Day 4 Implementation Report

Introduction: My furniture e-commerce website is designed with the purpose of providing customers a convenient platform to explore, rent, or purchase furniture online. The website aims to simplify the furniture shopping experience by offering a wide variety of styles and options tailored to different customer needs, such as home, office, or event-specific furniture.

Step2: Taken build and integrate Components

Front Development:

1. Component Structure Design

- Identify the main UI components required, such as:
    - **Header**: Logo, navigation menu, and search bar.
    - **Product Card**: Displays furniture details (image, name, price, etc.).
    - **Product List/Grid**: A collection of product cards.
    - **Filters/Sort Options**: Allows users to filter by category, price, or style.
    - **Cart/Checkout**: Displays selected items and manages purchases.
    - **Footer**: Includes links, contact information, and social media.

2. Create Reusable Components

- Use a front-end framework like **React**, **Next.js**, or **Angular** to build reusable components.
  Example: Create a `ProductCard` component and reuse it for all products.

3. Style Components

- Use **CSS frameworks** (like Tailwind CSS or Bootstrap) or write custom CSS/SCSS for styling.
- Ensure components are responsive for mobile, tablet, and desktop views.
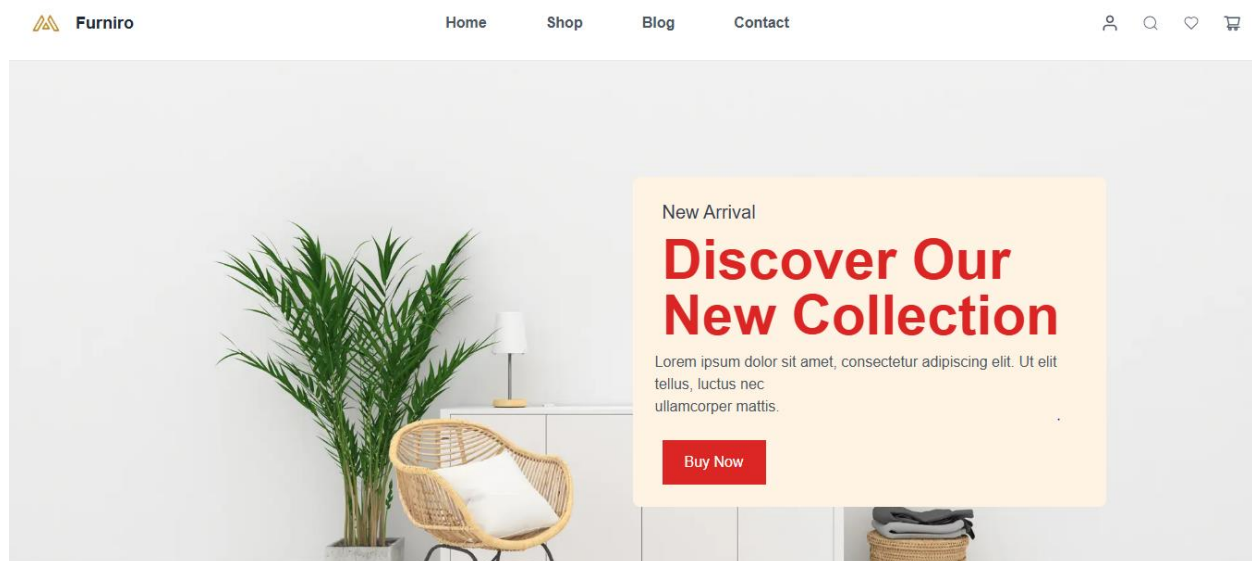
4. Integrate Components

- Combine all components to create complete pages, such as:
    - **Home Page**: Highlights featured furniture and categories.
    - **Product Page**: Shows detailed furniture information.

- o **Cart Page**: Displays items users have added.
- o **Checkout Page**: Allows users to finalize their orders.

5. Connect API Calls

- Use **AJAX** or libraries like **Axios**/`fetch` to connect components to APIs:
  - o Fetch product data to display in `ProductCard`.
  - o Submit cart data to the backend during checkout.

Home page

Rustic Vase Set

Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate ...

Rp 210

New Arrival **12% off** View Details

Timber Craft

Introducing TimberCraft—a collection that celebrates the timeless beauty of wood craftsmanship and t...

Rp 320

View Details

Amber Haven

Add to Cart

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glo...

