

Testing and Backend Refinement - Furniro

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Functional Testing:

I have thoroughly tested all the core functionalities of the marketplace, and everything is working as intended. Specifically, the following features have been validated:

1. Product Listing: The product listing page displays all products dynamically correct with the necessary filters and sorting options. Users can view and navigate through the product listings without any issues.

The screenshot shows a product listing page for 'Category' on the 'Furniro' website. The header includes the logo, navigation links for Home, Category, Blog, and Contact, and user icons for profile, search, heart, and cart. Below the header is a banner image of a living room. The main content area has a title 'Category' with a breadcrumb 'Home > home_furniture'. It features a grid of 16 products, each with an image, name, original price, and discounted price. Some products have a 'Sale -10%' badge. At the bottom, there are navigation buttons for page 1, 2, 3, and 'Next'.

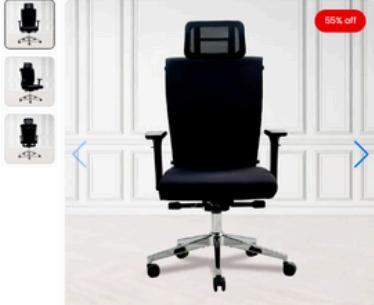
Product	Original Price	Discounted Price
Cooper Sofa Set	\$65999.00	\$23000.00
Noble Sofa Set	\$74000.00	
Sienna King Size Bed Set (Off-White Headboard)	\$218000.00	\$179850.00
Harry - King Sized Bed with 2 Sides	\$78999.00	\$50000.00
Kav Dining Table Set (6 Person)	\$51150.00	
Melody Dining Table Set (4 Person)	\$87862.00	
Sydney King Size Bed Set	\$135000.00	\$111375.00
Rocco Extendable Dining Set (6 to 8 Person)	\$116325.00	
Royal Cocoa Dining Table Set (8 Person)	\$170775.00	
Hester Sofa Set	\$64999.00	
Oliver 2.0 Bed Set	\$119000.00	\$98174.00
Prodotti L-Shaped Sofa	\$264000.00	

2. Product Detail Pages: Each product detail page is fully functional, showing detailed information, images, pricing, stock status, and additional product details. Navigation from the listing to the detail page works flawlessly.

Furniro

Home Shop Blog Contact    

Home > office > Axis Executive Chair EC034



50% off

Axis Executive Chair EC034

Rs. 34000 Re:75000

★★★★★ | 69 Reviews

Introducing the Axis Executive Chair EC034, designed for comfort and elegance. With a high backrest for optimal posture support and a sleek design, it's the perfect addition to any professional workspace.

Size :
No size available

Color :
No color available

- 1 + Add to Cart + Compare 

SKU : F746791731
Category : office
Tags : office_chair
Share :    

Description
Additional Information
Reviews [3]

The Axis Executive Chair EC034 combines ergonomic design with sleek aesthetics, offering superior comfort and support for long hours of work. Featuring adjustable height, a high backrest, and padded armrests, it's crafted with premium materials for durability. Perfect for home offices or corporate setups, this chair ensures a professional and comfortable seating experience.




Related Products



Sonic Executive Chair
\$23000.00 \$45000.00



Aura Executive Chair EC015
\$69000.00



LF-64 Executive Chair EC036
\$35000.00

Furniro.

400 University Drive Suite 200 Coral Gables, FL 33134 USA

Links

- [Home](#)
- [Shop](#)
- [About](#)
- [Contact](#)

Help

- [Payment Options](#)
- [Returns](#)
- [Privacy Policies](#)

Newsletter

Enter Your Email Address **SUBSCRIBE**

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3. Cart Operations: The shopping cart functionality is working as expected. Users can add products to the cart, modify quantities, and remove items. The cart updates in real-time and reflects the correct total price.

The screenshot shows a shopping cart interface. On the left, there's a blurred background image of a dining room. In the center, a product card for a "Kav Dining Table Set (6 Person)" is displayed. The card includes a small image, the product name, price (\$51150), quantity (3), and a subtotal of \$153450. To the right of the card is a "Cart Totals" summary table with columns for Subtotal (\$153450), Shipping (Free), and Total (\$153450). A "Check Out" button is at the bottom. On the far right, a "Shopping Cart" summary table shows the same item and quantity. Below these tables, a detailed product page for the Kav Dining Table Set is visible, featuring a large image, a price of \$51150, a 5-star rating, 50 reviews, and a detailed description. At the bottom of the screen, a navigation bar includes links for Cart, Checkout, and Comparison, along with system status indicators like weather (21°C), time (2:31 PM), and date (1/20/2025).

