

Hackathon: 3

Day 4

(19th January 2025)



Building Dynamic
Frontend Components
for Your Marketplace

[Day_4_Building_Dynamic_Frontend_Components_for_Your_Marketplace \(1\).pdf](#)

Product Detail Component:

This component displays detailed information about a product, such as its images, descriptions, specifications, and pricing.



Diondre Chair - Tuft Button - Acrylic Legs

★★★★★ (12)

\$720 ~~\$840~~ not available

Color:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris tellus porttitor purus, et volutpat sit.

Add to Cart

Category:

Tags:

Share:

Categories Component:

The Categories Component is designed to provide users with an organized way to explore the latest, trending, or featured product categories on the website.

Featured Products



Cantilever chair

Code - Y523201

\$42.00



Cantilever chair

Code - Y523201

\$42.00



Cantilever chair

Code - Y523201

\$42.00




Cantilever chair


Code - Y523201


\$42.00

Latest Products

New Arrival Best Seller Featured Special Offer












Cart Component:

The Cart Component lets users view products added to their shopping cart, adjust quantities, and remove items before proceeding to checkout.

Shopping Cart				
Home . Pages . /cart				
Product		Price	Quantity	Total
	Ut diam consequat Color: Brown Size: XL	\$32.00	1	\$219.00
	Vel faucibus posuere Color: Brown Size: XL	\$32.00	1	\$219.00
	Ac vitae vestibulum Color: Brown Size: XL	\$32.00	1	\$219.00
	Elit massa diam Color: Brown Size: XL	\$32.00	1	\$219.00
	Proin pharetra elementum Color: Brown Size: XL	\$32.00	1	\$219.00
Update Cart		Clear Cart		

Checkout Flow Component:

The Checkout Flow guides users through the purchase process, including entering shipping information, payment details, and order confirmation.

Hekto Demo

Cart / Information / Shipping / Payment

Contact Information

Email or mobile phone number

☐ Keep me up to date on news and exclusive offers

Shipping Address

First name (optional)

Last name

Address

Apartment, suite, etc. (optional)

City

Bangladesh

Postal Code

Continue Shipping



Ut diam consequat

Color: Brown

Size: XL

\$32.00

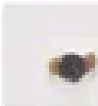


Vel faucibus posuere

Color: Brown

Size: XL

\$64.00



Ac vitae vestibulum

Color: Brown

Size: XL

\$96.00



Elit massa diam

Color: Brown

Size: XL

\$128.00



Proin pharetra

clementum

Color: Brown

Size: XL

\$160.00

Subtotal:

£219.00

Total:

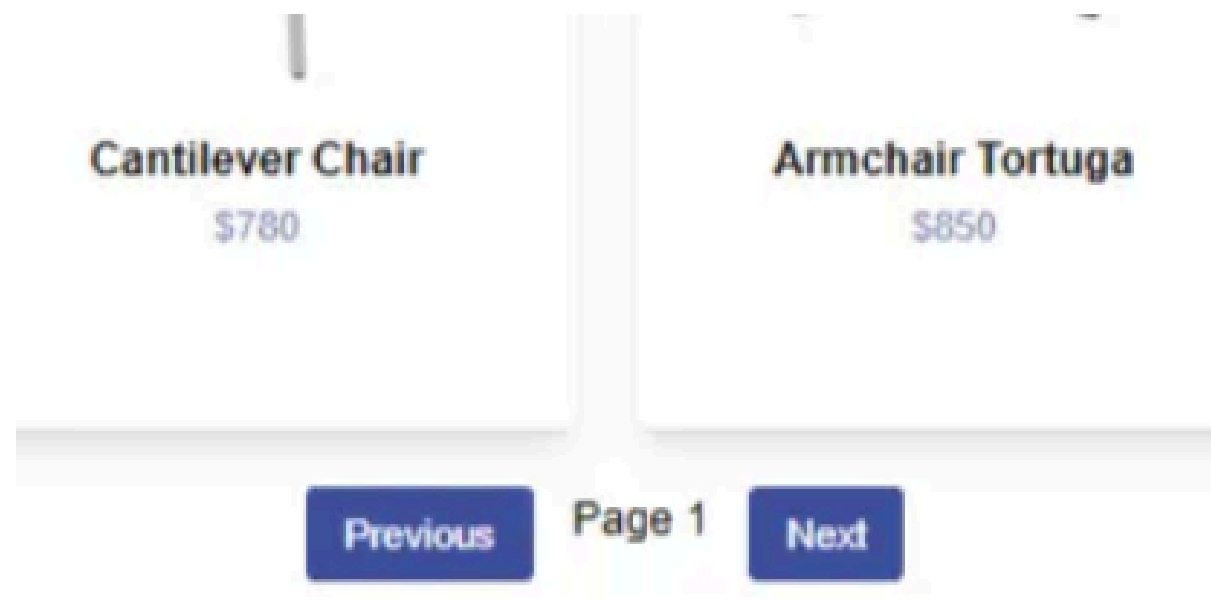
£325.00

☐ Shipping & taxes calculated at checkout.

