

Day 4

Dynamic Frontend Components

CozyWood Creations

Document Overview:

This report outlines the development of dynamic and responsive components for my e-commerce marketplace, **CozyWood Creations**. The document focuses on the following key features:

1. **Dynamic Product Fetching**
 - Fetching and displaying products dynamically from the API
2. **Category-Based Product Display**
 - Dynamically fetching and displaying products based on their categories.
3. **Single Product Display**
 - Displaying individual product details dynamically.
4. **Specialized Product Pages**
 - Creating components for **New Arrivals**, **Related Products**, and a comprehensive **Product List** page.
5. **Add to Cart Functionality**
 - Implementing a feature to add products to the shopping cart with quantity management.
6. **Wish list Feature**
 - Adding functionality for users to save products to a wish list.
7. **Header Component**
 - Designing and developing a dynamic, responsive header and navigation.
8. **Footer Component**
 - Building a responsive footer with links and additional information.

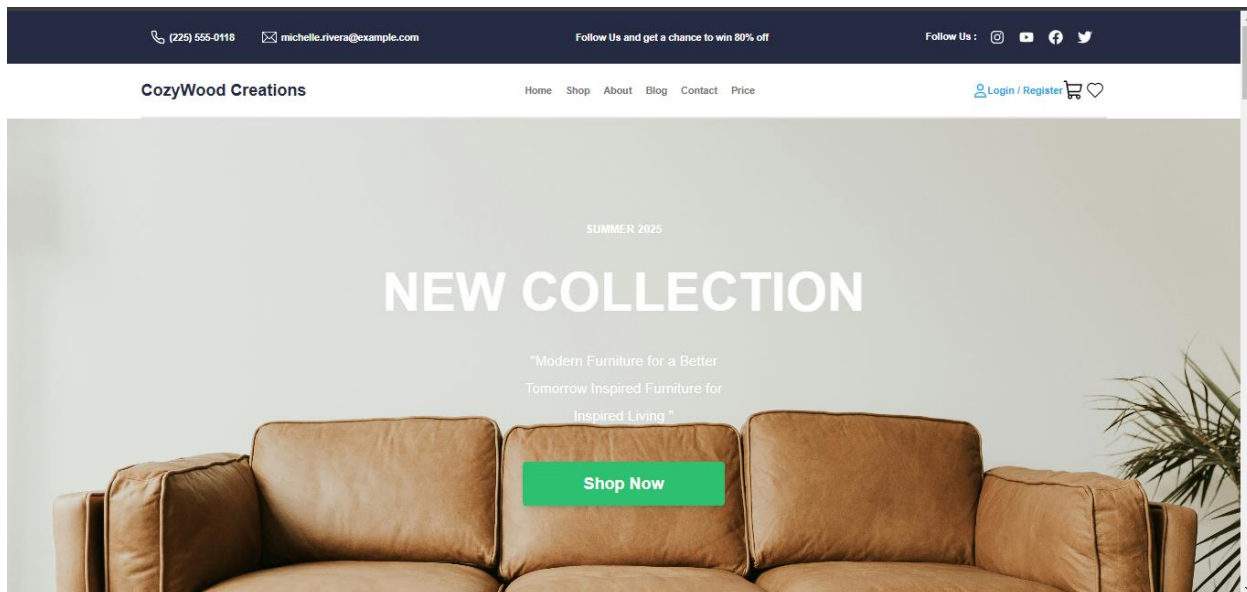
- **Frontend Home Page with Responsive**

- **Header:**

- **Navbar Navigation:** Each navbar item is linked to its respective page, ensuring smooth navigation across the website.
 - **Add to Cart:** A dedicated section allows users to view and manage items added to their cart.
 - **Wish list:** Users can access their wish list to view and manage saved products.

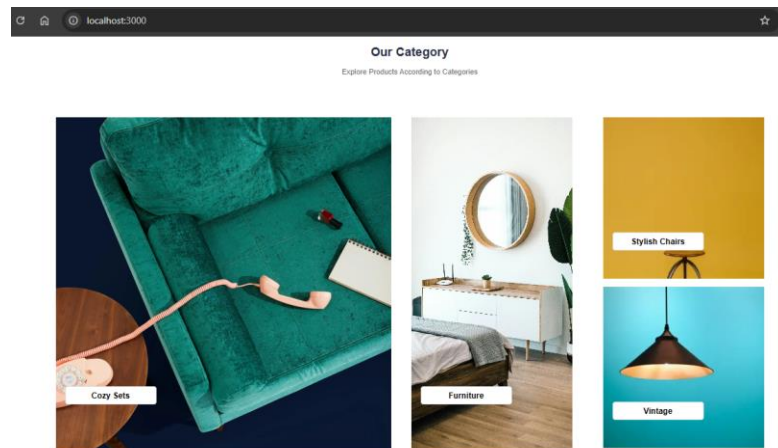
- **Hero Section:**

- **Shop Navigation:** The "Shop" button seamlessly directs users to the product page for browsing available items.

