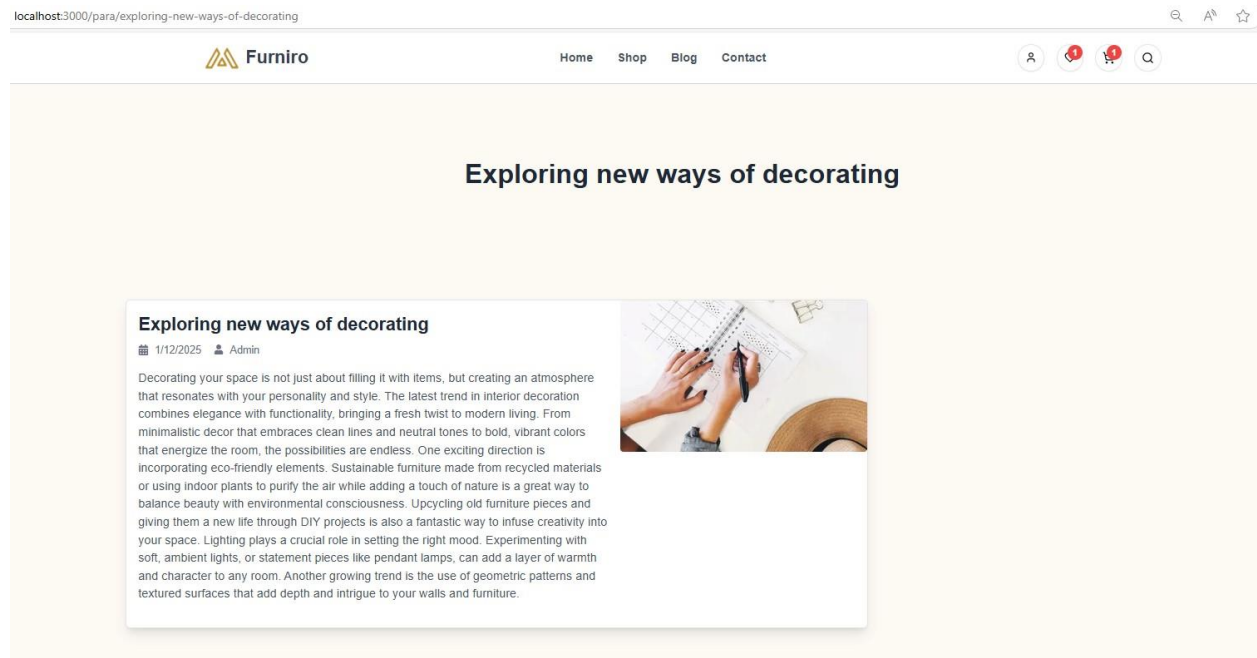### Direct Bank Transfer

Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.

○ Bank Transfer

○ Cash on Delivery

Your personal data will be used to support your experience throughout this website, to manage access to your account, and for other purposes described in our privacy policy.

Place Order

h) BLOG PAGE

Furniro

Home   Shop   Blog   Contact

Blog

Home > Blog

Exploring new ways of decorating

📅 1/12/2025   👤 Admin

Decorating your space is not just about filling it with items, but creating an atmosphere that reson...

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Going all-in with millennial design

📅 1/2/2025   👤 Admin

"Going All-In with Millennial Design" is about embracing the bold, creative, and dynamic elements th...