Proceed to checkout

Pagination Component:

This component allows users to navigate between pages of products, especially when there are many items to browse.



Filter Panel Component:

The Filter Panel enables users to refine product searches by attributes such as price range, no of items and display order.

Ecommerce Accessories & Fashion Items

About 21 results

Per Page: 12 items ▾ Sort By: Low to High ▾ View:  

12 items

18 items

20 items



Related Products Component:

The Related Products Component suggests additional products based on the current product being viewed, encouraging users to explore more options.

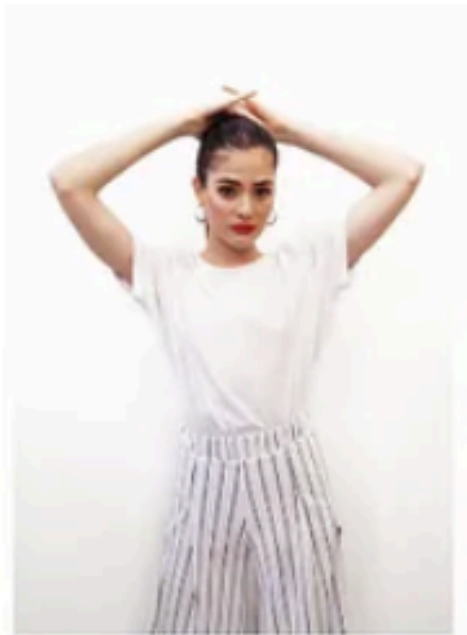
Related Products



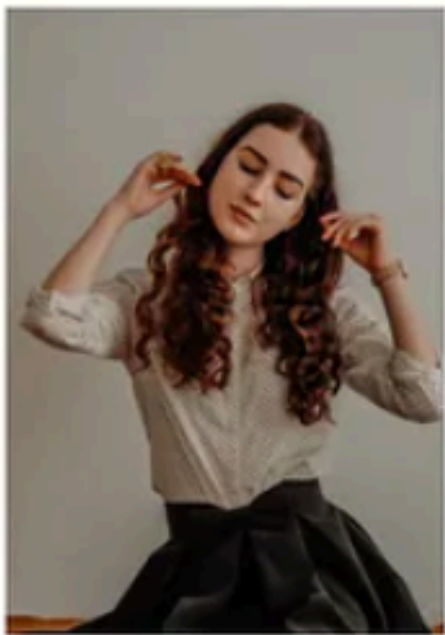
Mens Fashion Wear ★★★★★
\$43.00



Women's Fashion ★★★★★
\$67.00



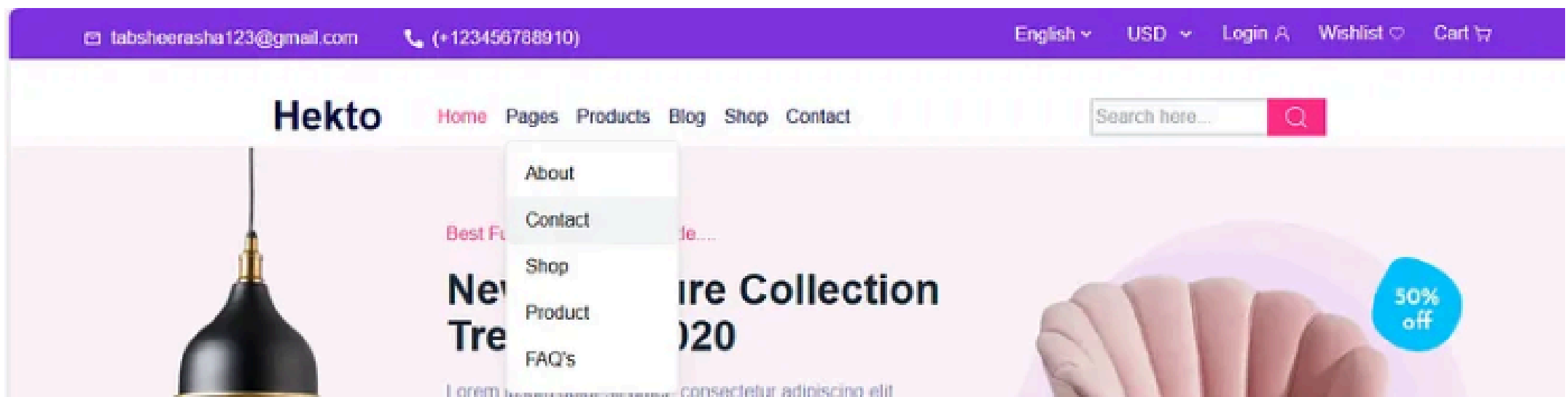
Wolx Dummy Fashion ★★★★★
\$67.00



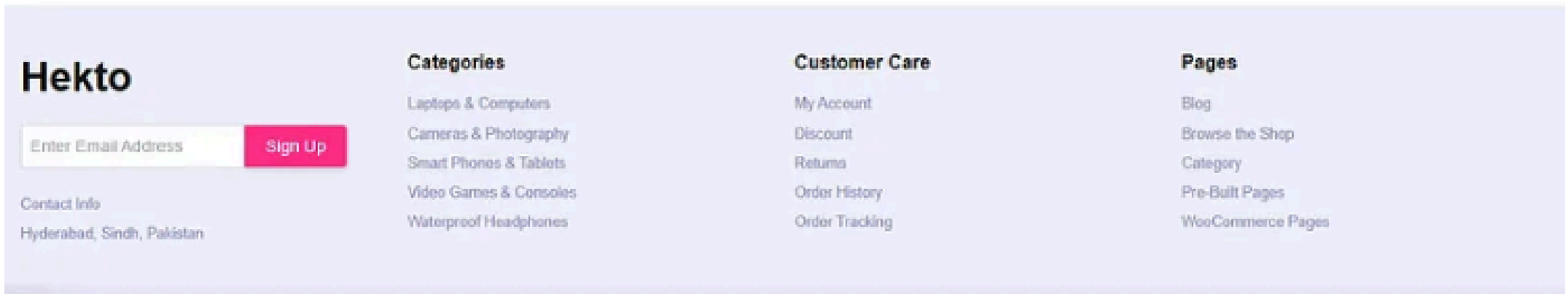
Top Wall Digital Clock ★★★★★
\$51.00

Footer and Header Components:

The Header and Footer provide navigation for the website, including menus, a search bar, access to the shopping cart, and links to important pages such as privacy policies and contact information.



Header/ navbar



Discount and Promotion Component:

The Discount and Promotion Component is aimed at displaying ongoing discounts, special offers, and promotions to users. It ensures that customers are informed about current sales, time-limited offers, or special deals, encouraging them to make purchases.

Discount Item

Wood Chair Plastic Chair Sofa Collection

20% Discount On All Products

Eams Sofa Compact

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Eu eget feugiat habitasse nec, bibendum condimentum.

- ✓ Material expose like metals
- ✓ Clear lines and geometric figures
- ✓ Material expose like metals
- ✓ Clear lines and geometric figures

Shop Now



Overall Best Practices:

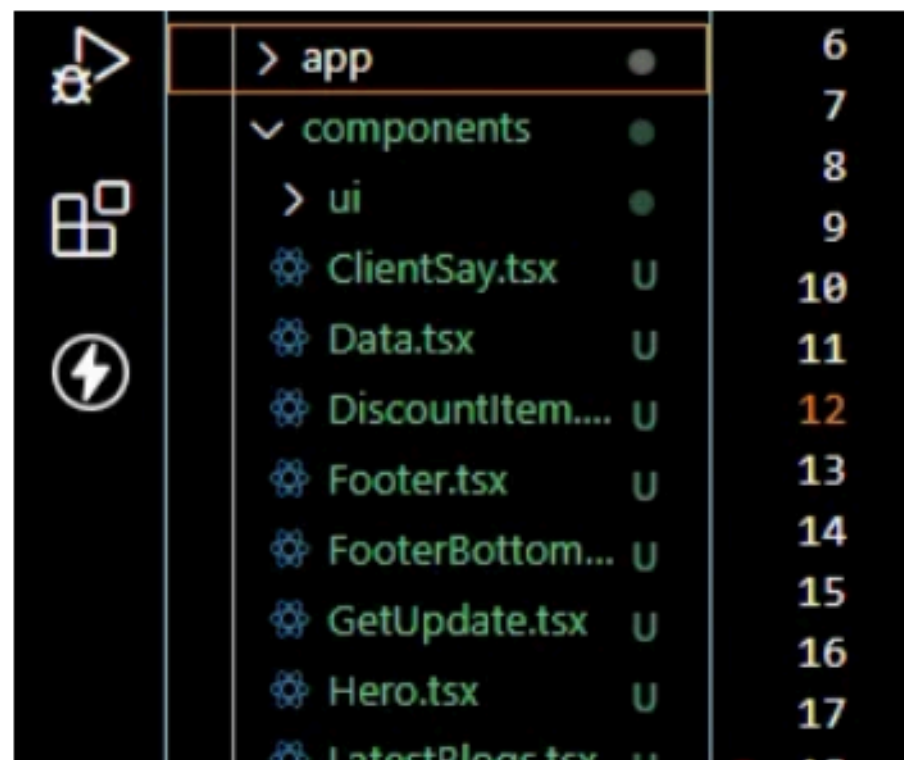
To ensure an optimal user experience across all components of the project, the following best practices are applied:

Modular Code with Components:

For maintainable and reusable code, the project was divided into modular components. Each component is designed to perform specific functions, making the code easier to manage and scale. Instead of writing lengthy scripts, each feature is created as a self-contained unit that can be called and used where needed in the application.

Calling Components:

All the components are called in their appropriate places, ensuring that they are only responsible for their specific task. For example, a component related to the shopping cart is displayed only within the cart page, and a component handling the checkout process is integrated seamlessly into the checkout flow. This approach not only keeps the code organized but also reduces redundancy and complexity.



The image shows a file explorer interface with a dark theme. On the left, there are three icons: a folder with a play button, a grid of squares, and a lightning bolt. The main area displays a file tree. The 'components' folder is expanded, showing a 'ui' subfolder and several .tsx files. To the right of the file names are status indicators (a dot or 'U') and line numbers.

> app	●	6
✓ components	●	7
> ui	●	8
ClientSay.tsx	U	9
Data.tsx	U	10
DiscountItem....	U	11
Footer.tsx	U	12
FooterBottom...	U	13
GetUpdate.tsx	U	14
Hero.tsx	U	15
LatestBlog.tsx	U	16

User-Friendly Design:

Prioritize simplicity and clarity in the layout and interactions. Ensure that key information is easy to find and that the user can navigate seamlessly across different sections of the website.

Responsiveness:

The website is designed to be fully responsive, meaning it adapts to various screen sizes, from mobile phones to desktop computers. This ensures users have a consistent experience regardless of the device they use.

Performance Optimization:

Images and content are optimized for faster loading times. For example, lazy loading is used for images to reduce page load times, which is essential for a smooth user experience, especially on mobile devices.

Accessibility:

Ensure all interactive elements are touch-friendly and large enough to be easily clickable on mobile devices. Additionally, provide alternative text for images to improve accessibility.

Testing:

The website is tested across multiple devices and screen sizes to ensure functionality and consistency. Tools like Chrome's device toolbar and BrowserStack are used to simulate different devices and ensure the layout adapts appropriately.

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English ▼

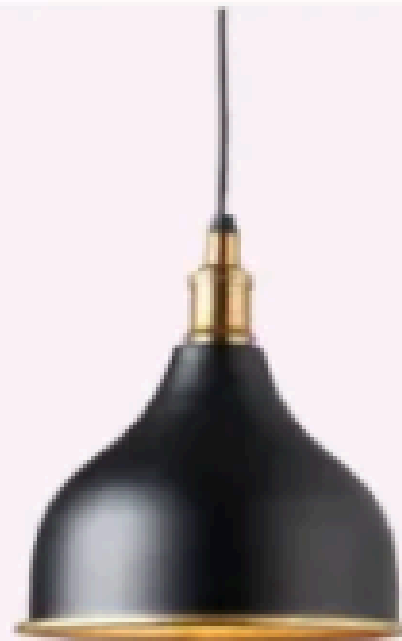
USD ▼

Login 👤

Wishlist ♡

Cart 🛒

Hekto



Best Furniture For Your Castle....

New Furniture Collection Trends in 2020

Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Magna in est adipiscing in
phasellus non in justo.



Shop Now

Conclusion:

In conclusion, this project shows how to build a dynamic and responsive marketplace using modular components. By focusing on best practices like modular code, responsiveness, performance, and accessibility, the website offers a smooth, user-friendly experience. These approaches ensure easy navigation and a seamless shopping experience across all devices, making the project a valuable foundation for future marketplace development.

<https://medium.com/@tabsheerasha123/building-dynamic-frontend-components-for-your-marketplace-7d373dba1af5>

Read on medium

