

Day 4 - Dynamic Frontend Components – Furniva

By Wania Azam

Summary:

This report explains the work done on Hackathon Day 4. The goal was to create reusable and user-friendly frontend components for a marketplace. These components are designed to work well on any device, look great, and be easy to use. Everything was built to be flexible and ready for real-world use.

Objectives:

- **Main Goal:** Build frontend components that can be used in many places.
- **Key Deliverables:**
 - Functional and responsive designs.
 - Components that are easy to reuse and update.
 - Real-time features for a better user experience.

Components Built:

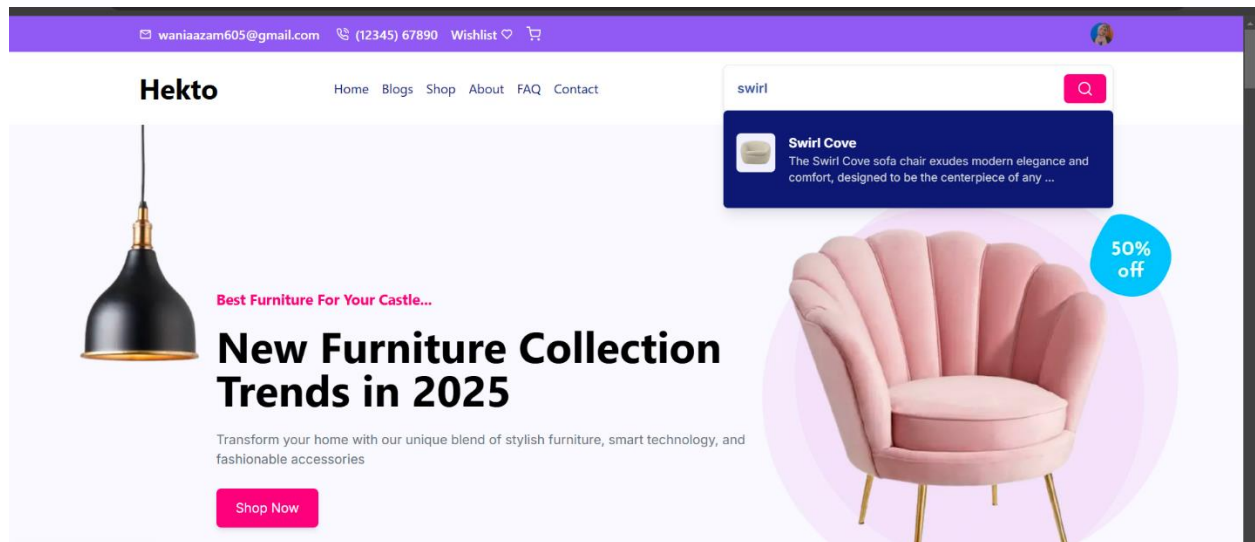
1. Header and Navigation Bar

Purpose: This is the top part of the site that helps users find what they need.

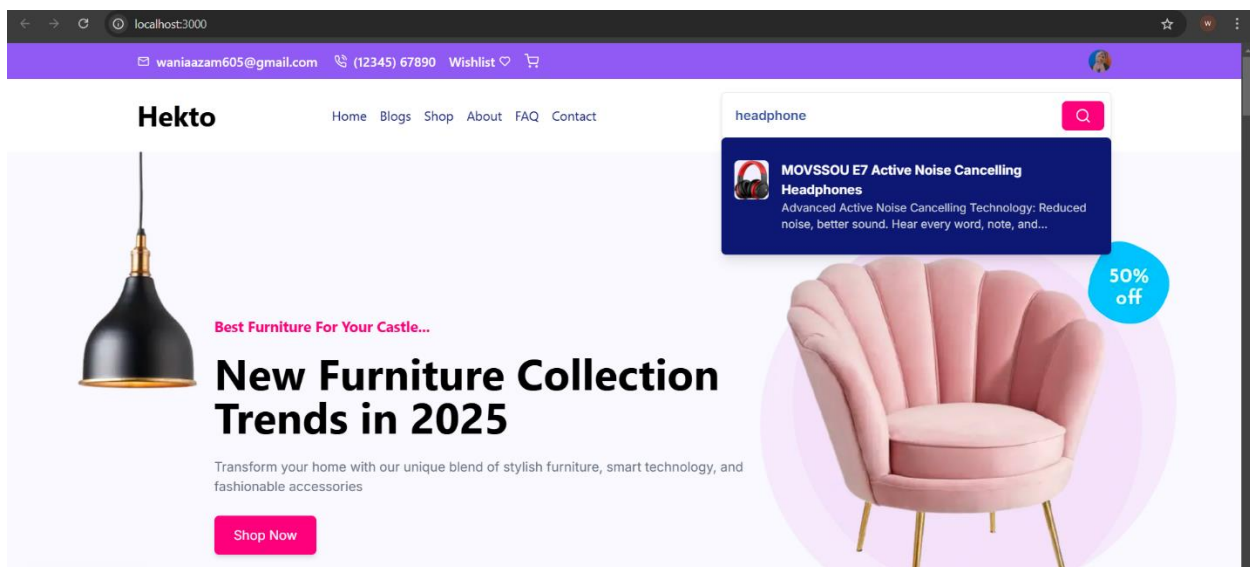
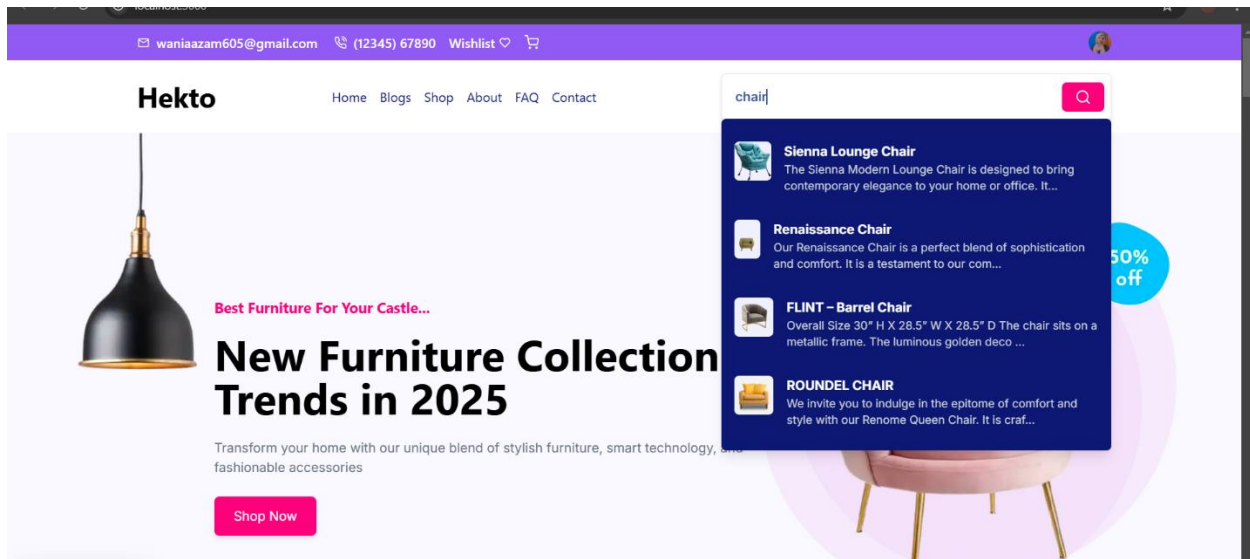
- **Features:**
 - **Store Logo and Name:** Easily changeable for any brand.