4. User Profile Management: The user profile management system is functioning properly, allowing users to view and edit their profile details, track orders, and manage payment methods without any errors. and all user's data is save in mangodb.

The screenshot shows a user profile page for a user named Hamdan. At the top, a banner displays a welcome message: "Welcome, Hamdan". Below the banner, a "Your Profile" section allows the user to manage account information and settings. It shows the username "Hamdan" and the email "hamdanKhanzada90@gmail.com", which is highlighted with a red oval. A "View Full Profile" link and a "Logout" button are also present. The URL in the browser address bar is "localhost:3000/account/profile/67880b0f755133ef61e1be22".

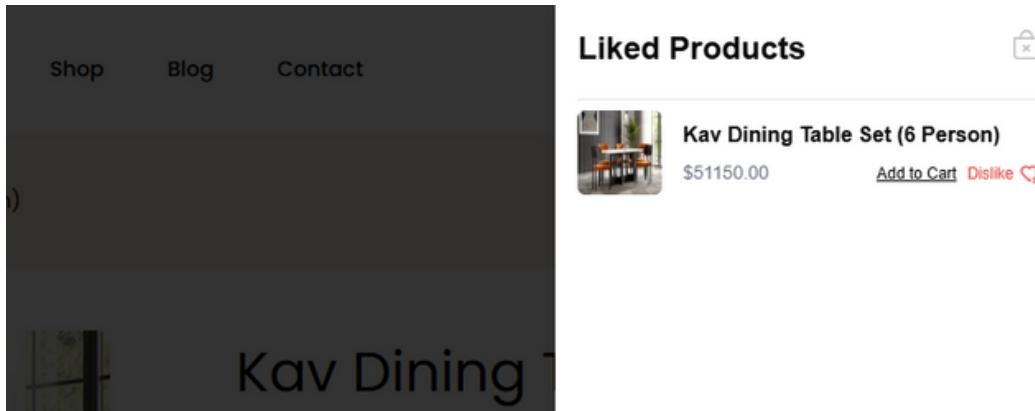
5.Signup and Login: The signup and login functionality is fully functional. Users can register, log in, and securely authenticate using their credentials. Data is properly stored in MongoDB.

The image shows two screenshots of the Furniro website. On the left is the 'Log in' page, featuring a header with the Furniro logo and a search bar. Below the header is a large image of a room with a sofa and plants. The main section has fields for 'Email Address' and 'Password', both with placeholder text 'Enter your email' and 'Enter your password'. There is a 'Forgot password?' link and a 'Log in' button. At the bottom, it says 'Don't have an account? [Create Account](#)'. On the right is the 'Sign Up' page, also with a Furniro header and a similar room image. It has fields for 'Username' (placeholder 'Enter Username'), 'Email Address' (placeholder 'Enter your email'), 'Password' (placeholder 'Enter your password'), 'Confirm Password' (placeholder 'Confirm your password'), and a 'Sign up' button. At the bottom, it says 'Already have an account? [Log in](#)'.

6.Search Bar: The search functionality is working perfectly. Users can search for products using various keywords, and the results are returned accurately.

The image shows two screenshots of the Furniro mobile application. The left screenshot displays a search interface with a search bar containing the placeholder 'What are you looking for?'. Below the search bar are sections for 'Popular categories' (Sofa, Bed, Bookshelves, Office Chair, Dining Table) and 'Popular tags' (New Arrival, Best Seller, Featured, Special Offer). The right screenshot shows the search results for the query 'ch'. The results list includes: 'Cooper Sofa Set' (Rs.23000.00), 'Camelot Meeting Table (10-Person)' (Rs.286000.00), 'Royal Cocoa Dining Table Set (8 Person)' (Rs.170775.00), 'Axis Executive Chair EC034' (Rs.34000.00), 'Sonic Executive Chair' (Rs.23000.00), 'Aura Executive Chair EC015' (Rs.69000.00), and 'LF-64 Executive Chair EC036' (Rs.35000.00). The bottom of both screenshots shows a navigation bar with icons for home, categories, search, cart, and profile, along with system status information like battery level, signal strength, and date/time (2:25 PM, 1/20/2025).