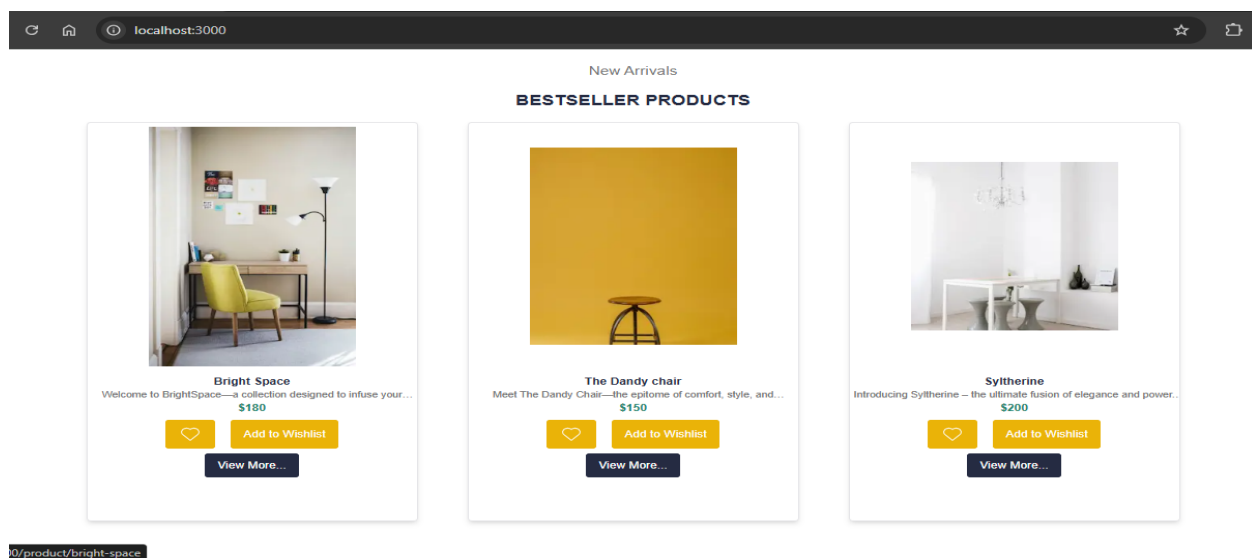


- **Category Section:**

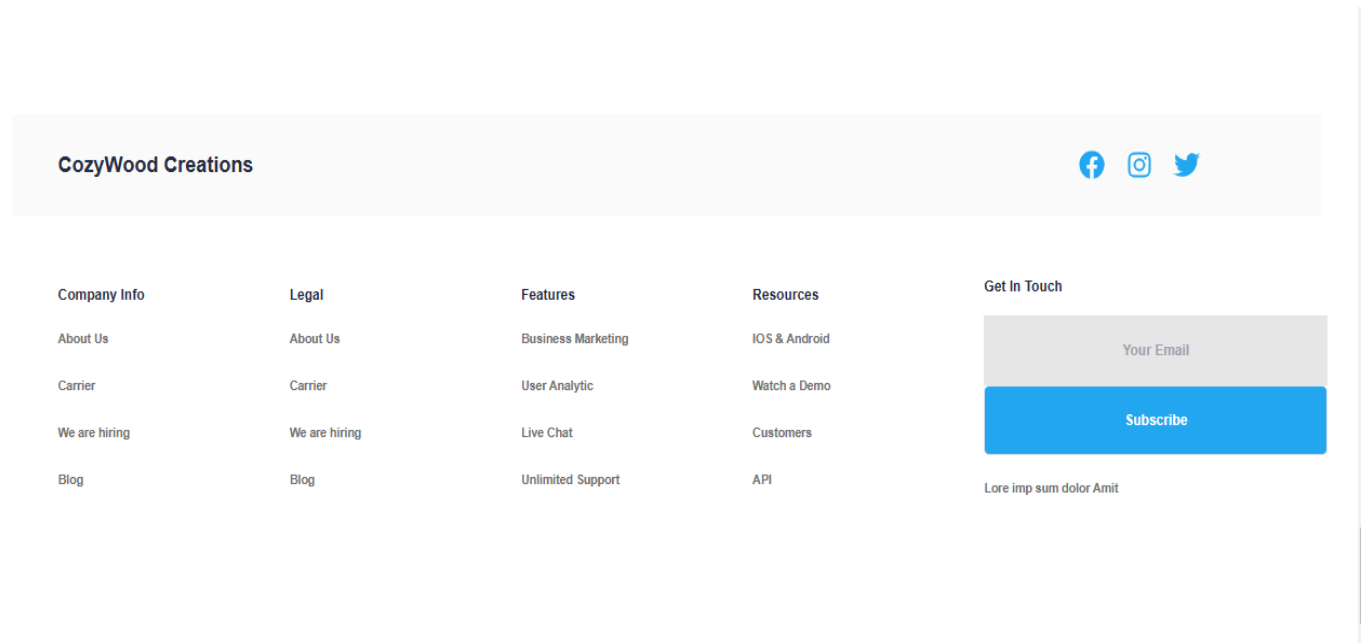
- The category section features four distinct categories.
- Each category dynamically navigates to its respective product section. For example, clicking on the "Furniture" button will display products specifically categorized under "Furniture."