- **Search Bar**

- **Search Bar:** Quickly find products by typing in names or categories.



- user friendly Search Bar



- **Links to Important Pages:** Blog, Categories, FAQs, Contact Us.
- **Breadcrumbs:** Show where you are on the site.

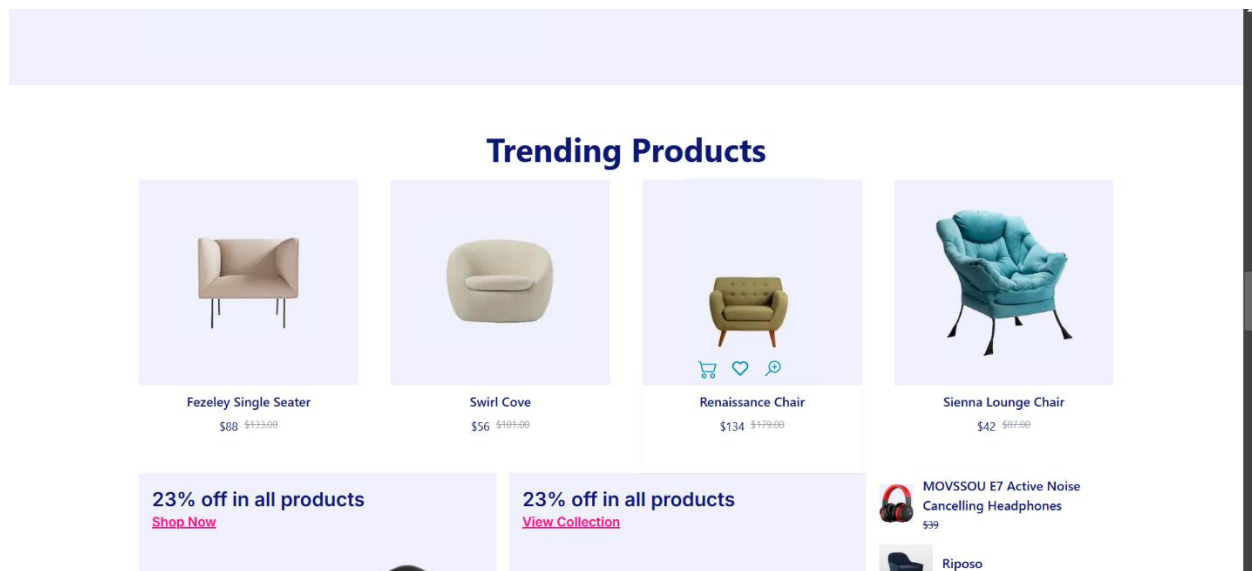
2. Product Card

Purpose: Display each product in a clean and simple way.

- **Details Shown:**
 - Product Name
 - Price
 - Image
 - Ratings and Stock Availability
- **Reusability:**
 - Works for trending, featured, or latest products.
 - Looks good on both mobile and desktop