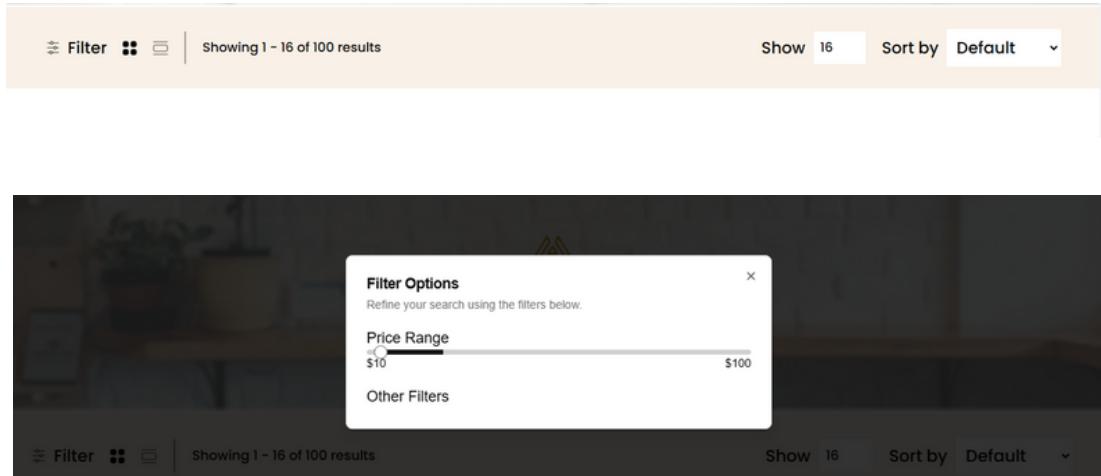
7.Wishlist: Users can add products to their wishlist, view their wishlist items, and remove products from the wishlist as expected.



8.Blogs and Blog Categories: The blog section is fully functional, with users able to read blogs and navigate through different blog categories. The blog content is displayed correctly.

The image contains two side-by-side screenshots of a blog section. Both screenshots show a header with the 'Furniro' logo, navigation links ('Home', 'Shop', 'Blog', 'Contact'), and a search bar. The left screenshot shows a post titled 'How to Create an Effective Color Palette for Your Design Projects'. It features a thumbnail of hands working with paint palettes, a brief description, author information ('Admin'), and a timestamp ('1/17/2025'). Below the post is another post thumbnail for 'Going all-in with millennial design'. The right screenshot shows a similar layout with a post titled 'How to Create an Effective Color Palette for Your Design Projects'. This post also has a thumbnail of hands working with paint palettes, a brief description, author information ('Admin'), and a timestamp ('1/17/2025'). Both screenshots also display a sidebar with 'Categories' (including 'design', 'wood', 'crafts', 'interior', 'handmade') and 'Recent Posts'.

9.Filtering and Sorting: The filtering and sorting options are working seamlessly, allowing users to filter products by different attributes (e.g., price, size, color) and sort them based on preferences (e.g., price low to high, newest first).



10.Checkout: The checkout process is fully functional. Users can review their cart, enter shipping information, select payment methods, and complete the purchase without issues.

Billing details

First Name	Last Name	Product	Subtotal
<input type="text"/>	<input type="text"/>	Kav Dining Table Set (6 Person) Qty: 3	\$51150.00
Company Name (Optional)		Subtotal	\$153450.00
		Shipping	\$10.00
Country/Region		Total	\$153460.00
<input type="text" value="Pakistan"/>		<input type="radio"/> Direct Bank Transfer	
<input type="text" value="Street Address*"/>		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.	
<input type="text" value="Town/City*"/>		<input type="text" value="Please make payment before 12:00 PM"/>	

Responsiveness:

it is to ensure you that my UI is 100% responsive to all devices including landscape and portable screens

No vertical scrollbar found during testing

Furthermore, i have used tailwind utilities and break points to make it responsive

The screenshot displays the Furniro website's homepage and product pages, demonstrating its responsive design across different screen sizes.