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> DIY Projects

Recent Posts

5 Tips for Choosing the Right Sofa
Dec 5, 2024

Top Interior Design Trends for 2024
Nov 28, 2024

How to Choose Durable Furniture
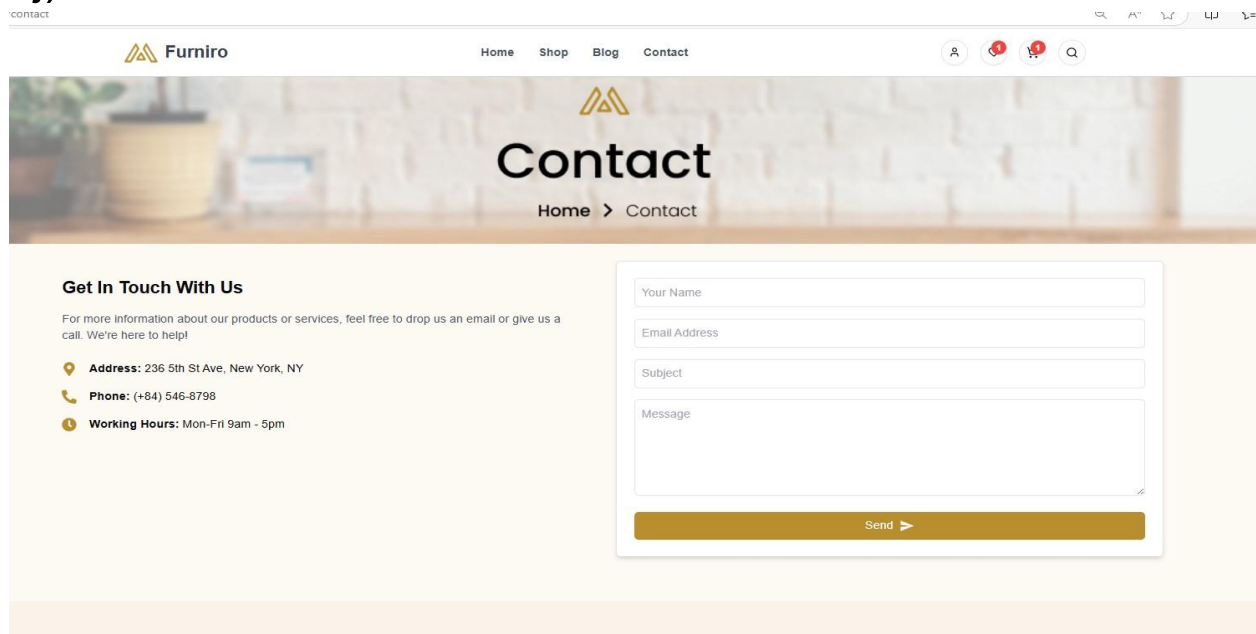Oct 15, 2024

Search

i) DYNAMIC BLOG PAGE

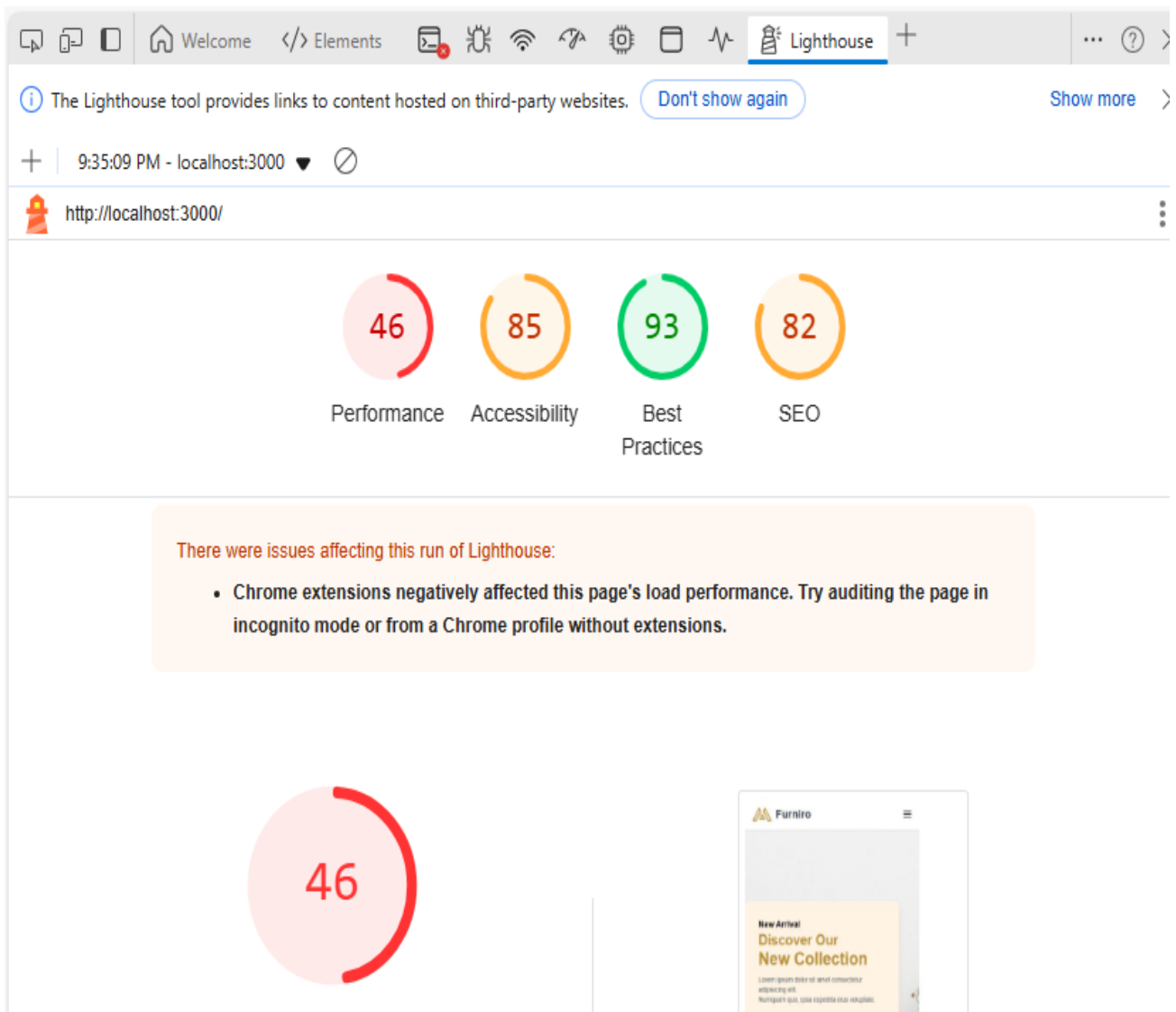# Click Any Blog Post And Navigate To Dynamic Blog Page