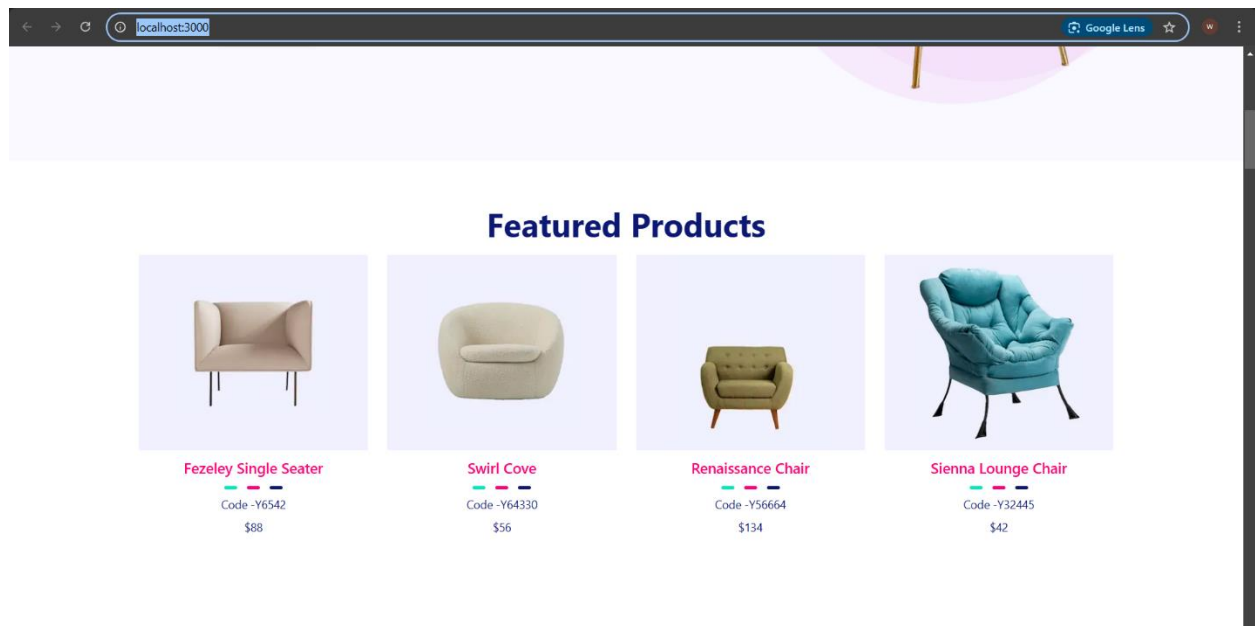
Trending Products:

- Trending Product Of our Website.



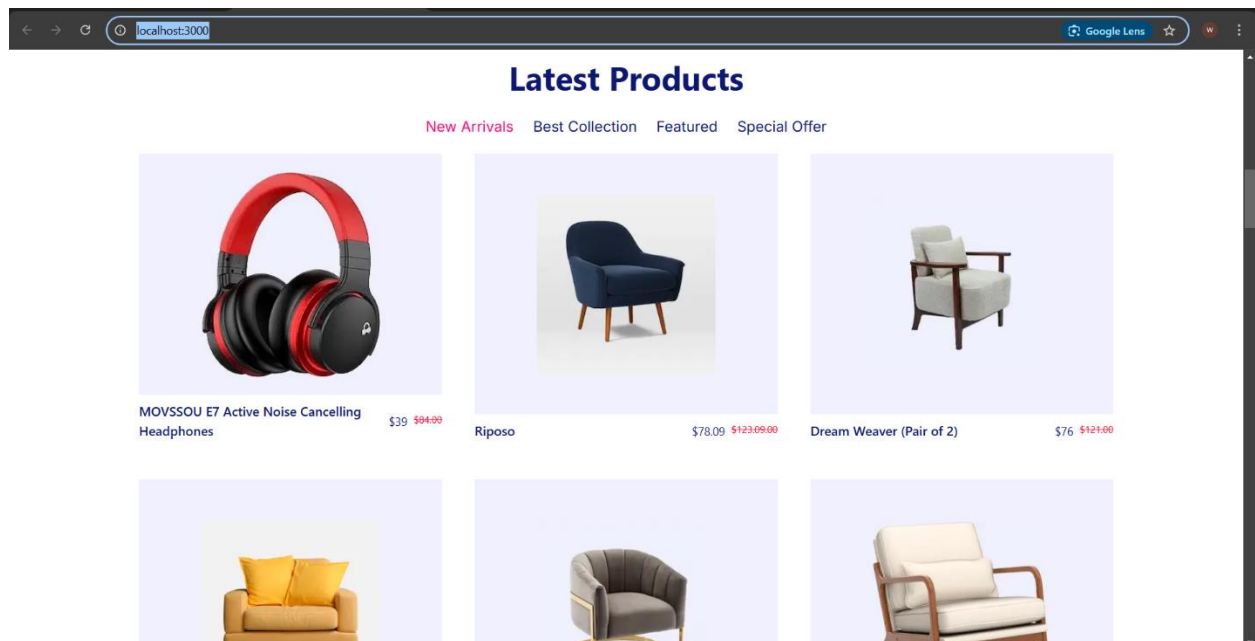
Featured Products:

- Featured Product Of our Website.



Latest Products:

- latest Product Of our Website.




3. Product Details Page




Purpose: Give full details about a selected product.

- **Features:**


- **Image Gallery:** View multiple product photos.

Hekto[Home](#)[Blogs](#)[Shop](#)[About](#)[FAQ](#)[Contact](#)

Search for products... 



12% OFF




Swirl Cove

This item is in stock and ready to ship.

★★★★★ (22)