Header: The top navigation bar includes links for Home, Category, Blog, Contact, and a search bar. The logo "Furniro" is on the left.

Hero Section: Features a large image of a living room with a sofa and a potted plant. A central callout box says "Discover Our New Collection" with a "BUY NOW" button. Below it, a text snippet reads: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut elit tellus, luctus nec ullamcorper mattis." A "Explore More" button is also present.

Rooms Inspiration: A section titled "50+ Beautiful rooms inspiration" shows a grid of room images. One image is labeled "01 - Bed Room Inner Peace".

Latest Products: A grid of four products: Sienna King Size Bed Set, Sydney King Size Bed Set, Nautical 4 Seater Aluminum Garden Set, and Deluxe Outdoor Furniture. Each item has a price and a "Save 10%" badge.

Browse The Range: A section titled "Browse The Range" with categories Dining, Living, and Bedroom, each with a representative image.

Our Products: A grid of eight products: Cooper Sofa Set, Patio Swing Outdoor Hanging Hammock, Noble Sofa Set, Sienna King Size Bed Set, Harry - King Sized Bed with 2 Sides, Balcony Garden Living Room Silla Colgante, Aluminium Outdoor Table With 4 Chairs Set, and Kov Dining Table Set (6 Person).

Footer: The footer contains the "Funiro." logo, address (400 University Drive Suite 200 Coral Gables, FL 33134 USA), and links for Units (Home, Shop, About, Connect), Help (Payment Options, Returns, Privacy Policies), and Newsletter (Enter Your Email Address, SUBSCRIBE).

Error Handling:

To handle errors effectively, I would use try-catch blocks to manage network failures and unexpected server errors. I would validate API responses to check for missing or invalid data and ensure fallback UI is shown to users with meaningful messages, such as 'No products available' when the data is empty. Here's an example implementation..

1.Network Failures:

I've used a try-catch block to handle any potential network errors, such as no internet connectivity or a timeout. If the fetch request fails, the catch block sets an appropriate error message

ex: `setError("Failed to fetch product details.");`

2.Invalid or Missing Data:

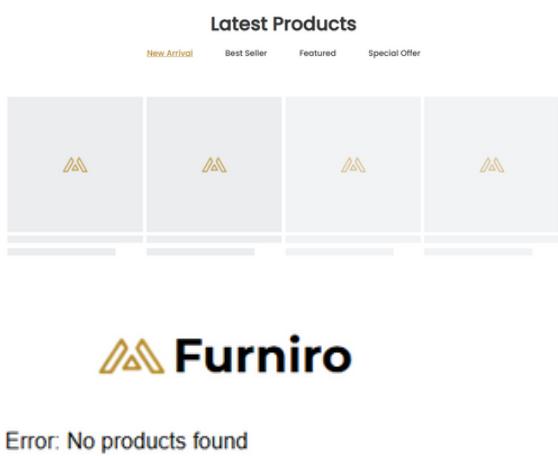
After receiving the response, I check its status using `response.ok`. If the response indicates an error (e.g., 404 or 400), I extract the error message from the API response or default to a meaningful fallback:

ex: `setError(data.error || "Product not found");`

Fallback UI:

While the data is being fetched, a loading state (`setLoading`) is managed to display a spinner or loading indicator. If an error occurs, a fallback UI is shown with a message to inform the user.

ex:



```
1  useEffect(() => {
2    const fetchProducts = async () => {
3      setLoading(true);
4      try {
5        const response = await fetch('/api/products/easternwear');
6        const data = await response.json();
7        setProducts(data.products);
8      } catch (error) {
9        console.error("Failed to fetch products:", error);
10     } finally {
11       setLoading(false);
12     }
13   };
14   fetchProducts();
15 }, []);
```

Error: No products found

Api response test:

All API responses were tested thoroughly using Thunder Client. The tests covered various scenarios, and all APIs returned a successful response with a status of 200 OK. Below are some examples of the tested

