

Day 4 -

Dynamic Frontend Components for [Furniro For Furniture E-Commerce]

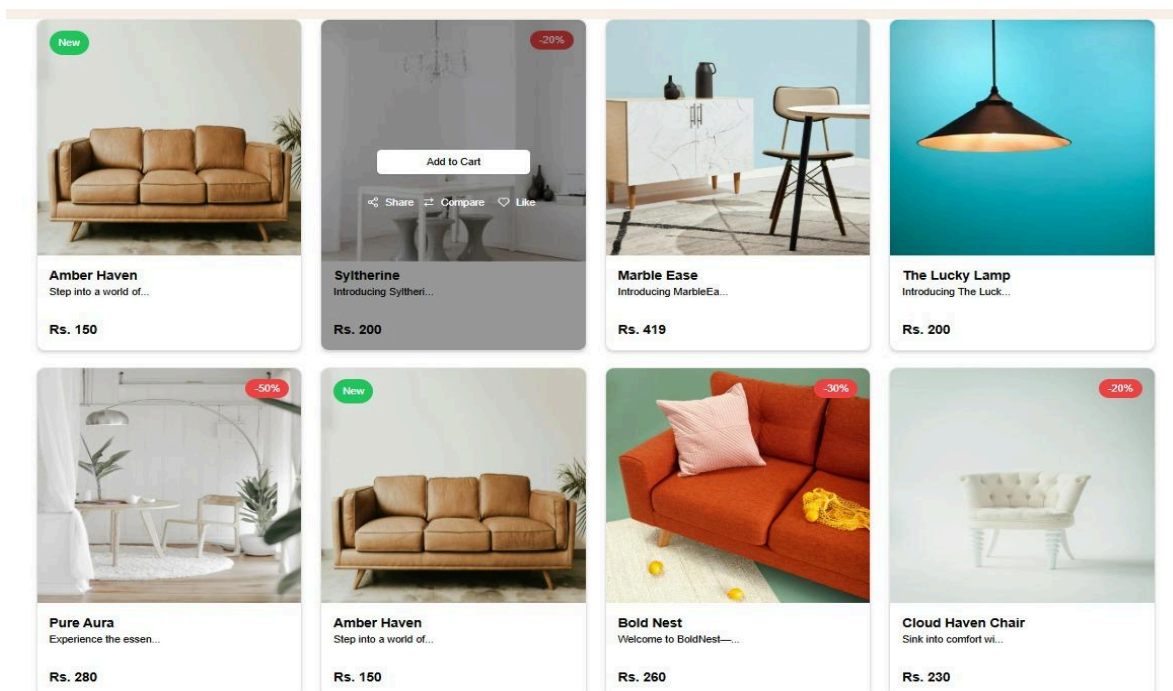
Introduction:

This report highlights the development journey of creating dynamic frontend components for my e-commerce platform, designed to deliver a seamless shopping experience. Key features include dynamic product listings, advanced category filtering, intelligent search functionality, and other essential e-commerce capabilities. The process is documented to showcase the challenges faced and the innovative solutions implemented, reflecting a commitment to building an engaging and user-friendly platform.

Key Components to Build and Explanation:

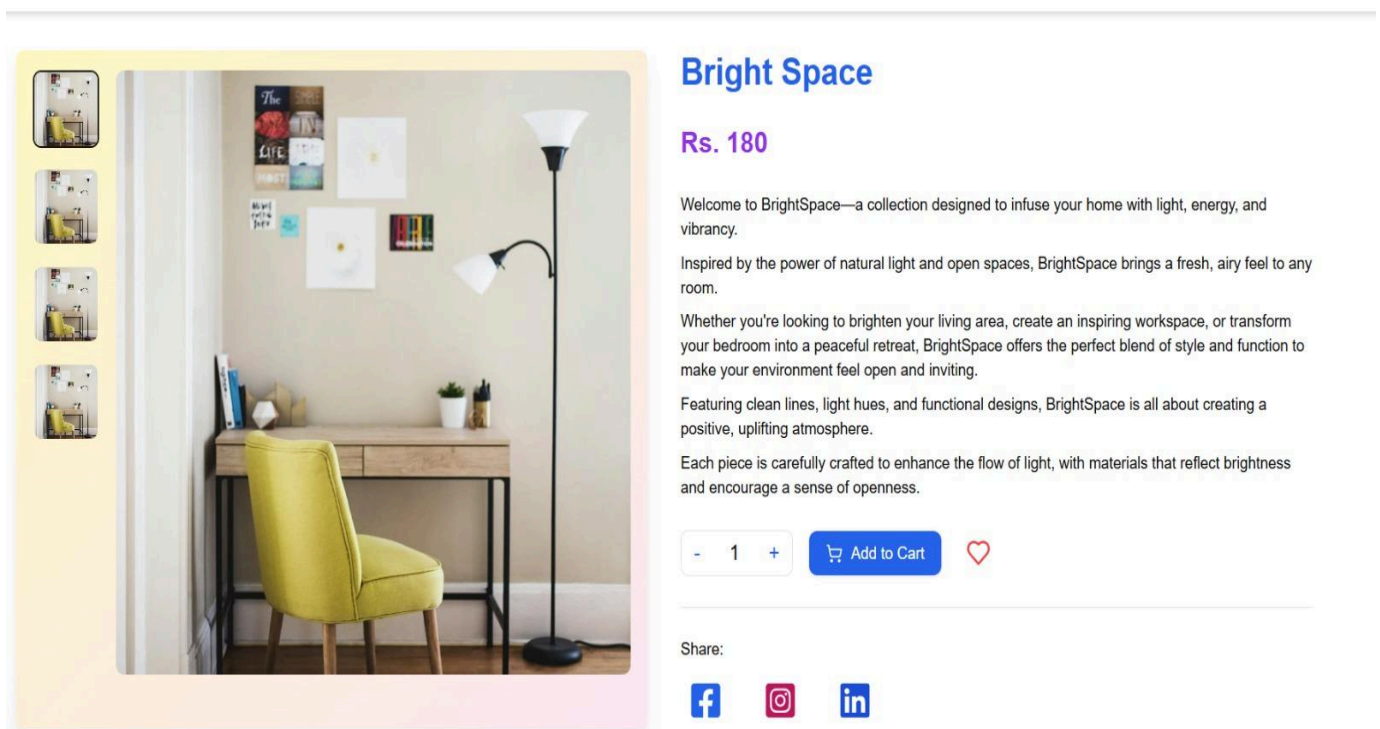
1. Product Listing Component:

The Product Listing Component is built to dynamically showcase products in a visually appealing grid layout. It displays essential product details, including the product name, price, image, and stock status, ensuring users can easily browse and evaluate items. Designed with reusability in mind, this component can be adapted for various product categories, enhancing flexibility and efficiency across the platform.



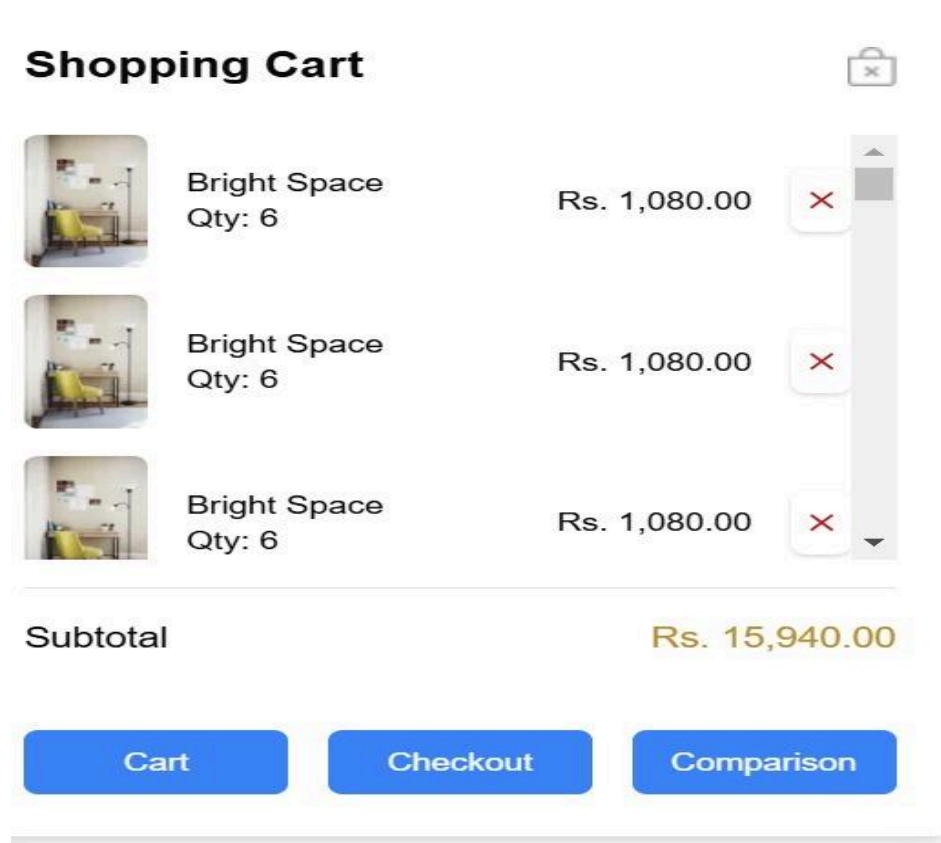
2.Product Detail Component:

The Product Detail Component is designed to provide users with comprehensive information about a selected product. It includes details such as the product name, price, description, high-quality images, available sizes or variants, customer reviews, and stock availability. This component ensures users have all the necessary information to make informed purchasing decisions and is optimized for a visually engaging and user-friendly experience.



3..Shopping Cart Component

The Shopping Cart Component allows users to view and manage the products they have selected for purchase. It displays key details such as product names, prices, quantities, and total cost. Users can easily update quantities, remove items, and view the updated cart total in real-time. This component also includes a checkout button that directs users to the checkout process, ensuring a smooth transition from shopping to completing their purchase. Designed for ease of use, it enhances the overall shopping experience by providing quick access to cart management features.



4.Description Component:

The Description Component provides users with detailed information about a product, including its features, specifications, materials, and usage instructions. It helps users understand the product's value and functionality, offering a clear and concise overview. This component is designed to be easily accessible on the product detail page, ensuring that customers can make informed decisions by reading all relevant information before making a purchase. It may also include additional sections like care instructions, warranty details, or product benefits to enhance the user experience.

Description

Additional Information

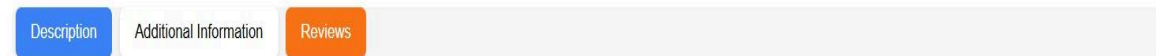
Reviews

Introducing MarbleEase—a luxurious collection that brings the timeless elegance of marble into your home with ease and sophistication. Designed for those who appreciate understated beauty and high-end design, MarbleEase combines the natural allure of marble with modern functionality, creating an effortless balance between style and practicality. Each piece in the MarbleEase collection features the exquisite veining and refined textures that make marble a classic choice, while offering lightweight and durable alternatives that ensure easy maintenance and long-lasting appeal. Whether you are adding a statement piece to your living room, kitchen, or office, MarbleEase brings a touch of opulence and tranquility to any space. From sleek tabletops and chic home accessories to sophisticated decor accents, MarbleEase infuses your home with a sense of luxury and simplicity. Its neutral tones and classic design complement a wide variety of interior styles, from modern minimalism to more traditional settings. Perfect for those who value timeless design with a contemporary twist, MarbleEase offers elegance without the hassle. Key Features: Timeless marble-inspired design with beautiful veining and texture. High-quality, easy-to-care-for materials that offer durability and longevity. Lightweight and functional, making it ideal for daily use and effortless maintenance. Versatile pieces that complement a wide range of interior styles. Perfect for adding an elegant, luxurious touch to any room. Elevate your home with MarbleEase—where luxury meets ease, and timeless design is made effortlessly modern. Create a space that reflects your love for beauty, simplicity, and sophistication.



5. Additional Information Component:

The Additional Information Component offers supplementary details that enhance the user's understanding of the product. This can include size charts, color options, shipping details, return policies, and product certifications. It is designed to provide customers with all the extra information they might need to make an informed purchase decision. By organizing these details in an easy-to-navigate format, the component ensures a smooth and transparent shopping experience, helping to build trust and reduce potential buyer hesitation.