- **New Arrival Section:**



- **Footer:**



1. Dynamic Product Fetching:

Product Page:

- Fetch data from the API
- Displayed products in responsive grid layout with names, price , Add to card button , wish list button, and view more button to show the detail of the product

CozyWood Creations

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Shop All Products



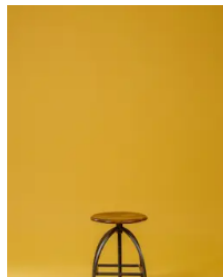
Bright Space

Welcome to BrightSpace—a collection designed to infuse your...

\$180



Add to Wishlist



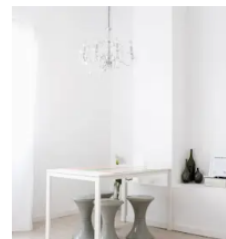
The Dandy chair

Meet The Dandy Chair—the epitome of comfort, style, and...

\$150



Add to Wishlist



Syltherine

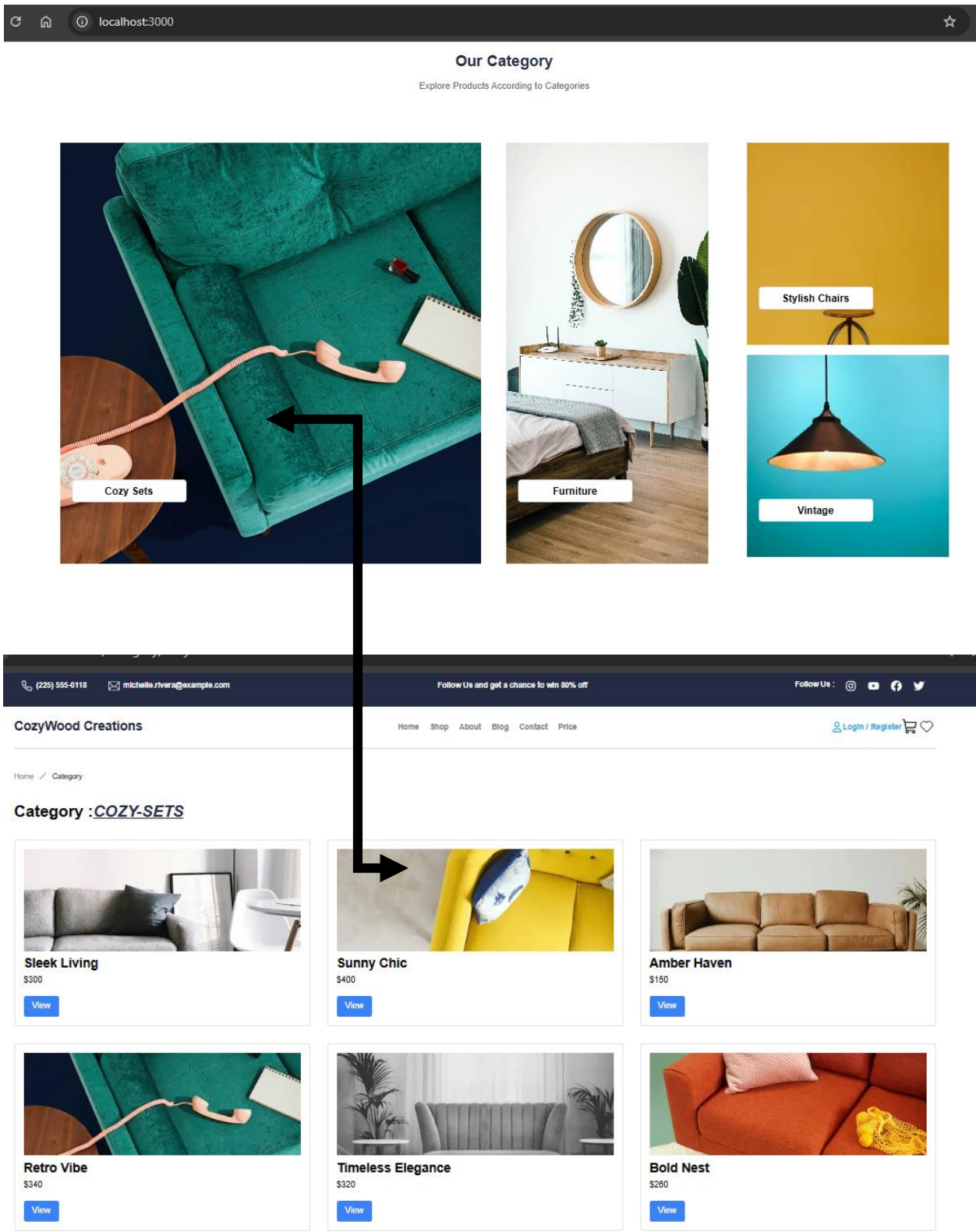
Introducing Syltherine – the ultimate fusion of elegance and power..