\$56 ~~\$68~~

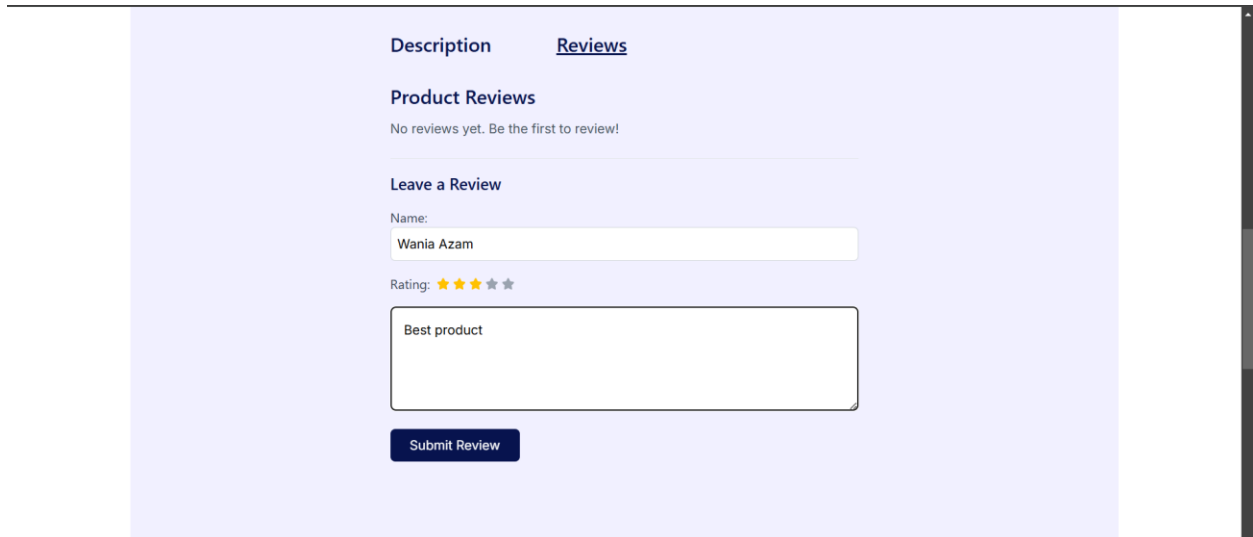
 1-2 Days Shipping

The Swirl Cove sofa chair exudes modern elegance and comfort, designed to be the centerpiece of any living space. Its signature design features gently curved edges that mimic swirling waves, enveloping the user in a cozy embrace. The chair is upholstered in premium fabric or leather, available in a variety of soothing, earthy tones or bold, vibrant colors to match diverse interior styles. Its generously padded cushions and ergonomic backrest provide unparalleled comfort, perfect for lounging, reading, or simply relaxing. The base may include swivel functionality, allowing 360-degree rotation for added convenience and versatility. Subtle stitching details or tufted accents elevate the chair's aesthetic, making it a luxurious addition to any room. Whether placed in a living room, study, or reading nook, the Swirl Cove sofa chair is designed to create a sophisticated and inviting atmosphere.

- | Description | Reviews |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <h3 data-bbox="571 415 706 434">Product Details</h3> <p data-bbox="571 449 1027 697">The Swirl Cove sofa chair exudes modern elegance and comfort, designed to be the centerpiece of any living space. Its signature design features gently curved edges that mimic swirling waves, enveloping the user in a cozy embrace. The chair is upholstered in premium fabric or leather, available in a variety of soothing, earthy tones or bold, vibrant colors to match diverse interior styles. Its generously padded cushions and ergonomic backrest provide unparalleled comfort, perfect for lounging, reading, or simply relaxing. The base may include swivel functionality, allowing 360-degree rotation for added convenience and versatility. Subtle stitching details or tufted accents elevate the chair's aesthetic, making it a luxurious addition to any room. Whether placed in a living room, study, or reading nook, the Swirl Cove sofa chair is designed to create a sophisticated and inviting atmosphere.</p> <h3 data-bbox="571 745 683 764">More Details</h3> <ul data-bbox="574 779 1034 913" style="list-style-type: none"><li data-bbox="574 779 1034 829">• Elegant Design: The Swirl Cove features a unique swirling pattern that adds an artistic touch to any room. Its sleek and modern design effortlessly blends into both contemporary and traditional interiors.<li data-bbox="574 842 1034 913">• High-Quality Material: Made with durable, premium materials, the Swirl Cove is built to last while maintaining its aesthetic appeal. The smooth finish and attention to detail ensure a long-lasting, stylish addition to your space. | |

- The 'Related Products' section features a grid of four items. Each item is presented with a product image, a title, a price, a crossed-out original price, and a star rating. The items are: 1. MOVSSOU E7 Active Noise Cancelling Headphones (red and black, \$39, 5 stars). 2. Riposo armchair (dark blue, \$78.09, 5 stars, original price \$66.09). 3. Dream Weaver (Pair of 2) armchairs (light green and wood, \$76, 5 stars, original price \$64). 4. FLINT - Barrel Chair (grey and gold, \$67, 5 stars, original price \$55).

- **Tags**:tags of the products.
- **Category**:category of the product.
- **Rating**:rating of the product.
- **Reviews**:reviews from the customers.



The screenshot shows a web interface for product reviews. At the top, there are two tabs: 'Description' and 'Reviews', with 'Reviews' being the active tab. Below the tabs, the heading 'Product Reviews' is displayed, followed by the text 'No reviews yet. Be the first to review!'. A section titled 'Leave a Review' contains a 'Name:' label and a text input field with the value 'Wania Azam'. Below this is a 'Rating:' label with five star icons, the first three of which are filled. A large text area for the review content contains the text 'Best product'. At the bottom of the form is a dark blue button labeled 'Submit Review'.

● Two-Part Layout:

- 1.Sidebar with product list: Lists categories and tags.
2. Grid Layout: All Products.