Marble Ease

New/Old: New

Tags: marble ,luxury ,furniture ,modern ,elegance

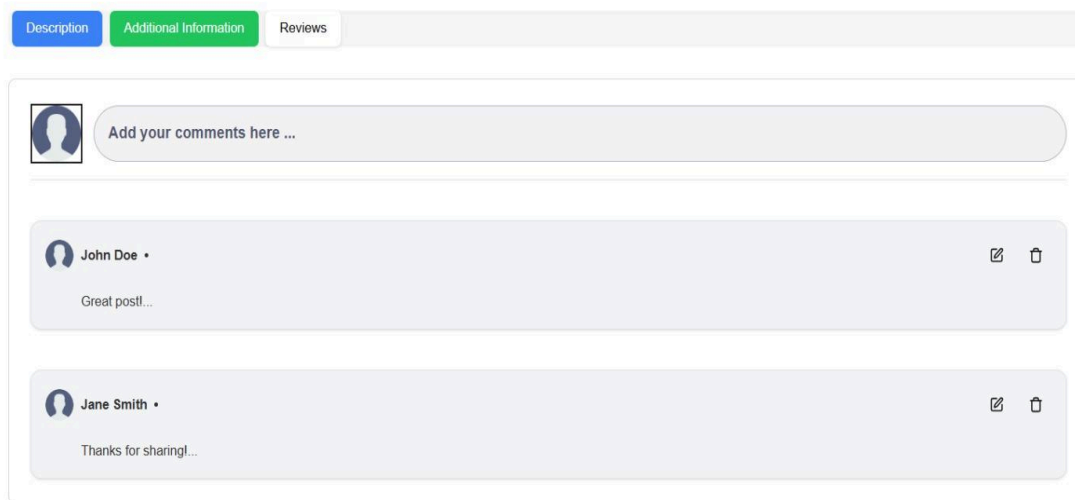
Price: **Rs. 419**

Discount: **0%**

Introducing MarbleEase—a luxurious collection that brings the timeless elegance of marble into your home with ease and sophistication. Designed for those who appreciate understated beauty and high-end design, MarbleEase combines the natural allure of marble with modern functionality, creating an effortless balance between style and practicality. Each piece in the MarbleEase collection features the exquisite veining and refined textures that make marble a classic choice, while offering lightweight and durable alternatives that ensure easy maintenance and long-lasting appeal. Whether you are adding a statement piece to your living room, kitchen, or office, MarbleEase brings a touch of opulence and tranquility to any space. From sleek tabletops and chic home accessories to sophisticated decor accents, MarbleEase infuses your home with a sense of luxury and simplicity. Its neutral tones and classic design complement a wide variety of interior styles, from modern minimalism to more traditional settings. Perfect for those who value timeless design with a contemporary twist, MarbleEase offers elegance without the hassle. **Key Features:** Timeless marble-inspired design with beautiful veining and texture. High-quality, easy-to-care-for materials that offer durability and longevity. Lightweight and functional, making it ideal for daily use and effortless maintenance. Versatile pieces that complement a wide range of interior styles. Perfect for adding an elegant, luxurious touch to any room. Elevate your home with MarbleEase—where luxury meets ease, and timeless design is made effortlessly modern. Create a space that reflects your love for beauty, simplicity, and sophistication.

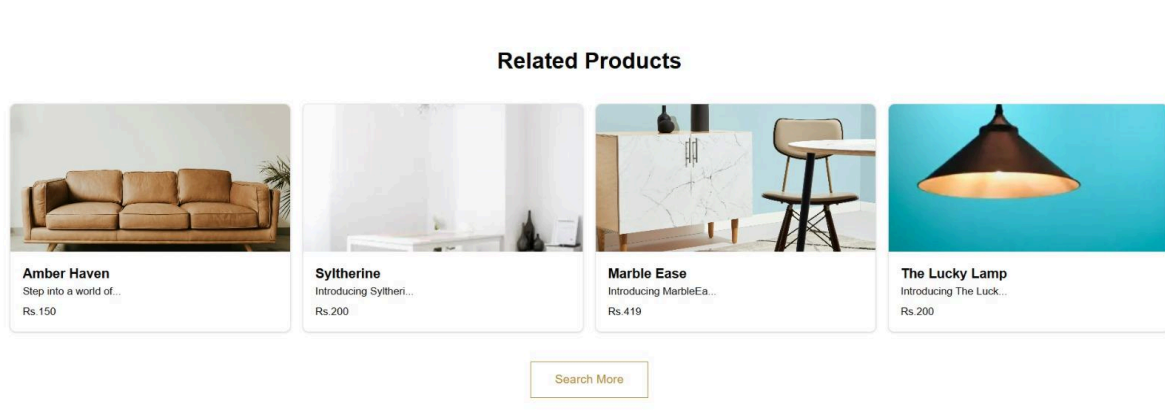
6.Reviews Component

The Reviews Component provides customers with a platform to share their experiences and read feedback from other buyers. It includes a rating system (e.g., 1 to 5 stars), user comments, and an average rating for each product. To enhance trust, reviews may be marked as "Verified Purchase" to ensure authenticity. Features like sorting reviews by helpfulness, rating, or recency, and allowing users to upvote or downvote reviews, make it easier for shoppers to find the most relevant feedback. Additionally, users can contribute their own reviews, adding detailed insights or tips, which fosters a sense of community and helps future customers make well-informed decisions.