\$200



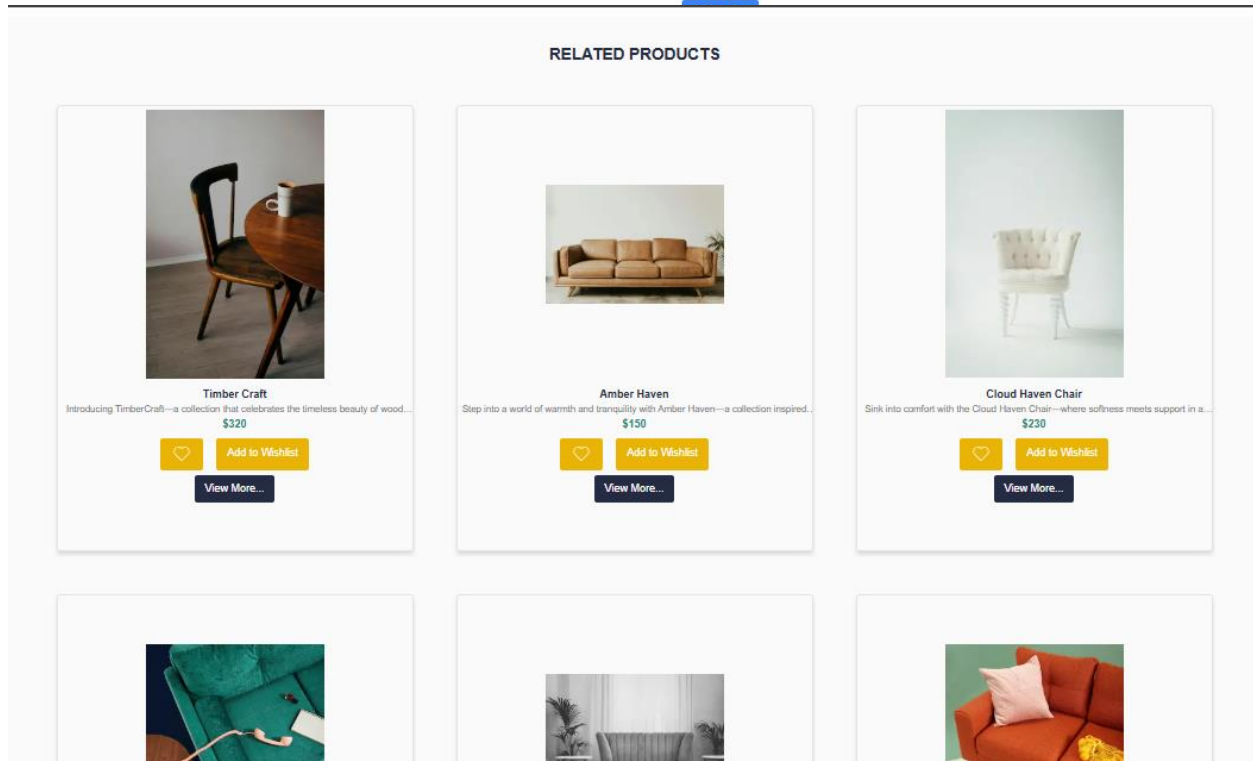
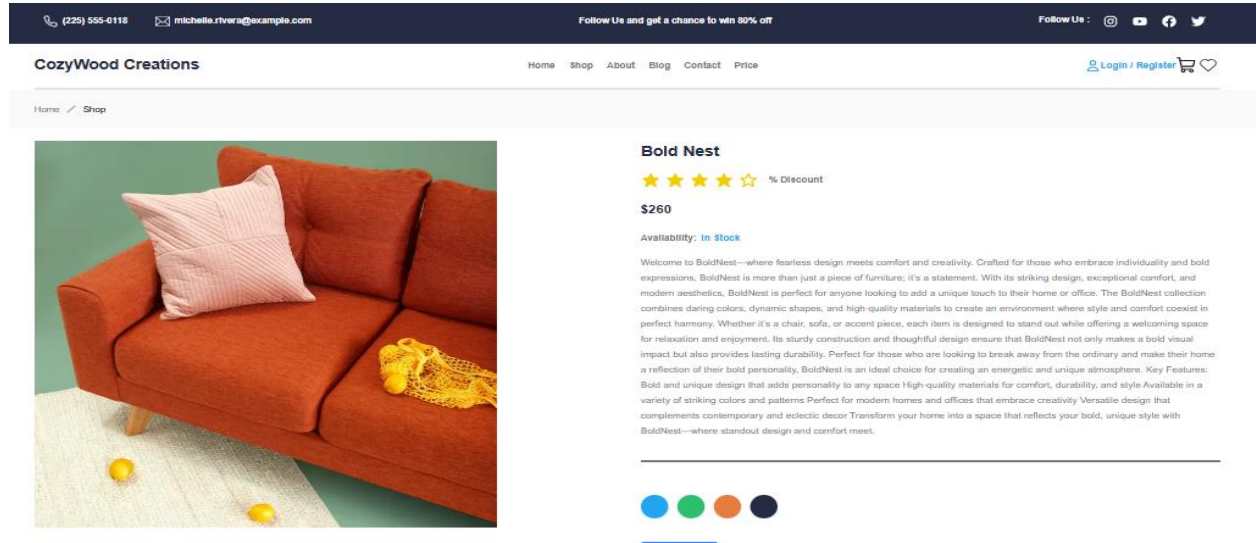
Add to Wishlist

Category Section:

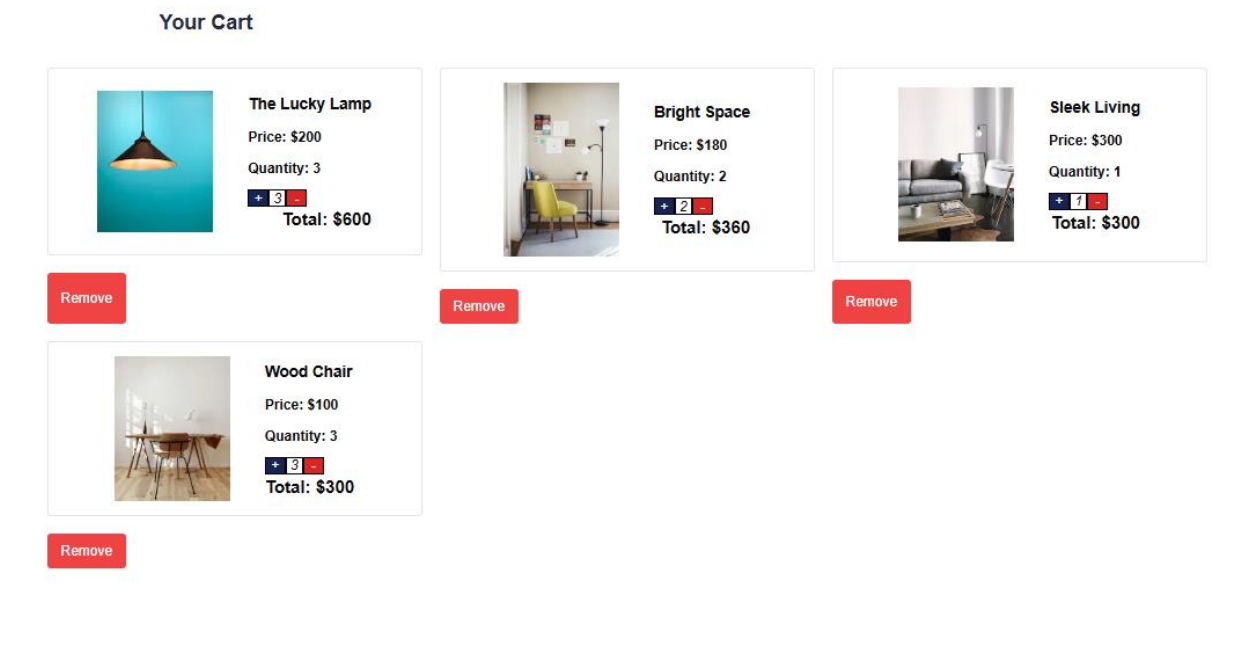
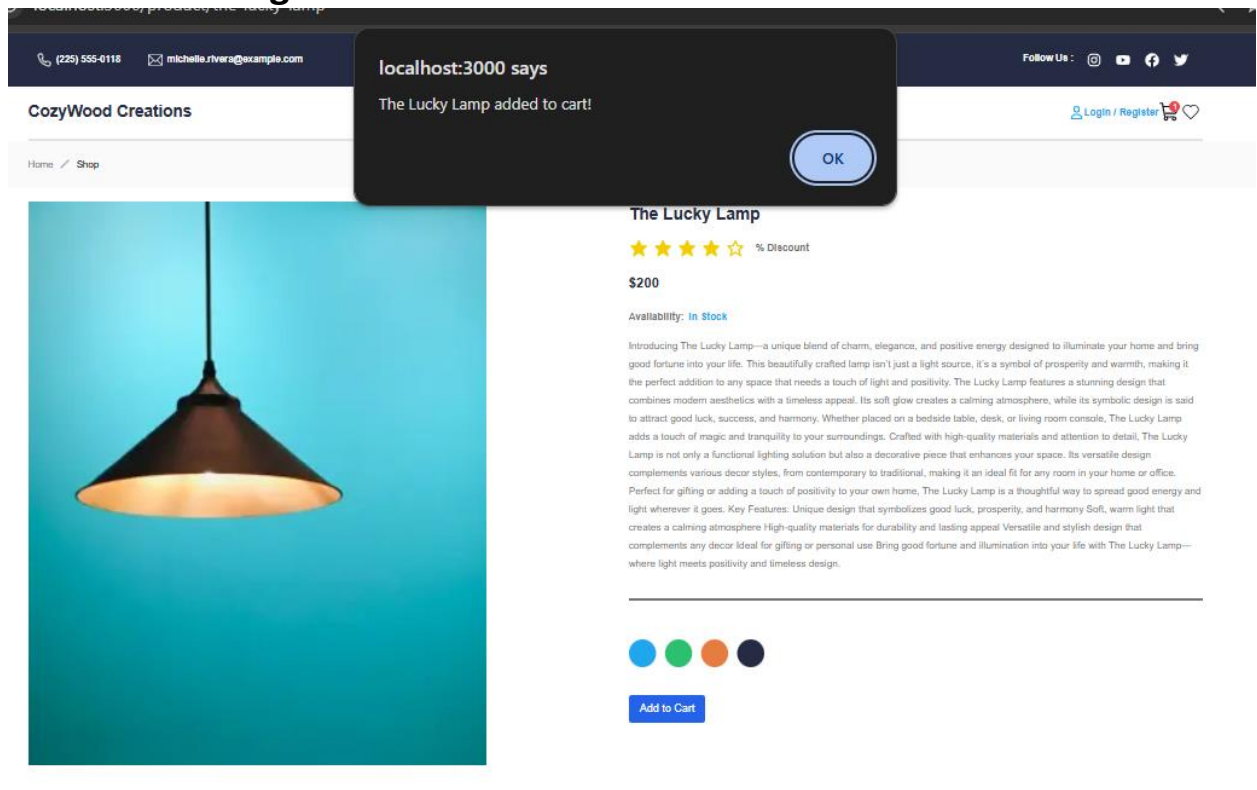


- **Product Detail Page**

- This page include Title image price of the selected product and also add to cart button
- This Page also include Related product section







- Add To Cart Page



- Wish List Page



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Bright Space
Welcome to BrightSpace—a collection designed to infuse your...
\$180



The Dandy chair
Meet The Dandy Chair—the epitome of comfort, style, and...
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Your Wishlist



Bright Space
\$180



The Lucky Lamp
\$200



Wood Chair
\$100

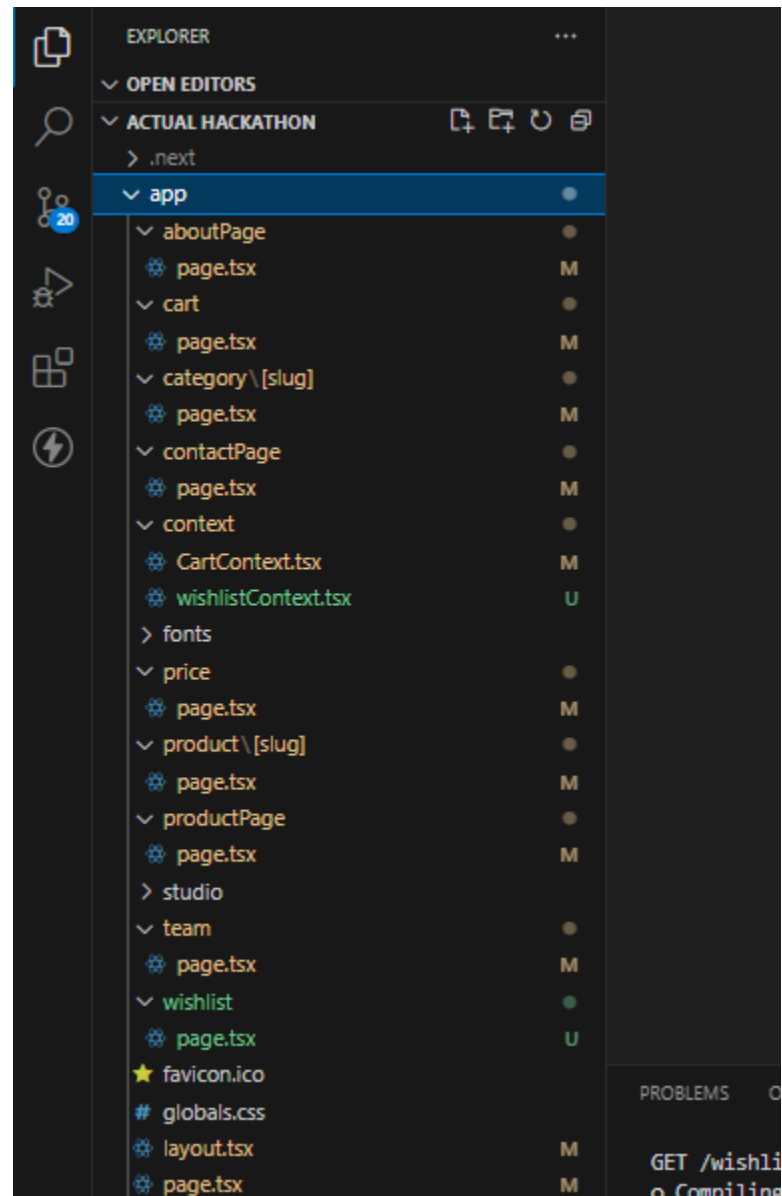
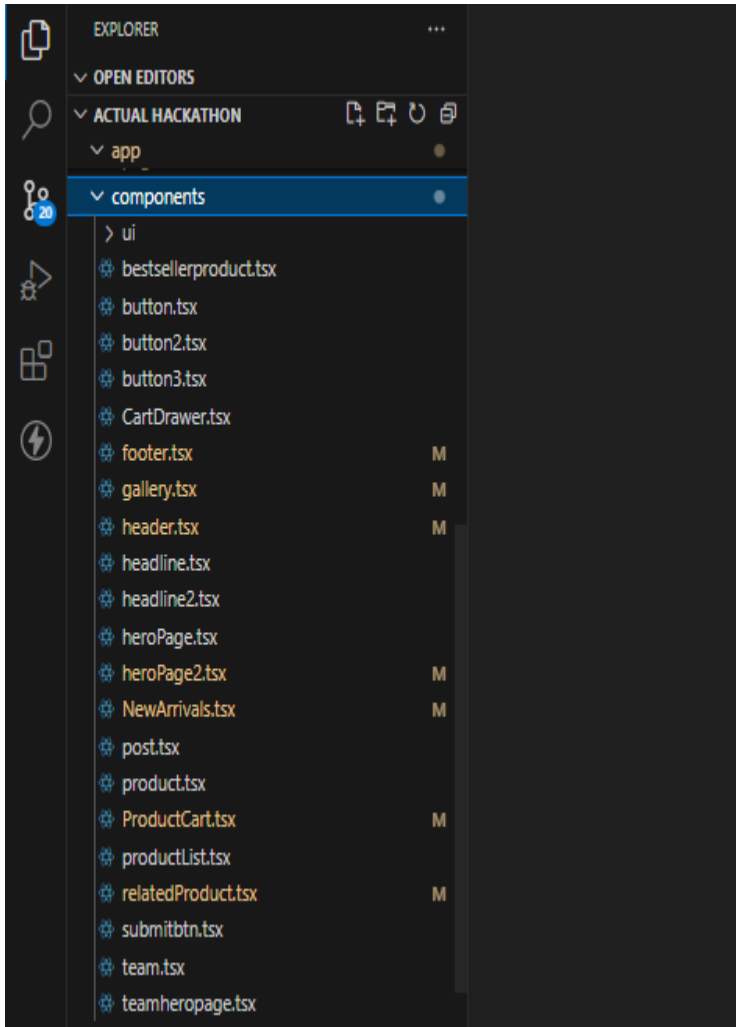


