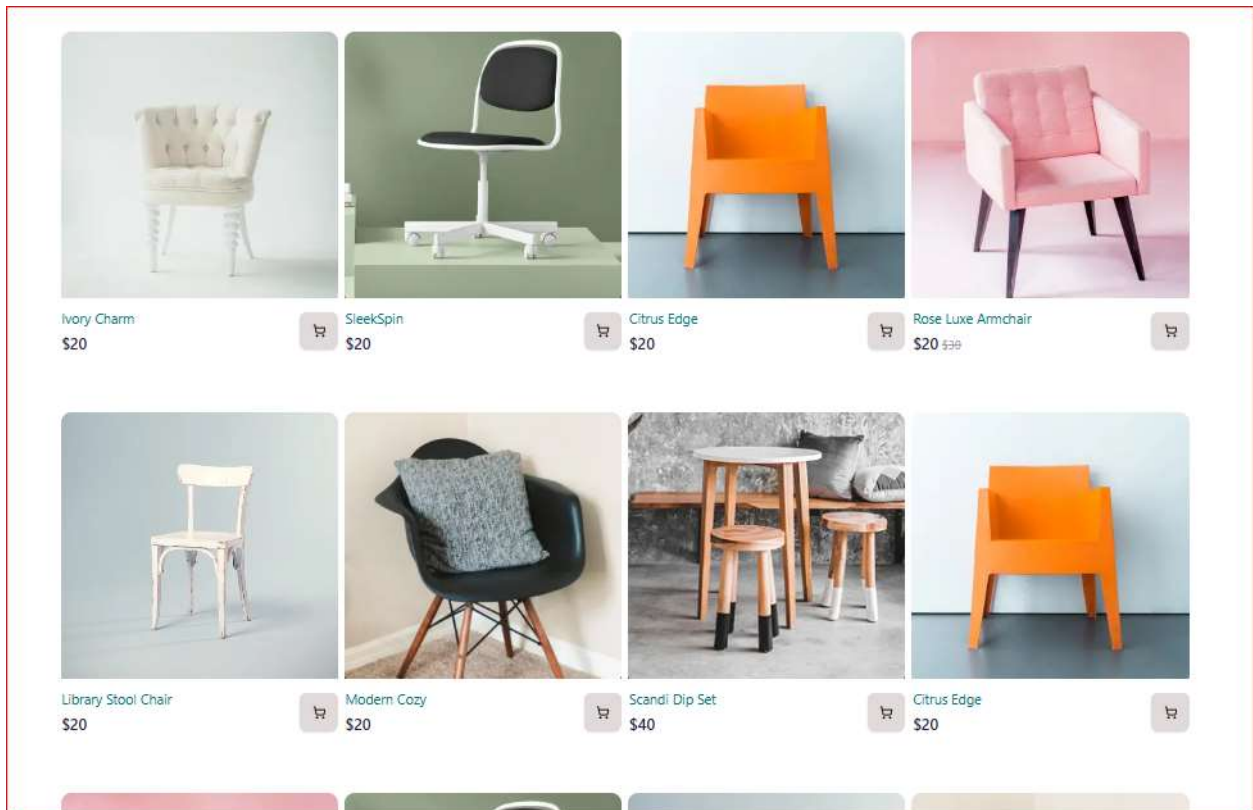


Hackathon Day 5 E-Commerce Chairs Website

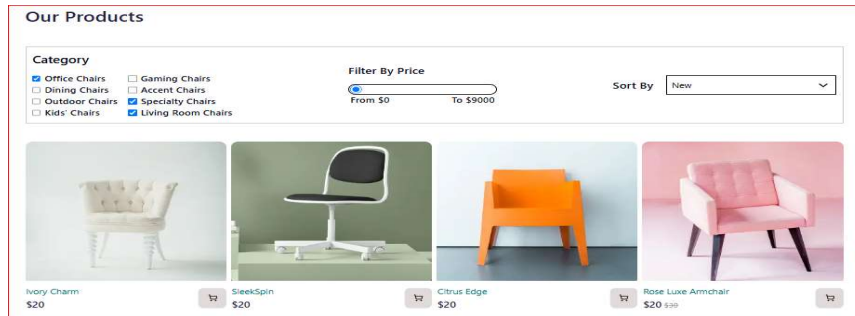
Product Listing Page

The product listing component is functioning perfectly. When the user navigates to the product page, all products are successfully displayed. These products are stored in Sanity and are fetched seamlessly to render on the page. The integration between Sanity and the front end ensures smooth data retrieval and presentation, enhancing the user experience.