The screenshot shows the Thunder Client interface with a successful API response. The request URL is `http://localhost:3000/api/blog`. The response status is **200 OK**, size is **45.12 KB**, and time is **24.30 s**. The response body contains JSON data for a blog post, including its title, slug, content, and children.

```
1 {
2   "blogs": [
3     {
4       "title": "How to Create an Effective Color Palette for Your Design Projects",
5       "slug": {
6         "current": "how-to-create-an-effective-color-palette-for-your-design-projects-58214",
7         "type": "slug"
8       },
9       "content": [
10         {
11           "_type": "block",
12           "style": "normal",
13           "key": "219a997142ec",
14           "markDefs": [],
15           "children": [
16             {
17               "_type": "span",
18               "marks": [],
19               "text": "In design, color is more than a decorative feature—it's a powerful tool that influences emotions, actions, and perceptions. The right color palette can convey your message more clearly, set the tone for your brand, and guide user behavior. As renowned color expert Leatrice Eiseman stated, \"Color can do so much.\""
20             }
21         ]
22       }
23     }
24   ]
25 }
```

The screenshot shows the Thunder Client interface with a successful API response for a product. The request URL is `http://localhost:3000/api/ourproducts`. The response status is **200 OK**, size is **137.69 KB**, and time is **3.07 s**. The response body contains JSON data for a product, including its SKU, overview, images, and URL.

```
1 {
2   "products": [
3     {
4       "sku": "F2S195140B",
5       "overview": "The Cooper Sofa Set combines modern aesthetics with unmatched comfort. Featuring soft upholstery, sleek design, and durable materials, it's perfect for any living room or lounge space. Available in multiple sizes to accommodate different spaces, the Cooper Sofa Set promises style and comfort for years to come.",
6       "images": [
7         {
8           "asset": {
9             "_id": "Image-abf4ad6a883d36d5b1de5b96630b6d451ef0cfb-580x441-webp",
10            "url": "https://cdn.sanity.io/images/92dbc1xa/production/abf4ad6a883d36d5b1de5b96630b6d451ef0cfb-580x441.webp"
11          },
12          "alt": null
13        }
14      ]
15    }
16  ]
17 }
```

Test Case Report

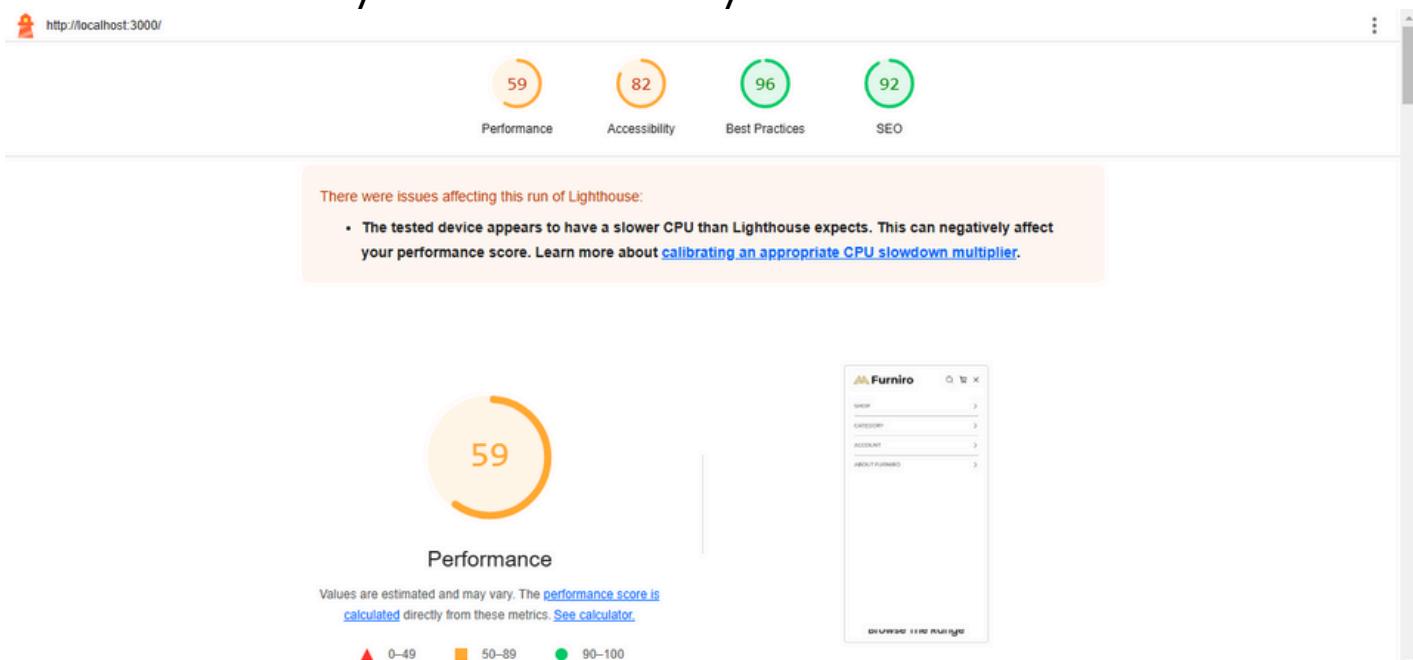
	A	B	C	D	E	F	G	H	I
1	Test Cases ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned to	Remarks
2	TC001	Validate Product listing page	Open Product page> verify	Product displayed correctly	Product displayed correctly	Passed	High	-	No issues found
3	TC002	Test Api Error handling	Disconnect api> refresh page	Show fallback UI with error message	Show fallback UI with error message	Passed	High	-	Handle successfully
4	TC003	Check Cart functionality	Add product to cart > verify	Card updates with products	same as expected	Passed	High	-	works as expected
5	TC004	Ensure responsiveness on mobile	Resize browser window > Verify	100% responsive and adoptable	100% same as expected	Passed	High	-	Successful
6	TC005	Authentication	signup > create account > login	100% user can login signup, verifyemail	same as expected	Passed	High	-	Successful
7	TC006	Search products	search > result	show products on keywords and tags	products showing accordingly	Passed	Medium	-	works perfectly
8									
9									
10									
11									
12									
13									