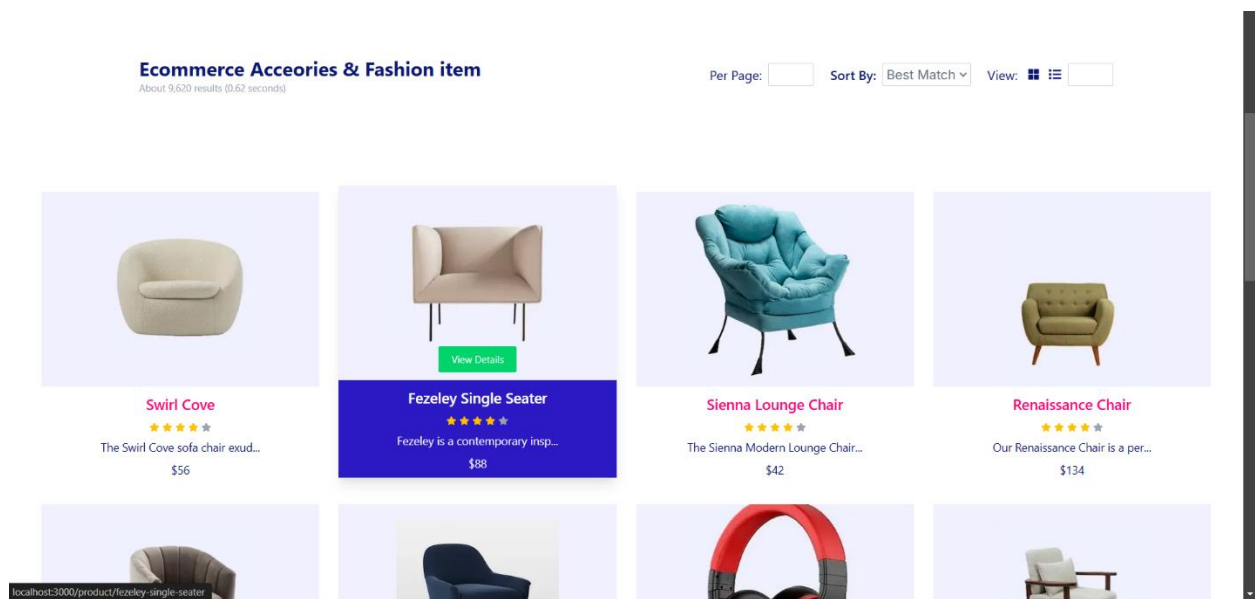
4. Shop Page

Purpose: Show all products in an easy-to-browse format.

- Features:

- **Grid Layout:**

- Products organized in rows and columns.



○ Sidebar:

- Filters for categories, price, and ratings.
- Tags for quick sorting.

☐ Magento
☐ Bigcommerce
☐ osCommerce
☐ 3dcart
☐ Bags
☐ Accessories
☐ Jewellery
☐ Watches

Price Filter

☒ \$0.00 - \$150.00
☐ \$150.00 - \$350.00
☐ \$150.00 - \$504.00
☐ \$450.00+

Filter By Color

☒ Blue ☐ Orange ☐ Brown
☐ Green ☐ Purple ☐ Sky



Fezeley Single Seater

\$88 ~~\$133.00~~ ★★★★★

Fezeley is a contemporary inspired design that's perfect for homes with a modern 'cool' aesthetic. The curved shape, pad



Riposo

\$78.09 ~~\$123.09.00~~ ★★★★★


The Riposo sofa chair is the epitome of understated luxury and relaxation, its name inspired by the Italian word for "re



○ Interactive Buttons:

- Add to Cart
- Add to Wishlist

- Notifications: Alerts users when actions are successful.



This item is in stock and ready to ship.
★★★★★ (22)
\$56 ~~\$60~~
🚚 1-2 Days Shipping

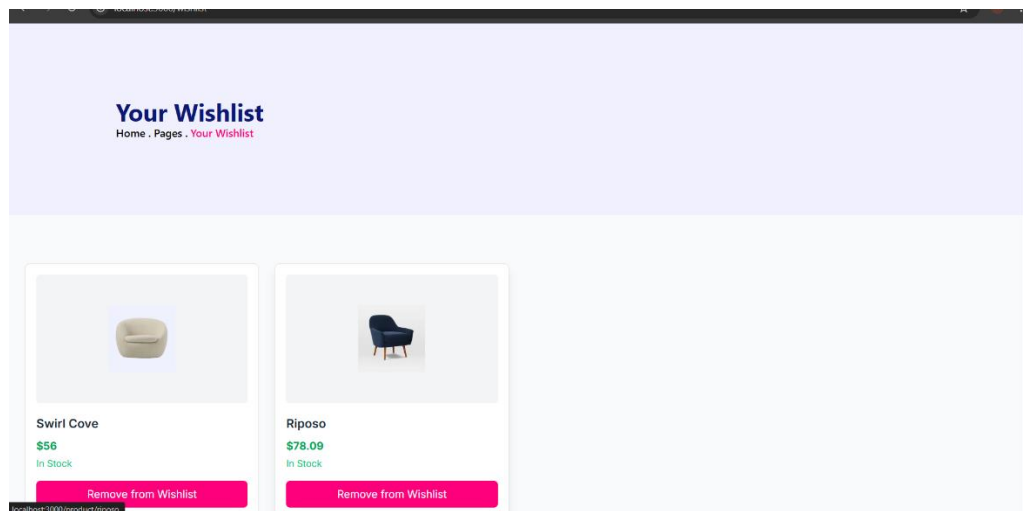
The Swirl Cove sofa chair exudes modern elegance and comfort, designed to be the centerpiece of any living space. Its signature design features gently curved edges that mimic swirling waves, enveloping the user in a cozy embrace. The chair is upholstered in premium fabric or leather, available in a variety of soothing, earthy tones or bold, vibrant colors to match diverse interior styles. Its generously padded cushions and

Item added to Cart successfully!

5. Wishlist and Cart:

Wishlist Features:





- Save products to view later.
- Remove items easily.
- Shows selected items, quantity, and total price.
- Options to remove items or clear the cart.
- Notifications for actions like adding or removing items.



Cart Features:

- Shows selected items, quantity, and total price.
- Options to remove items or clear the entire cart.
- Notifications for actions like adding or removing items from the cart.

[Home](#) . [Pages](#) . [Cart](#) **Shopping Cart**

Product	Price	Qty	Total	Action
 Swirl Cove	\$56.00	- 1 +	\$56.00	Remove
 Fezeley Single Seater	\$88.00	- 1 +	\$88.00	Remove
 Dream Weaver (Pair of 2)	\$76.00	- 1 +	\$76.00	Remove
 FLINT - Barrel Chair	\$67.00	- 1 +	\$67.00	Remove

[Clear Cart](#)


Cart Total

Subtotal	\$287.00
Tax	\$28.70
Shipping	\$50.00
Total	\$365.70

[Proceed to Checkout](#)

6. Latest Blog


Latest Blogs



Furniture Tips for Compact Living

Living in a small space doesn't mean sacrificing style or comfort. The right furniture choices can transform e...