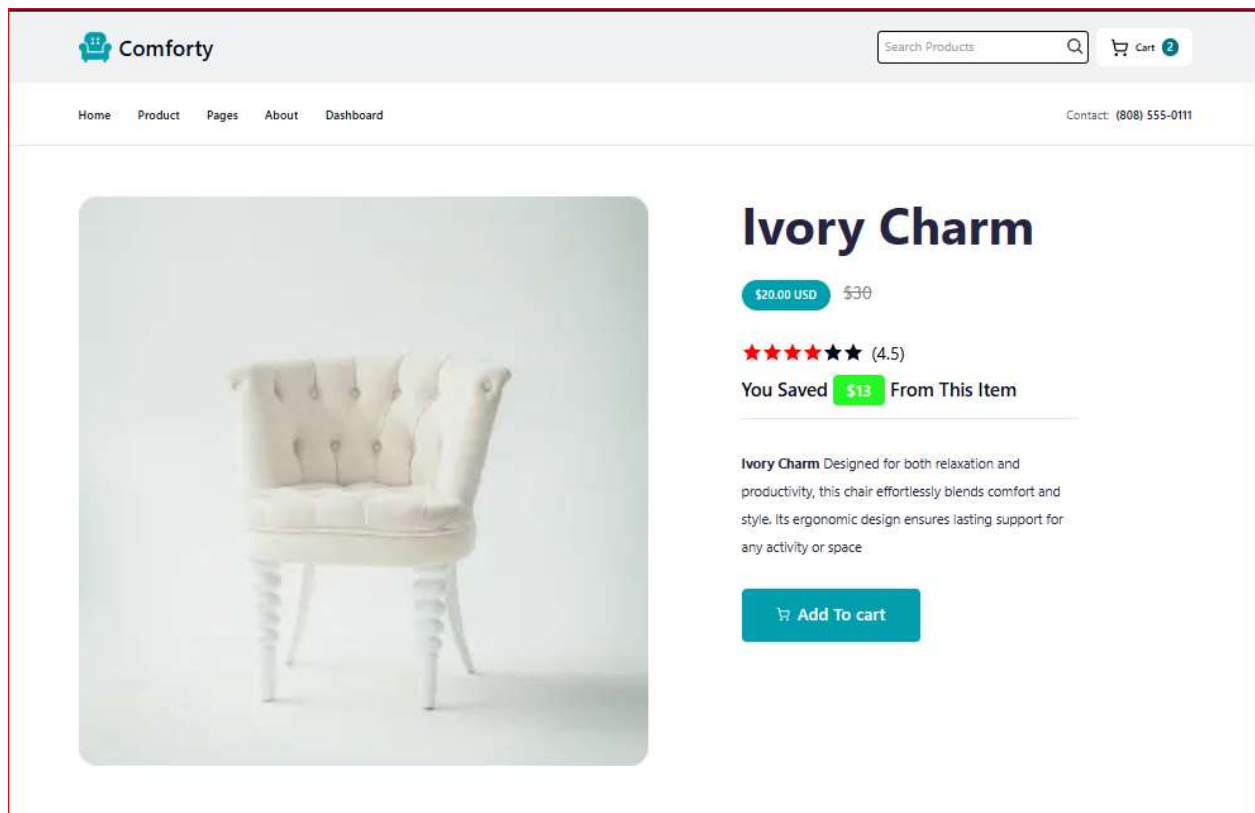
Category, Filter, and Sort Page

This component dynamically fetches and displays data based on selected categories, price range, and sorting options. It retrieves relevant data from the backend, applies filters and sorting logic, and updates the display in real-time for a seamless experience.



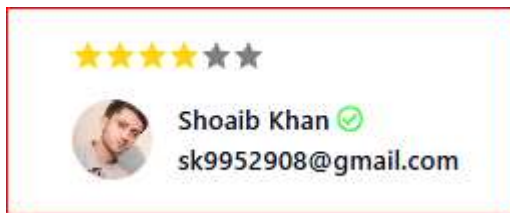
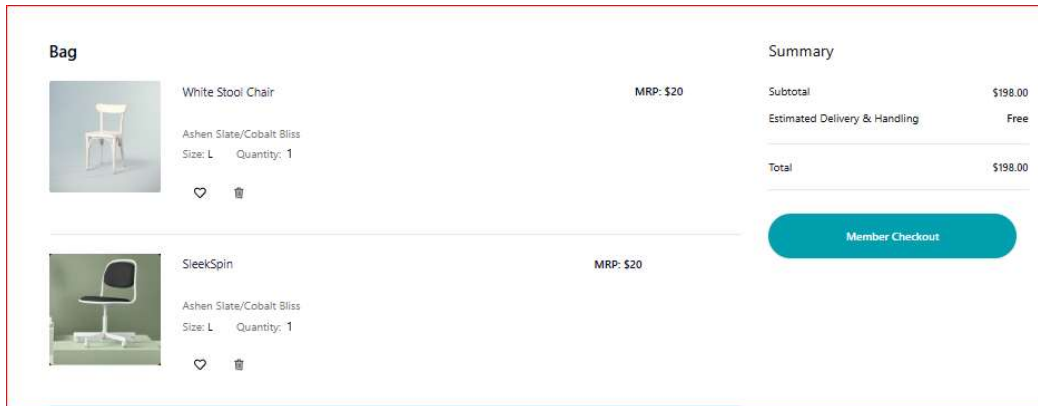
Dynamic Product Page

Clicking on any product dynamically loads its details on the detail page. This functionality is applied to all product cards across the website and works successfully by fetching and displaying specific product data in real-time.



Add to Cart & User Profile Management

The "Add to Cart" functionality successfully works by transferring product details from the details page to the cart page when a user clicks the button. Users can efficiently add or delete products from their cart. Additionally, the user profile is managed effectively, ensuring a clean and organized experience for viewing and updating profile information.



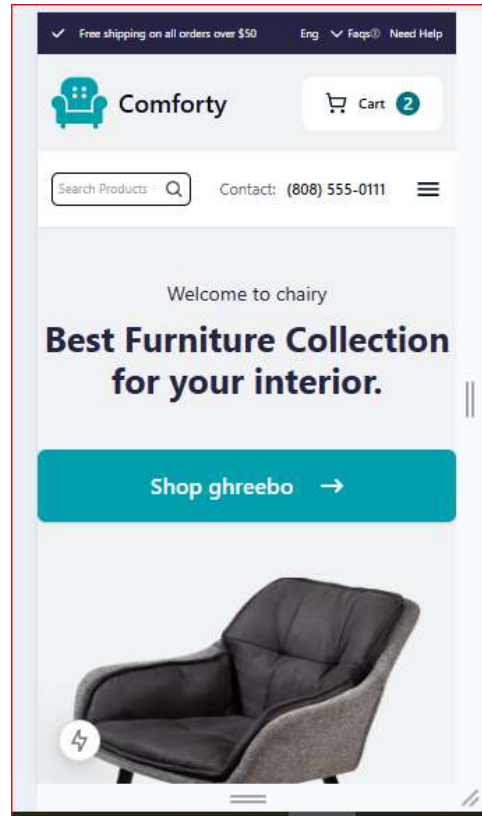
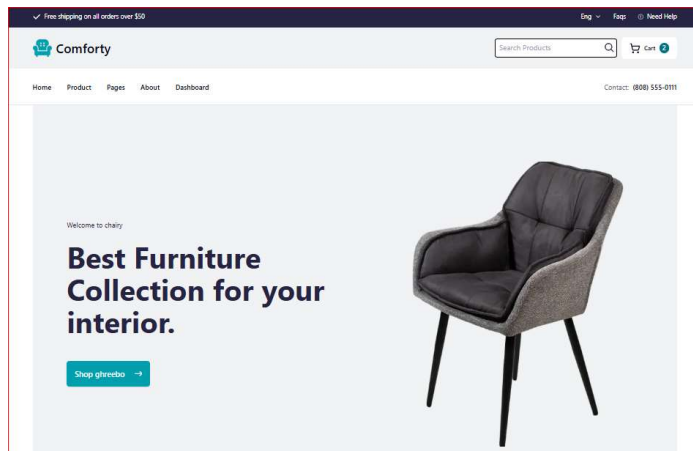
Errors Handling