- **Product Listing Page (TC001):** All products were displayed correctly with no visible issues.
- **API Error Handling (TC002):** Successfully handled API disconnection by displaying a fallback UI and error message.
- **Cart Functionality (TC003):** Cart updated accurately with selected products, confirming functionality is intact.
- **Responsiveness (TC004):** The application is 100% responsive and adaptable to different screen sizes.
- **Authentication (TC005):** User authentication, including signup, email verification, and login, worked as expected.
- **Search Products (TC006):** The search functionality correctly displayed relevant products based on keywords and tags.

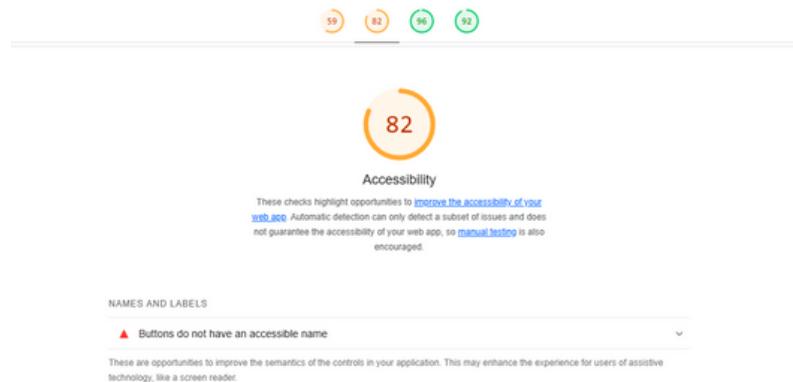
Performance Optimization:

Analyze Performance

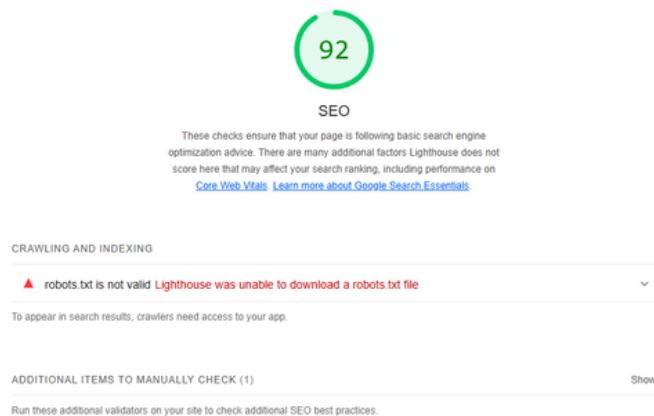
- Tool Used: Lighthouse analysis was conducted to identify performance metrics and potential areas for improvement.
- **Results:**
 - **Performance:** 59 – Indicates room for significant improvement, particularly in areas like reducing unused CSS and optimizing JavaScript bundles.
 - **Accessibility:** 82 – The website is reasonably accessible, but minor adjustments can enhance the user experience further.
 - **Best Practices:** 96 – Strong adherence to web development best practices with minimal issues.
 - **SEO:** 92 – Excellent SEO practices, ensuring good visibility and searchability.



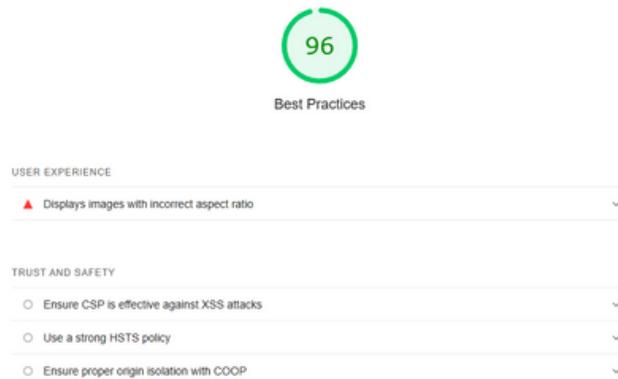
Accessibility:



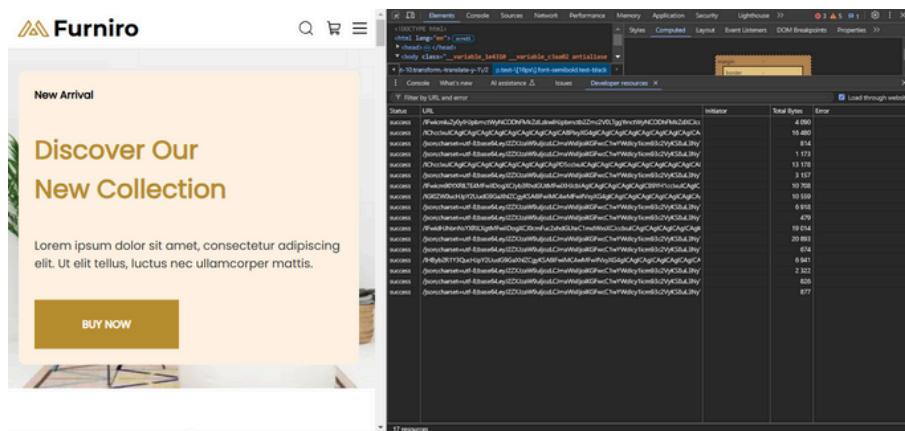
SEO:



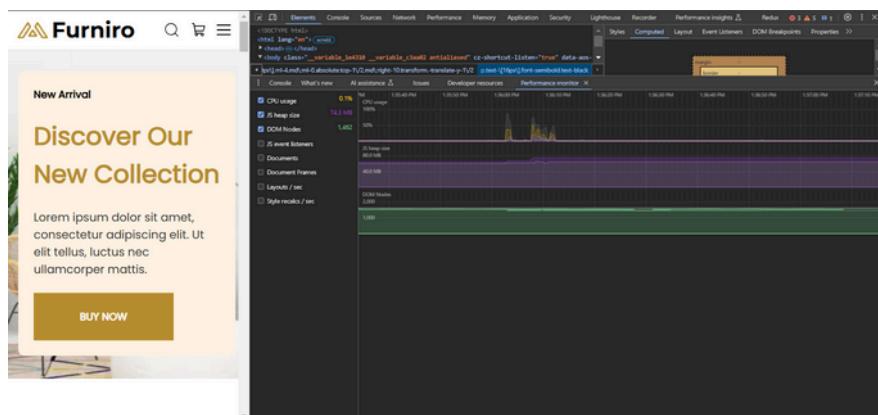
Best Practices:



Developer Resources:



Performance Monitor::



Issues:

