

Day 4 - Building Dynamic Frontend Components

E-Commerce - Selling Furniture Website

1. Product Listing Component:

Render product data dynamically in a grid layout.

Include fields like:

- o Product Name
- o Price
- o Image
- o Stock Status

Example layout: cards displaying product details.

The screenshot shows a website for 'Avion' furniture. At the top, there's a banner with the text 'Free delivery on all orders over £50 with code easter checkout'. Below the banner, the Avion logo is on the left, and a navigation bar with links to 'About us', 'Contact', 'Blog', a search icon, a shopping cart icon with '0' items, and a user profile icon. The main content area has a dark header with 'All products' and a large image of a wooden staircase. Below the header is a filter bar with dropdowns for 'Category', 'Product type', 'Price', and 'Brand', and a sorting option 'Sorting by: Date added'. The main area displays a grid of 12 product cards, each with an image, name, and price. The products are arranged in three rows of four. The first row includes 'Gold Cutlery' (£250), 'Lamp Table' (Sold, £250), 'White Lamp Table' (£250), and 'Peach Lamp Table' (£250). The second row includes 'Zen Table' (Best Seller, £250), 'Retro Vibe' (New, £340), 'White Crockery' (£250), and 'Art Gold Cutlery' (£250). The third row consists of three partially visible products: a yellow bowl (Sold), a desk lamp (Sold), and two other items.

Category	Product Type	Price	Stock Status
Gold Cutlery	Lamp Table	£250	Sold
Zen Table	Retro Vibe	£250	New
White Lamp Table	White Crockery	£250	Limited
Peach Lamp Table	Art Gold Cutlery	£250	New
			Sold
			Sold

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2. Product Detail Component:

- Create individual product detail pages using dynamic routing in Next.js.
- Include detailed fields such as:

- o Product Description
- o Price
- o Available Sizes or Colors
- o Stock Status, Features ETC.

Free delivery on all orders over £50 with code easter_checkout X

Avion

About us Contact Blog 0 Cart Search

All products Plant pots Ceramics Tables Chairs Crockery Tableware Cutlery ...



Date Added: April 24, 2024

Yellow Sofa Cushion

£230 Stock: 50

Description

A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.

- Premium material
- Handmade upholstery
- Quality timeless classic

Dimensions

Height	Width	Depth
110cm	75cm	50cm

Quantity: - 1 + Add to cart Back

You might also like



Yellow Sofa Cushion
£230



Sofa and Side Table
£280



Art Gold Cutlery
£250



The Dandy chair
£149

View collection

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3. Category Component:

Display categories dynamically fetched from the data source.

Enable filtering of products by selected categories.

- o Filter by Category, Product Type, Brand
- o Sort by Price High to Low, or Low to High
- o Sort by Date Added, or Name
- o Separate Pages as per Category Divided

Product Display By Category

The screenshot shows a product display page for a furniture store. At the top, there is a navigation bar with a logo 'Avion', a promotional banner 'Free delivery on all orders over £50 with code easter checkout', and links for 'About us', 'Contact', 'Blog', and a search bar. Below the navigation bar is a horizontal menu with tabs: 'All products' (which is underlined), 'Plant pots', 'Ceramics', 'Tables', 'Chairs', 'Crockery', 'Tableware', and 'Cutlery'. A green arrow points from the top-left towards the 'Chairs' tab. Another green arrow points from the top-right towards the 'Cutlery' tab. A third green arrow points from the bottom-left towards the 'All products' tab. The main content area displays a grid of eight products: 1. Retro Vibe (teal velvet sofa, New, £340). 2. Yellow and White Chair (yellow and white chairs, £320). 3. Geen White Chair (green chair with white legs, Limited, £150). 4. Black Wooden Chair (black wooden chair, £230). 5. TimberCraft (dark wood chair and table, New, £320). 6. The Steel Chair (black steel chair, Sold, £250). 7. The Steel Stool (black steel stool, Sold, £150). 8. Wood Chair (wooden desk and chair, Limited, £100). Below the grid, there is a 'Load More' button.

Category	Product Name	Status	Price
All products	Retro Vibe	New	£340
All products	Yellow and White Chair		£320
All products	Geen White Chair	Limited	£150
All products	Black Wooden Chair		£230
All products	TimberCraft	New	£320
All products	The Steel Chair	Sold	£250
All products	The Steel Stool	Sold	£150
All products	Wood Chair	Limited	£100

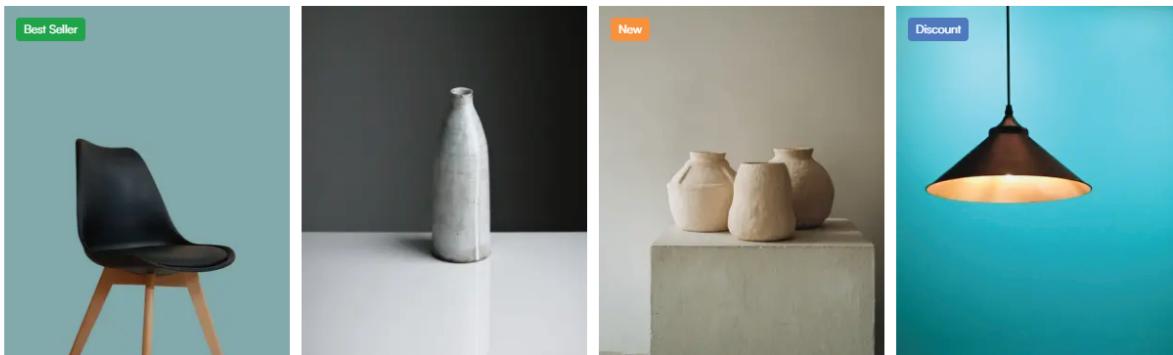
4. Reuse-able Component:

Display reuse-able dynamically fetched from the data source.

What makes our brand different

 Next day as standard <small>Order before 3pm and get your order the next day as standard</small>	 Made by true artisans <small>Handmade crafted goods made with real passion and craftsmanship</small>	 Unbeatable prices <small>For our materials and quality you won't find better prices anywhere</small>	 Recycled packaging <small>We use 100% recycled packaging to ensure our footprint is manageable</small>
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New ceramics



The Dandy chair
£149

The Silky Vase
£250

Vase Set
£150

The Lucky Lamp
£200

[View collection](#)

Our popular products



The Poplar suede sofa
£980



Green White Chair
£150



Yellow and White Chair
£320

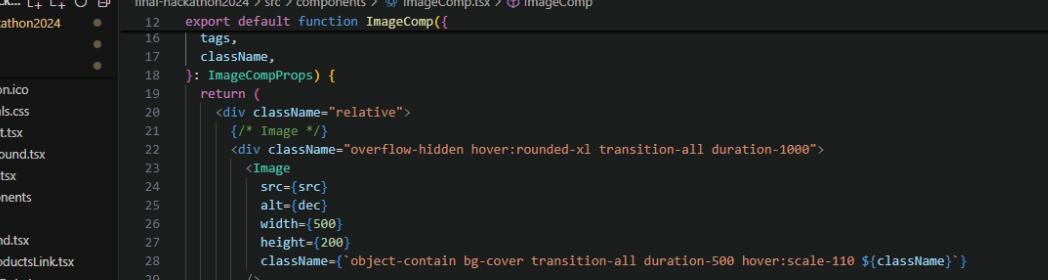
[View collection](#)

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5. Reuse-able Component Code:

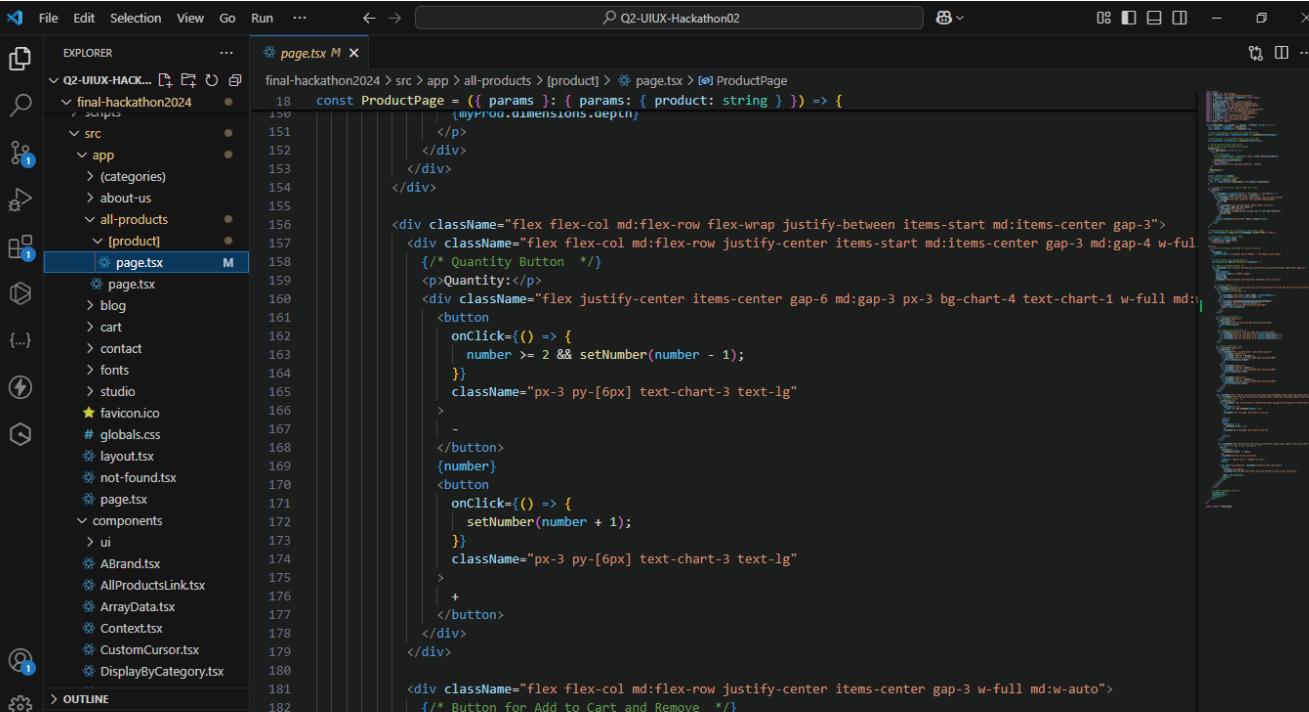


The screenshot shows a Microsoft Edge browser window with a React application loaded. The application has a dark-themed header with a logo and navigation links like Home, Products, About, and Contact. Below the header is a hero section with a large image and text. The main content area displays a grid of products with cards containing images, names, descriptions, and prices.

```
final-hackathon2024 > src > components > ImageComp.tsx
```

```
12 export default function ImageComp({  
13   tags,  
14   className,  
15 }: ImageCompProps) {  
16   return (  
17     <div className="relative">  
18       /* Image */  
19       <div className="overflow-hidden hover:rounded-xl transition-all duration-1000">  
20         <Image  
21           src={src}  
22           alt={dec}  
23           width={500}  
24           height={200}  
25           className={`object-contain bg-cover transition-all duration-500 hover:scale-110 ${className}`}  
26         />  
27       </div>  
28  
29       /* Description and Price */  
30       <h3 className="text-base md:text-lg lg:text-xl mt-2 md:mt-3">{dec}</h3>  
31       <p className="text-sm md:text-base lg:text-lg mt-0 md:mt-1">{prices}</p>  
32  
33       <span  
34         className={`absolute top-3 left-3 px-2 py-[3px] text-[12px] rounded-sm text-white inline-block  
35         ${tags === "New" ? "bg-orange-400" : ""}  
36         ${tags === "Best Seller" ? "bg-green-600" : ""}  
37         ${tags === "Discount" ? "bg-blue-500" : ""}  
38         ${tags === "Limited" ? "bg-purple-600" : ""}  
39         ${tags === "Sold" ? "bg-red-600" : ""}  
40       }>  
41         <p>{tags}</p>  
42       </span>  
43     </div>  
44   );  
45 };
```

6. Dynamic Component Code and File Structure:



File Edit Selection View Go Run ... ↶ ↷ 🔍 Q2-UIUX-Hackathon02

EXPLORER

Q2-UIUX-HACK... final-hackathon2024

src app (categories) about-us all-products [product] page.tsx page.tsx blog cart contact fonts studio favicon.ico # globals.css layout.tsx not-found.tsx page.tsx components ui ABrand.tsx AllProductsLink.tsx ArrayData.tsx Context.tsx CustomCursor.tsx DisplayByCategory.tsx

OUTLINE

TIMELINE

page.tsx M

```
final-hackathon2024 > src > app > all-products > [product] > page.tsx > ProductPage
18 const ProductPage = ({ params }: { params: { product: string } }) => {
19   return (
20     <p>{params.product}</p>
21     <div>
22       <div>
23         <div>
24           <div>
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47                                                         <div>
48               </div>
49             </div>
50           </div>
51         </div>
52       </div>
53     </div>
54   </div>
55 
```

7. Cart Component:

- Display added items, quantity, and total price.

The screenshot shows a shopping cart page from the website 'Avion'. At the top, there's a banner offering free delivery on orders over £50. The navigation bar includes links for 'About us', 'Contact', 'Blog', and a search function. Below the navigation is a category menu with links to 'All products', 'Plant pots', 'Ceramics', 'Tables', 'Chairs', 'Crockery', 'Tableware', and 'Cutlery'. The main content area is titled 'Your shopping cart' and lists two items:

Product	Quantity	Total
 The Dandy Chair The Dandy Chair is crafted with a combination of modern aesthetics and comfort, perfect for any living room or office space. It offers great style, durability, and cozy seating. £120	1	£120
 Rustic Vase Set This Rustic Vase Set adds a charming, earthy touch to your home. The handcrafted design and natural textures make it a beautiful statement piece for your living room or hallway. £80	1	£80

At the bottom of the cart summary, it says 'Subtotal £200' and 'Taxes and shipping are calculated at checkout'. A 'Go to checkout' button is visible. The footer of the page contains links for 'Menu', 'Categories', 'Our company', and a mailing list sign-up section. The footer also includes social media icons for LinkedIn, Facebook, Instagram, Snapchat, Twitter, and Pinterest, along with a copyright notice for 'Copyright 2022 Avion LTD'.

Key Learning Outcomes:

1. Build dynamic frontend components to display data from Sanity CMS or APIs.
2. Implement reusable and modular components.
3. Understand and apply state management techniques.
4. Learn the importance of responsive design and UX/UI best practices.
5. Prepare for real-world client projects by replicating professional workflows.