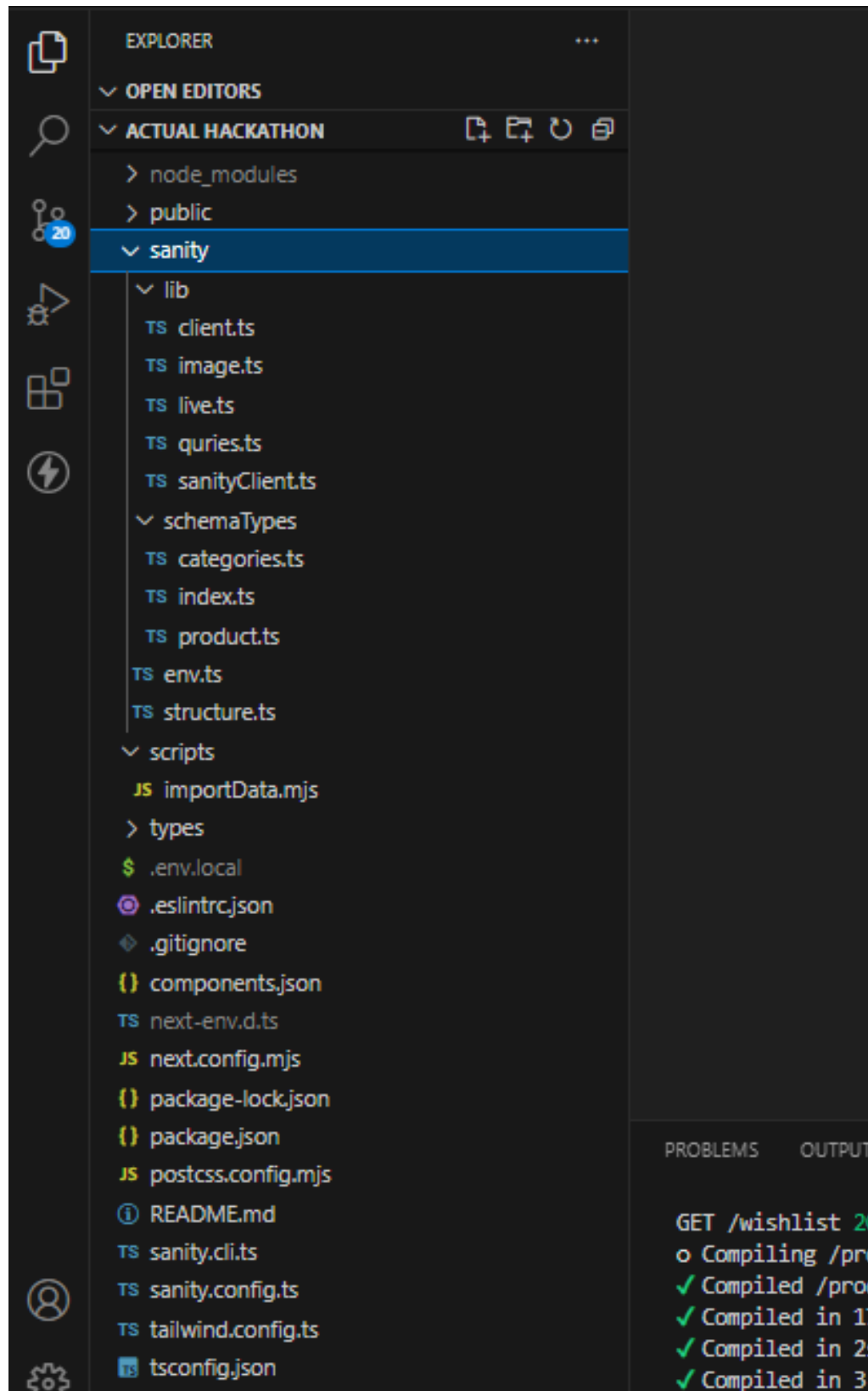
Black Sofa

Project Structure

The project includes a total of nine routes, two of which are dynamic. These routes are structured as follows:

1. **About Page**
 - Provides information about the marketplace and its purpose.
2. **Contact Page**
 - Features a contact form and essential details for customer support.
3. **Product Page**
 - Displays a list of all available products.
4. **Dynamic Product Detail Page**
 - Dynamically fetches and displays detailed information for a specific product based on its ID or slug.
5. **Dynamic Category Page**
 - Dynamically displays products filtered by their category when a specific category is selected.
6. **Pricing Page**
 - Showcases detailed pricing plans or information.
7. **Team Page**
 - Highlights the team behind the marketplace.
8. **Wishlist Page**
 - Allows users to view and manage their saved products.
9. **Add to Cart Page**
 - Displays items added to the cart with options to adjust quantities or proceed to checkout.





Self-Validation Test

- **Routing:** Each route has been tested to ensure it navigates correctly without errors.
- **Dynamic Functionality:** The dynamic product detail and category pages fetch and display relevant data based on user actions.
- **User Experience:** Navigation between routes is smooth, and essential components like the wishlist and cart are fully functional and responsive.
- **Error Handling:** Proper error handling is in place for scenarios like invalid product IDs or categories.

Self-Check List:

- **Functionality:**
 - ✓ Dynamic product listing
 - ✓ Product detail page
 - ✓ Dynamic Category page
 - ✓ Add to cart functionality
 - ✓ Wish list functionality
 - ✓ Header Footer components
- **Responsiveness:**
 - ✓ Responsive grid layout for product listing
 - ✓ UI design accurate in all pages
 - ✓ Mobile responsive
- **Code Quality:**
 - ✓ Modular and reusable components
 - ✓ Clean and organized code