j) CONTACT PAGE

TESTING WEBSITES PERFORMANCE , ACCESSIBILITY AND SEO

To the performance of deployed application. I used lighthouse for testing my application and the test confirm the application performance meets performance expectations.

Testing Logs:
In addition to screenshots and recordings, the testing process will be verified through logs and reports generated from testing tools. These will include reports from **Lighthouse** (for performance and responsiveness) and **Postman** (for API testing), demonstrating the functionality and performance of the application.
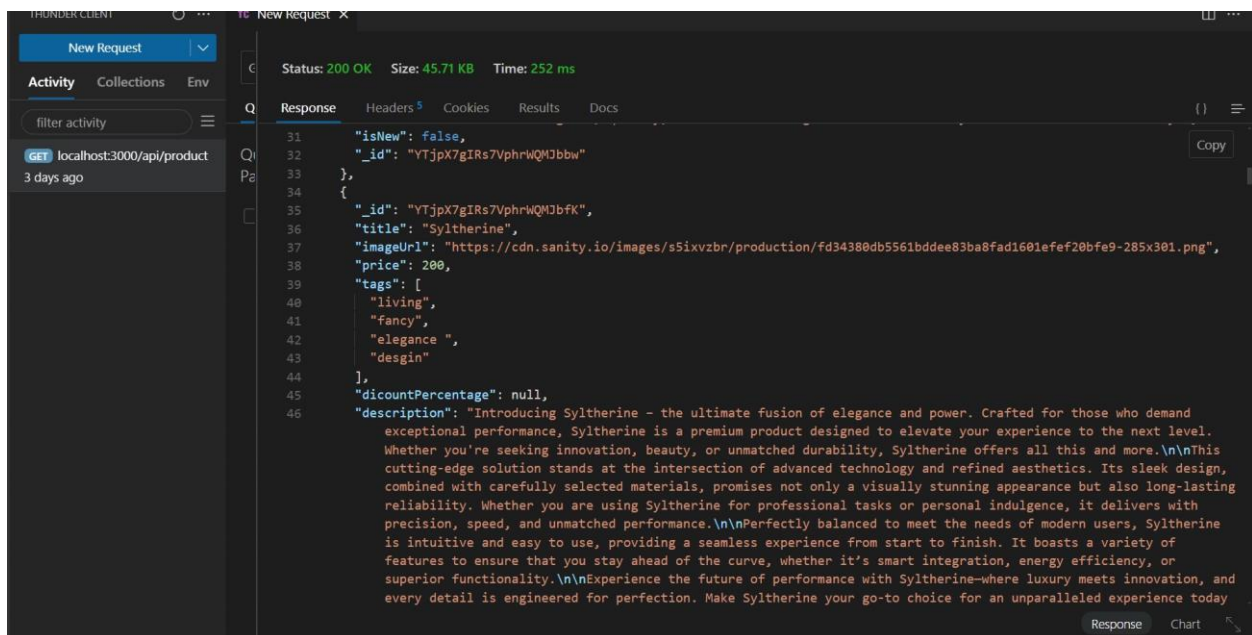
2. Testing Report (CSV Format):

Including the following columns:

oTest Case ID: A unique identifier for each test case.

o Test Case Description: A concise explanation of what is being tested.

o   Test Steps: Step-by-step procedure to execute the test case.

o   Expected Result: The anticipated outcome of the test case.

o   Actual Result: The observed outcome of the test case.

o   Status: Mark as "Passed," "Failed," or "Skipped."

o Severity Level: Categorize issues as High, Medium, or Low based on impact.

o   Assigned To: Name of the person responsible for fixing issues (if applicable). o Remarks: Additional notes or comments for clarity.

Screenshot of csv format

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
Test Case Id	Test Case Description	Test Steps	Expected Result	ACTUAL RESULT	STATUS	Severity Level	Assigned To	Remarks
TC10001	Test Product Listing Page	Navigate to Shop page.						
		Verify all products are displayed.	All Products Should Be Displayed With	Products Are Displayed with All Things Correctly	PASSED	MEDIUM	SOBAN SAUD	All Products Are Listed Correctly Without Loading Page
			Title, Images ,Description,tags and Badge					
TC10002	Test Dynamic Product Page	Click AnyOne Products On Shop Page	Page should display correct product info	Product Page And All Details Load Correctly	PASSED	LOW	SOBAN SAUD	All Products Should Dynamically Display
		Verify page renders correctly	dynamically					
TC10003	Test that a product is added to the cart correctly	Navigate to a product page.	The cart should contain the product	The product is added to the	PASSED	MEDIUM	SOBAN SAUD	Ensure the product details are correctly added.
		Click add to cart button	with correct details (name, price, quantity).	cart with correct details: name, price, and image.				
		and show the product add to cart.						
TC10004	Test that a product can be removed from the cart.	Add a product to the cart.	The cart should be updated and .	The product is removed successfully, and	PASSED	MEDIUM	SOBAN SAUD	Check If The Product Is Removed From Cart.
		Click on the "Remove" button next to the product.	the product should no longer appear.	the cart count is updated accordingly				
		Verify that the product is removed from the cart.						
TC10005	Test Wishlist Functionality	Click 'Add to Wishlist In Shop Page	Product should appear in wishlist	Product was successfully added to wishlist	PASSED	LOW	SOBAN SAUD	Product Add TO WishList Page
		Product Added To The Heart Icon In Navbar						
		Click Heart And Open WishList Page						
TC10006	Test Comparison Page Functionality	Click Add To Compare In Shop Page	Product Added In Comparison Page With	Product Was Successfully Added	PASSED	LOW	SOBAN SAUD	Product Add to Compare Page
		Product Added To Compare Page	Title, Images And Description					
		Click Any Product And Show Compare Button And						
		Click To Open Comparison Page						
TC10007	Test Pagination Work Correctly	Scroll to the bottom of the shop page	Pagination should work correctly ,	Pagination is working as expected	PASSED	LOW	SOBAN SAUD	Pagination Is Work Correctly
		Navigate between pages	displaying correct products					
TC10008	Test Price Filter Edge Cases	Set price filter to extreme values	Only products within the exact price	Price Filter Is Working Correctly	PASSED	LOW	SOBAN SAUD	Price Filter Is work Best And Show Product With Price
		Verify displayed products	range should appear					
TC10009	Test Order Summary Display	Add products to cart	Order summary should display correct	Order summary appears correctly	PASSED	HIGH	SOBAN SAUD	Order Summary Is work Correctly
		Proceed To Checkout	product details and total price					
		Verify order summary						
TC10010	Test Checkout Page Loads	Product Add To Cart And Go to Cart Page	Checkout page should load without errors	Checkout page loads correctly	PASSED	LOW	SOBAN SAUD	Checkout Page Works Correctly
		Click Proceed To Checkout						
		Navigate To Checkout Page						
TC10011	Test Responsiveness	All Pages In This Website Are Responsive	All pages are work with responsiveness	All Pages Are Responsive And Pixel Perfect	PASSED	LOW	SOBAN SAUD	
		Check All Pages Include Homepage, Shoppage,etc						

Documentation

1. **Test Cases Executed and Their Results**:
   - A comprehensive list of all test cases executed during the project lifecycle has been documented, including detailed descriptions of each test scenario. The results of each test case, such as "Pass" or "Fail," are provided. Specific areas tested include product listing, dynamic product pages, cart functionality, wishlist, and checkout processes. Each test was conducted based on predefined criteria to ensure all features performed as expected.
   - Example:
     - **Test Case**: Verify that a product is added to the cart correctly.
     - **Result**: Passed – Product was successfully added to the cart with correct details (name, price, quantity).

2. **Performance Optimization Steps Taken**:
   - **Optimized Image Loading**: Implemented lazy loading for images on product pages to improve page load times.

- **API Response Optimization**: Ensured efficient API calls by optimizing database queries and minimizing unnecessary data being transferred.

3. **Security Measures Implemented**:
   - **Data Encryption**: Ensured all sensitive data transmitted between the client and server is encrypted using HTTPS.
   - **Authentication & Authorization**: Implemented secure user authentication using token-based systems (JWT) to safeguard user data.

4. **Challenges Faced and Resolutions Applied**:
   - **Challenge**: Difficulty in achieving fast page load times due to large product images.
     - **Resolution**: Optimized images by compressing and using modern image formats like WebP. Implemented lazy loading to load images only when needed.

○ **Challenge**: Ensuring smooth cart functionality and handling concurrent product additions from multiple users.

  ■ **Resolution**: Utilized a robust state management solution, such as Redux or Context API, to manage the cart state efficiently.