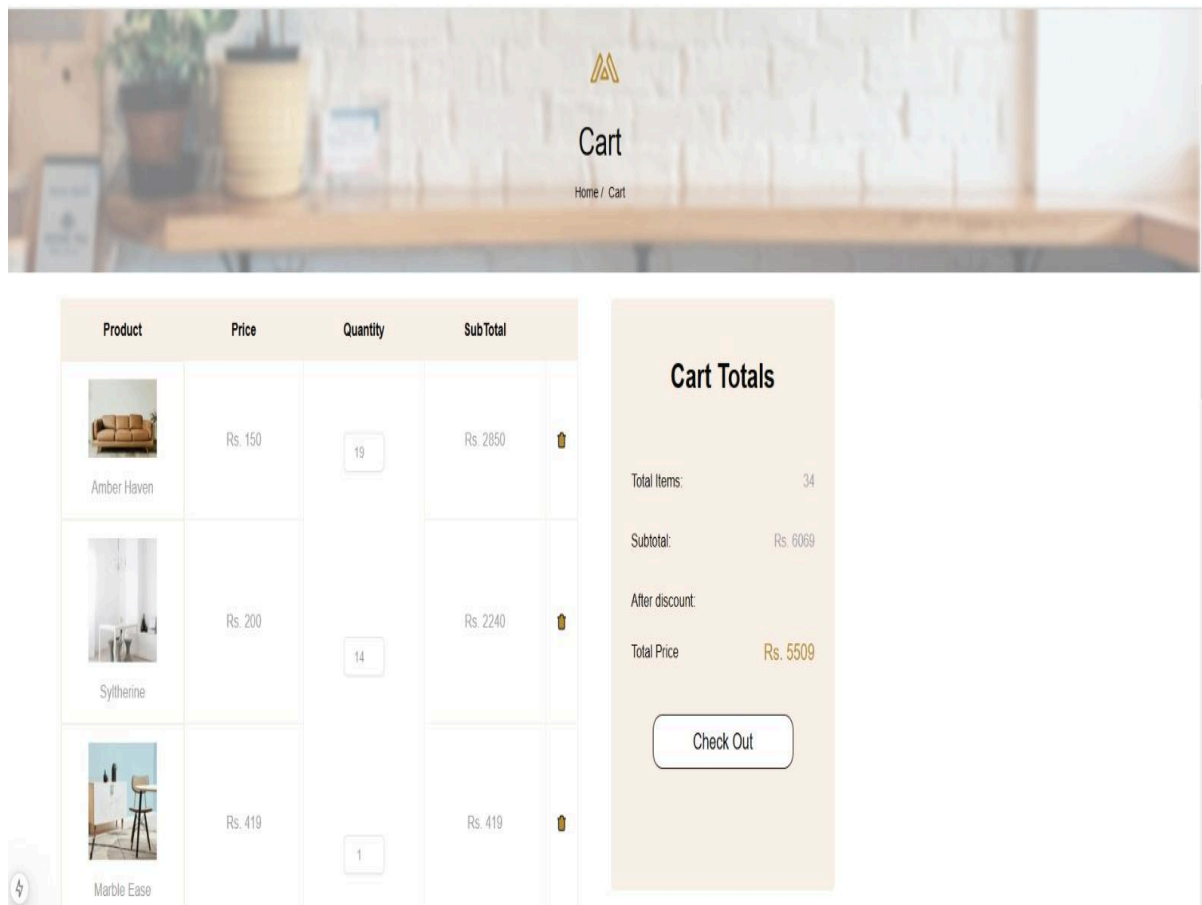
7.Related Products Component

The Related Products Component showcases items that are similar to or complement the product the user is currently viewing. It helps increase engagement by suggesting products based on categories, brand, style, or user preferences. This feature encourages users to explore additional products they might be interested in, increasing the likelihood of additional purchases. The component typically displays product images, names, prices, and quick links to product details, making it easy for users to browse related items without leaving the current page. By offering personalized recommendations, it enhances the shopping experience and drives conversions.



8. Cart Component:

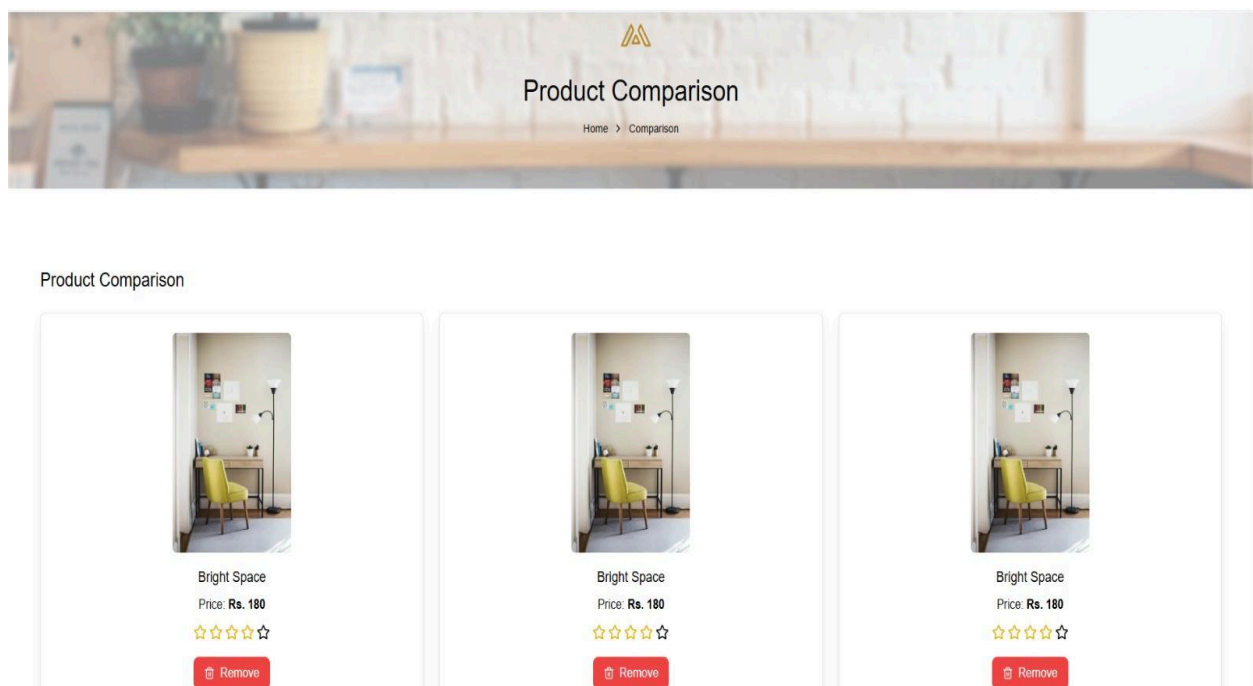
The Cart Component is a crucial part of the shopping experience, allowing users to view, modify, and manage the items they intend to purchase. It displays product details such as name, price, quantity, and subtotal for each item, along with the overall total cost of the cart. Users can easily adjust quantities, remove items, or proceed to checkout directly from the cart. The component may also show any applicable discounts, taxes, or shipping fees, providing a transparent breakdown of the final price. Additionally, it can feature a "Save for Later" option, allowing users to keep items in the cart without purchasing them immediately, enhancing the flexibility of the shopping process.



9. Product Comparison Component:

The Product Comparison Component allows users to compare multiple products side by side, helping them make informed purchasing decisions. It displays key attributes such

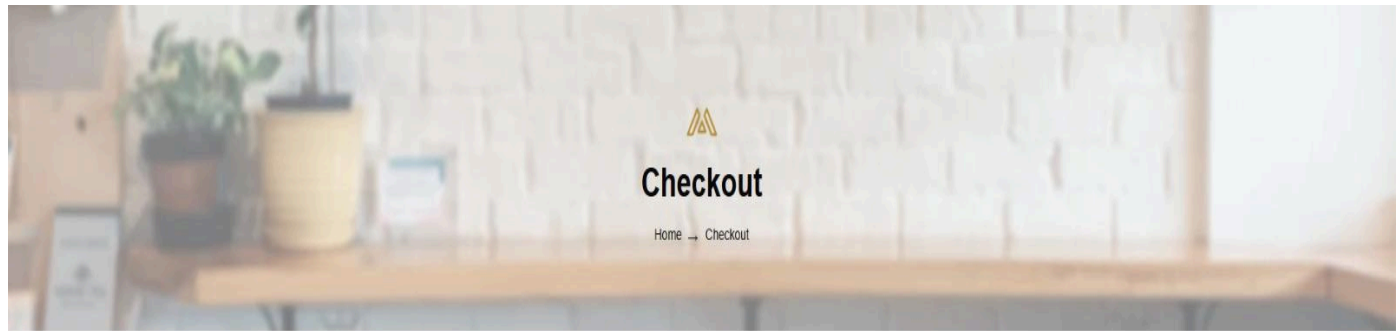
as price, features, specifications, and ratings in a clear, organized table format. Users can select products from different categories or similar items to see how they stack up against each other. This feature is particularly useful for shoppers who are considering multiple options and want to evaluate their differences before making a final choice. By offering a streamlined comparison process, the component enhances the shopping experience and aids in decision-making.



10.Checkout Component:

The Checkout Component is a critical part of the e-commerce experience, guiding users through the final steps of their purchase. It typically includes sections for entering shipping information, selecting payment methods, reviewing the order summary, and applying any discounts or promo codes. The component also displays a breakdown of the total cost, including taxes, shipping fees, and any applicable discounts. Users can review their cart one last time before confirming the purchase. To enhance user experience, the checkout process is often designed to be simple, secure, and intuitive,

offering options like guest checkout or account login for returning customers. Additionally, users may be provided with an order confirmation page or email once the purchase is completed.



Billing details

First Name

Last Name

Company Name (Optional)