When fetching data from the API, we have used a try-catch block to handle errors. This ensures that if the data is successfully fetched, it indicates a successful fetch, while if an error occurs during the fetch process, it will catch the error and notify that the fetch has failed.

```
1  async function UploadImageToSanity(imageUrl: string){ // image ka url yahn aya.
2    try{
3
4      const res = await fetch(imageUrl); // phir hamne us url se image ko fetch krwaya.
5      if (!res.ok) throw new Error('Failed to fetch image, ${res.statusText}') // response okay na ho to ye error aega.
6      const blob = await res.blob() // image ko blob mein convert krwaya.
7
8      const asset = await client.assets.upload('image', blob); // sanity par image bhejne ke bad return mein result aega image ka.
9      // console.log("🔥", asset); // checked image return data => 'image-b03c0230ab8a5afd5e6208be8560e4ded88aea05-679x513-jpg'
10
11     return asset; // phir us image ke normal string ke result ko hamne return krwa diya function ko.
12
13
14   } catch (error){ // image fetch na ho to ye error aye.
15     console.error("Image upload Failed", error);
16     throw error;
17   }
18 }
```

Responsive for All Browsers

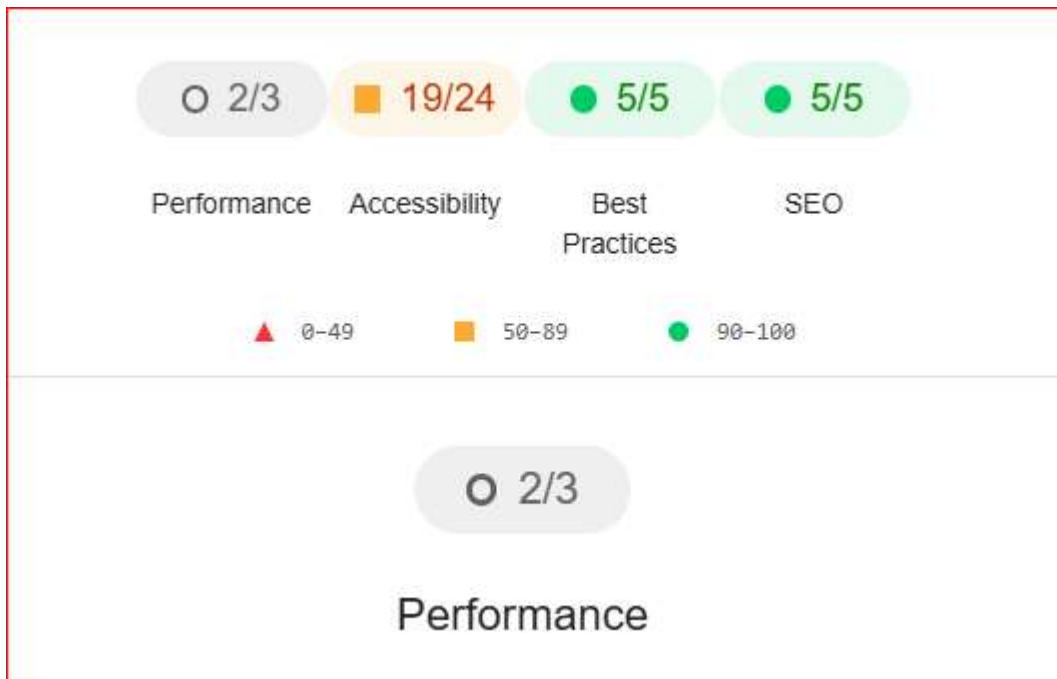
The website is successfully responsive across all browsers, including Chrome, Safari, Edge, and Firefox, as well as on both mobile and desktop devices. It provides a user-friendly experience with smooth navigation and proper display on all screen sizes.



The website's performance, according to Lighthouse, is as follows:

- **Performance: 2/3**
- **Accessibility: 19/24**
- **Best Practices: 5/5**
- **SEO: 5/5**

These scores indicate that the website performs well in terms of best practices and SEO, with a solid accessibility score. However, there may be areas in performance and accessibility that could be further optimized for improvement.



Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Remarks
TC001	Check Product Listing	Open Product Page > Verify Products	Products display correctly	Products display correctly	Passed	heigh	No issue found
TC002	Test Dynamic Page	Click on product cards	Correct route navigated on click	Product successfully navigated	Passed	Medium	No issue found
TC003	Test Add to Cart Functionality	Some products click and add to bag	Selected products should show on the cart	Products successfully shown	Passed	Minor	No issue found
TC004	Test API Fetch Data	Get API link and fetch data	All data from the API URL should appear	All data fetched successfully	Passed	Low	No issue found
TC005	Test Responsive Multiple Browsers	Move on any browser	Should be mobile responsive or browser compatibility correct	Responsive on all browsers	Passed	High	No issue found