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How Colors and Designs Impact Mood

Did you know that the furniture you choose can influence your emotions and productivity? Colors play a vital r...

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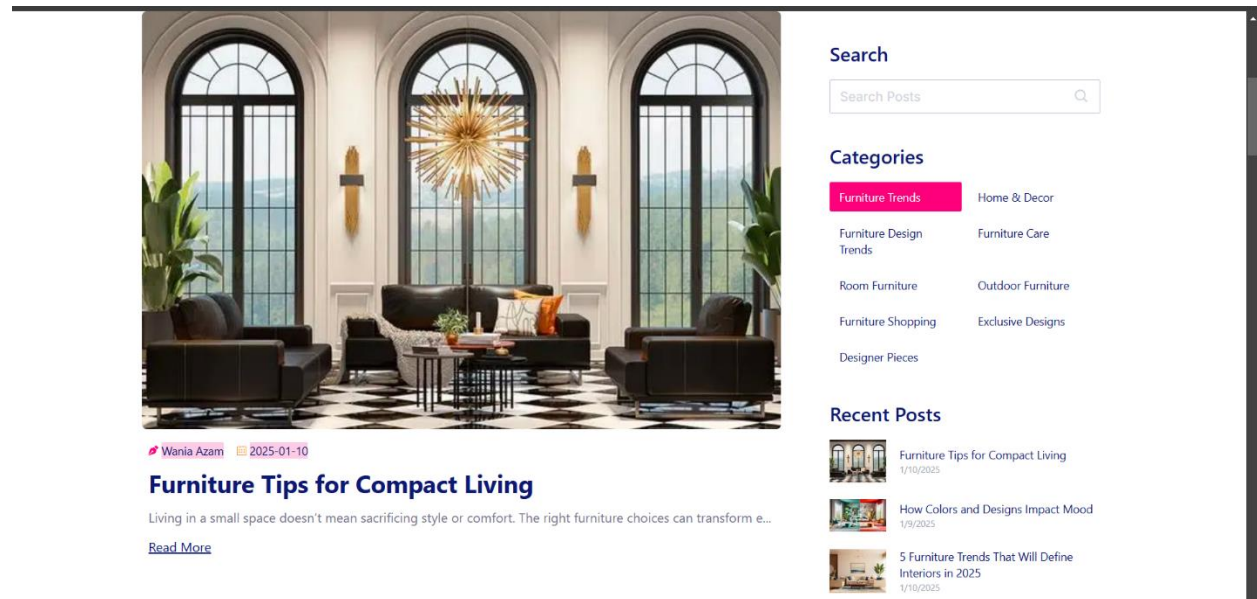
5 Furniture Trends That Will Define Interiors in 2025

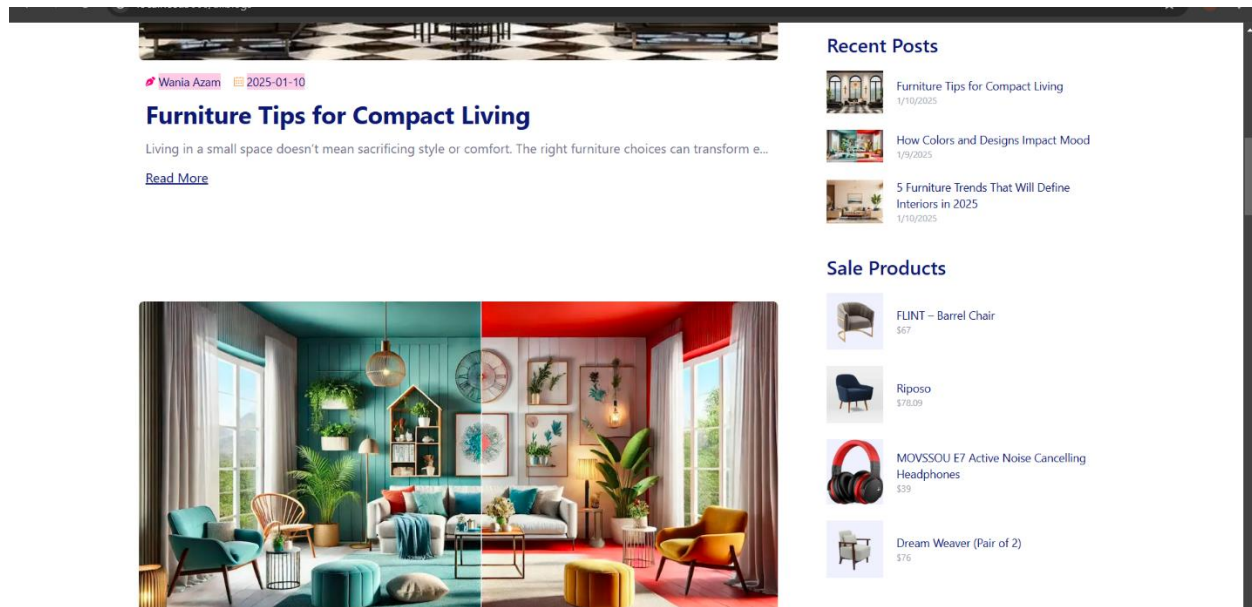
Interior design trends evolve constantly, reflecting our changing lifestyles and tastes. In 2025, expect to see...

[Read More](#)

7. ALL Blogs

- **Purpose:** Displays a list of all available blog posts in a clean, easy-to-read layout.
- **Features:**
 - **Blog Post List:** Shows titles of blog posts with short summaries. Each title is clickable and links to the **Blog Details Page**.
 - **Categories or Tags Filter:** Allows users to filter blog posts by specific topics, helping them find content they're interested in.
 - **Pagination:** Helps users navigate through multiple pages of blog posts if there are many entries.
 - **Responsive Design:** Ensures the layout looks great on mobile devices as well as desktops.

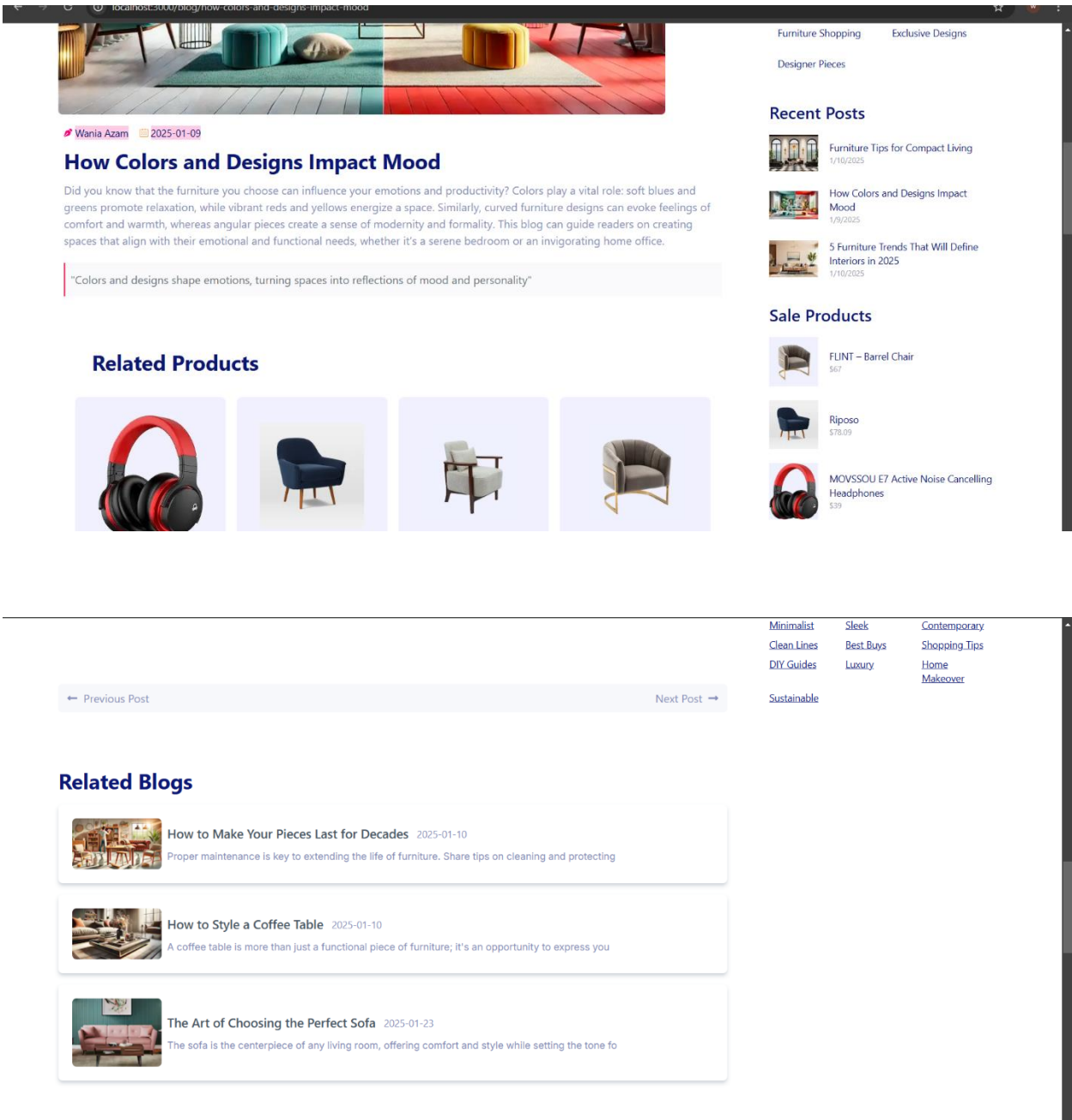




3. Blog Details Page

- **Purpose:** Displays full details for a specific blog post when clicked from the Blog Page.
- **Features:**
 - **Blog Post Title:** Displays the full title of the post.
 - **Date of Publication:** Shows when the post was published for better user context.
 - **Author Info:** Includes the name and profile of the author of the blog post.
 - **Main Content:** Contains the full text of the blog post with rich formatting (headings, images, etc.).
 - **Comments Section:** Users can leave comments on the blog post for interaction.

- **Related Posts:** Suggests other blog posts on similar topics to keep users engaged.
- **Navigation to Previous and Next Posts:** Allows users to move between blog posts easily, encouraging them to read more.



Extra Features:

Filtering and Sorting:

Purpose: Help users find products faster.

- **Filters:**
 - **Categories**
 - **Price Range**
 - **Ratings**
- **Sorting Options:**
 - **Best Sellers**
 - **Discounts**