Country / Region

Sri Lanka ▼

Order Summary

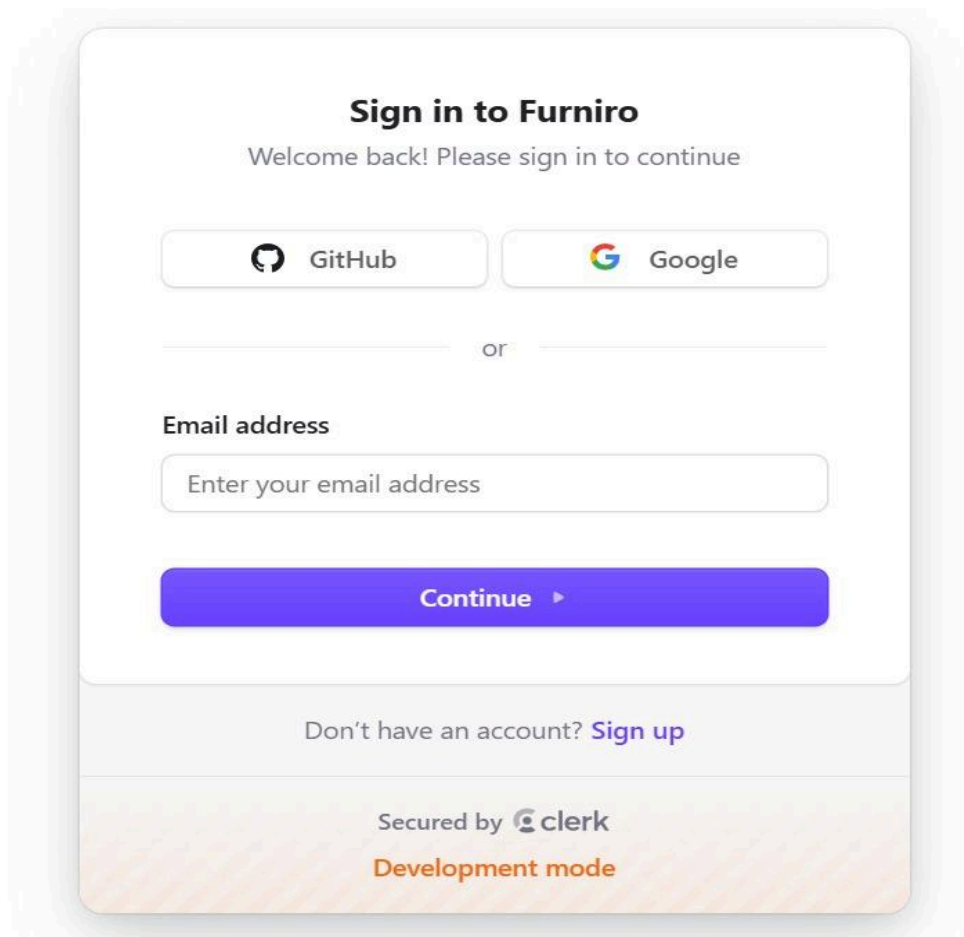
Subtotal Rs. 0.00

Total Rs. 0.00

Place Order

11.Clerk.js Authentication - Login & Sign-in Page:


Clerk.js is a modern authentication library designed for seamless login and sign-in experiences. It supports various authentication methods, including passwordless login, social sign-ins, and multi-factor authentication (MFA). With easy integration into frameworks like React and Next.js, it simplifies user authentication while providing pre-built UI components for quick customization. Clerk.js also ensures robust security through features like session management and access control, making it a reliable choice for developers building secure and user-friendly applications.




The image shows a login form for 'Furniro'. At the top, it says 'Sign in to Furniro' in bold, followed by 'Welcome back! Please sign in to continue'. Below this are two buttons for social login: 'GitHub' and 'Google'. A horizontal line with the word 'or' in the center separates these from the email login section. The email section has a label 'Email address' and a text input field with the placeholder 'Enter your email address'. Below the input field is a large blue button labeled 'Continue' with a right-pointing arrow. At the bottom of the form, there is a link 'Don't have an account? Sign up'. The footer of the form states 'Secured by clerk' and 'Development mode'.

Sign in to Furniro

Welcome back! Please sign in to continue

 GitHub

 Google


or

Email address

Enter your email address

Continue ▶

Don't have an account? [Sign up](#)


Secured by  clerk


Development mode


12.Stripe payment:

Stripe is a versatile payment processing platform that supports cards, digital wallets, and bank transfers. It offers seamless integration through APIs for websites and mobile apps. With built-in fraud protection and security tools, it ensures safe transactions. Stripe also supports subscriptions, one-time payments, and custom billing solutions.

Pay with Card






Card


Amazon Pay


Cash App Pay

Card number

1234 1234 1234 1234




Expiry date

MM / YY

Security code

CVC



Country

Pakistan

▼

Pay

Conclusion:

In conclusion, the development of key frontend components for the e-commerce platform has created a smooth and engaging shopping experience. Features like dynamic product listings, detailed product pages, shopping cart, checkout, and user reviews ensure ease of use and enhance customer interaction. The integration of secure payment gateways, personalized recommendations, and responsive design further optimizes the user journey. By addressing challenges with innovative solutions and performance optimizations, the platform delivers a seamless, user-friendly, and efficient experience that drives customer satisfaction, retention, and higher conversions.