Real-Time Notification

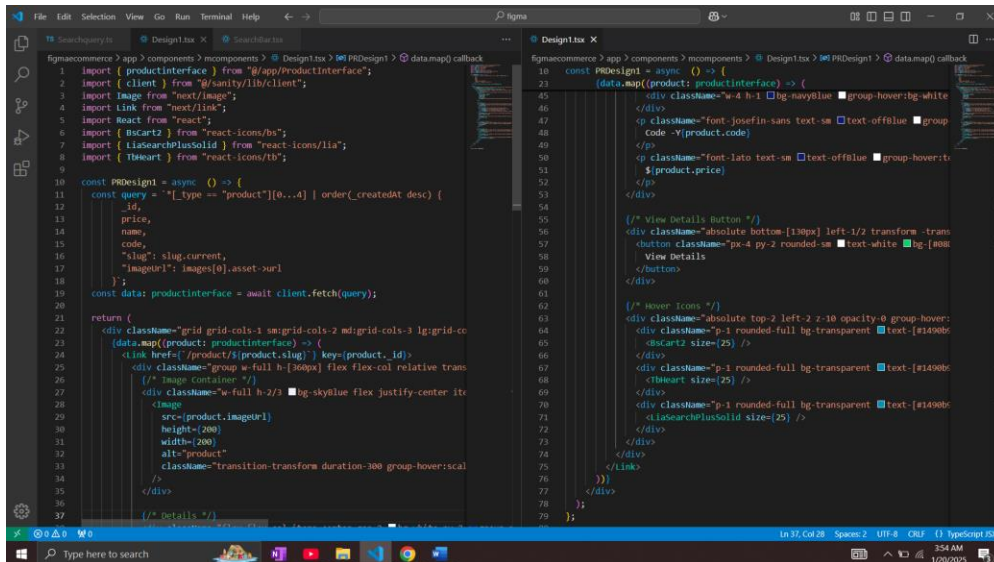
Purpose: Keep users informed.

- **Alerts for adding or removing items from the cart or wishlist.**
- **Discount Section:**

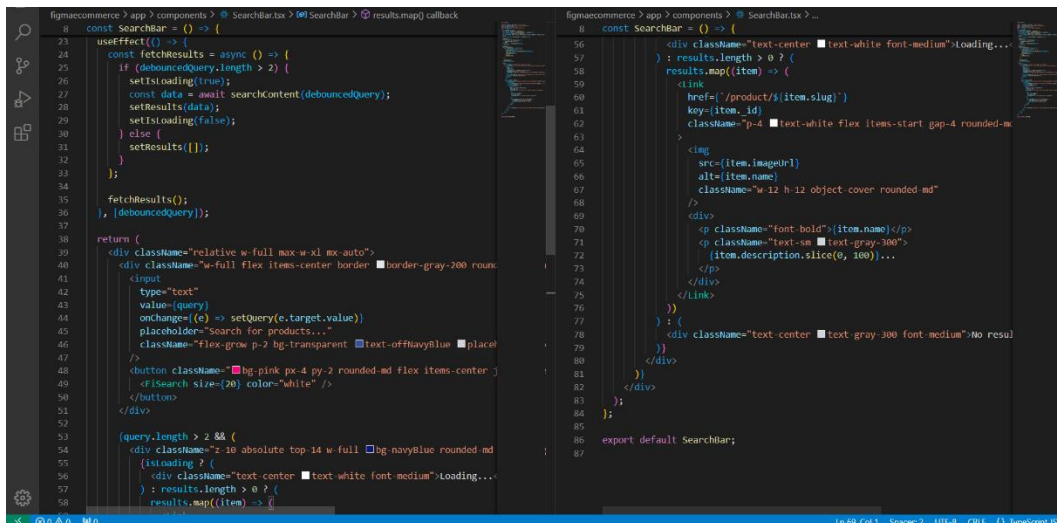
Purpose: Highlight products on sale.

- **Updates automatically based on backend data.**

1: Code Snippets of ProductCard.



2: Code Snippets of searchBar.



Technical report:

1. Steps to Build & Integrate Components

- **Planning & Design:**
 - Researched marketplace components.
 - Used Figma for wireframes and UI design.
 - **Component Development:**
 - **Header & Navigation Bar:** Used Tailwind CSS for a responsive layout with logo, search bar, and quick links.
 - **Product Cards:** Styled with Tailwind CSS for product details (name, price, image). Responsive design using flex and grid.
 - **Product Details Page:** Built two-part layout (main content + sidebar) with Tailwind CSS for responsiveness.
 - **Shop Page:** Used grid layout for product display and added filtering and sorting options in a sidebar.
 - **Wishlist & Cart:** Styled with Tailwind CSS, interactive buttons to add/remove items with real-time updates.
 - **Integration:**
 - Combined components (e.g., product card on shop and detail pages).
 - Integrated real-time features (e.g., cart and wishlist notifications).
-

2. Challenges & Solutions

- **Reusability:** Ensured components like product cards could be used across multiple pages by keeping them modular with Tailwind CSS classes.
- **Responsiveness:** Used Tailwind CSS's media queries (sm:, md:, lg:) to ensure all components look good on all screen sizes.

3. Best Practices

- **Modular Code:** Used Tailwind CSS for reusable styling classes, making the code maintainable and clean.

- **Well-Commented Code:** Commented key sections for easier understanding and future updates.
- **User-Centered Design:** Focused on intuitive navigation and interactive features like filters and notifications.

Conclusion:

On Hackathon Day 4, I focused on creating a robust and polished set of reusable frontend components designed to elevate the user experience in a dynamic marketplace. Each component was built with responsiveness, usability, and scalability in mind, ensuring they function seamlessly across devices. The core features I developed included a sleek Header and Navigation Bar, which serve as the foundation for easy navigation, and a clean, intuitive Product Card system that displays product details in a user-friendly manner.

Additionally, I created a detailed Product Details Page where users can explore individual product features, an organized Shop Page to showcase all products in a visually appealing grid, and a Wishlist and Cart functionality to enhance the shopping experience. Each component was carefully crafted to ensure smooth interactions, like real-time notifications and quick sorting/filtering options, making browsing more efficient and enjoyable.

Furthermore, I incorporated a Blog Page to engage users, featuring a detailed Blog Details Page with seamless navigation through Previous/Next posts, and a Blog Sidebar to help users easily explore related content. To improve the overall functionality, I also included features like automatic updates in the Discount Section, along with interactive sorting and filtering tools, so users can quickly find products that meet their needs.

The entire project was built with clean, well-commented code to ensure maintainability and easy future updates. The goal was to design flexible components that can be reused in various contexts, and I've ensured that all features work together to provide an exceptional, real-world-ready product.