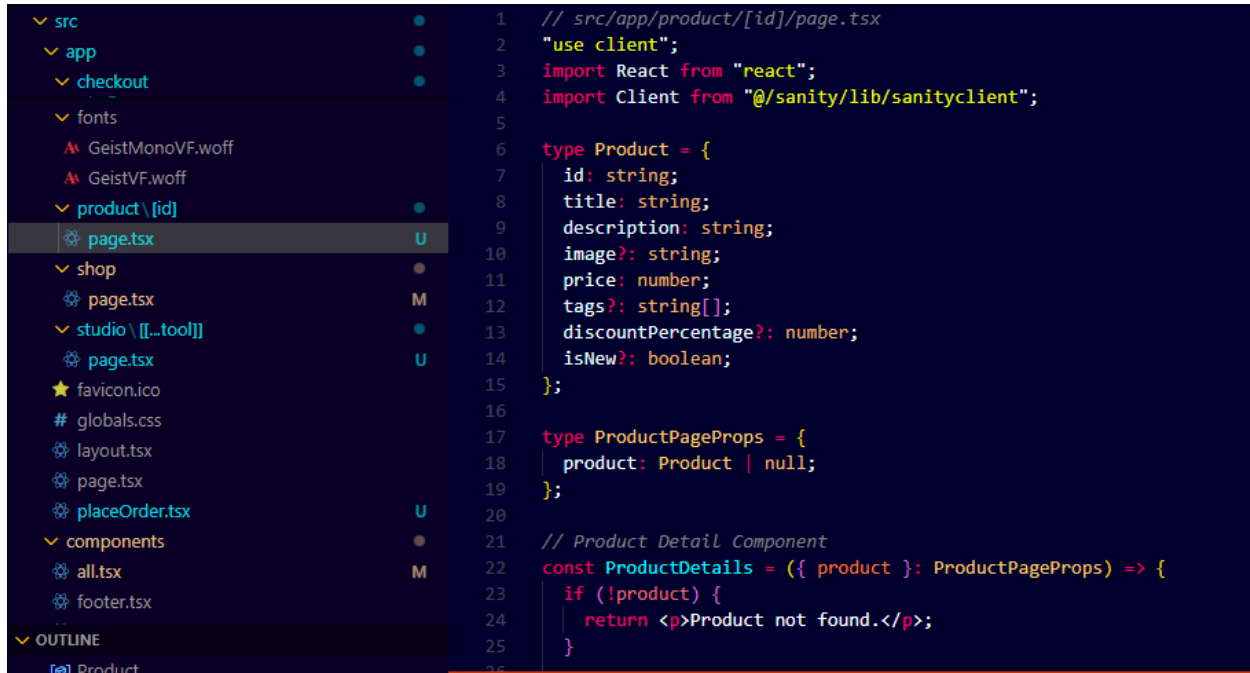Rp 150

New Arrival View Details

Cloud Haven Chair

Sink into comfort with the Cloud Haven Chair—where softness meets support in a beautifully designed ...

Rp 230

View Details

```tsx
src > components > product.tsx > [●] Product > [●] addToCart
  1   "use client";
  2   import React, { useEffect, useState } from "react";
  3   import Client from "@/sanity/lib/sanityclient";
  4   import Link from "next/link";
  5
  6   // Define the product type
  7   type Product = {
  8     id: string;
  9     title: string;
 10     description: string;
 11     image?: string;
 12     price: number;
 13     tags?: string[];
 14     discountPercentage?: number;
 15     isNew?: boolean;
 16     quantity?: number;
 17   };
 18
 19   const Product = () => {
 20     const [products, setProducts] = useState<Product[]>([]);
 21     const [cart, setCart] = useState<Product[]>([]);
 22     const [error, setError] = useState<string | null>(null);
 23     const [isClient, setIsClient] = useState(false);
 24     const [notification, setNotification] = useState<string | null>(null);
 25
 26     useEffect(() => {
```

PROBLEMS 2   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   SPELL CHECKER 2

Dynamic routing

```tsx
// src/app/product/[id]/page.tsx
"use client";
import React from "react";
import Client from "@/sanity/lib/sanityclient";

type Product = {
  id: string;
  title: string;
  description: string;
  image?: string;
  price: number;
  tags?: string[];
  discountPercentage?: number;
  isNew?: boolean;
};

type ProductPageProps = {
  product: Product | null;
};

// Product Detail Component
const ProductDetails = ({ product }: ProductPageProps) => {
  if (!product) {
    return <p>Product not found.</p>;
  }
}
```

File tree:
- src
  - app
    - checkout
    - fonts
      - GeistMonoVF.woff
      - GeistVF.woff
    - product \ [id]
      - page.tsx — U
    - shop
      - page.tsx — M
    - studio \ [[...tool]]
      - page.tsx — U
    - favicon.ico
    - globals.css
    - layout.tsx
    - page.tsx
    - placeOrder.tsx — U
  - components
    - all.tsx — M
    - footer.tsx
- OUTLINE
  - Product

Product 1

Rustic Vase Set

Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate timeless beauty and a warm, inviting atmosphere, this set of vases adds a touch of rustic elegance to any space. Crafted with care and attention to detail, these vases are designed to evoke the essence of vintage craftsmanship while seamlessly complementing both modern and traditional decor styles. The Rustic Vase Set features a collection of three uniquely designed vases, each with its own character. Their earthy tones, textured finishes, and artisanal touch capture the essence of the countryside, making them ideal for showcasing fresh flowers, dried arrangements, or simply as stand-alone decor pieces. Whether placed on a mantel, coffee table, or dining area, these vases effortlessly enhance the ambiance of your home. Made from high-quality materials, the Rustic Vase Set offers both style and durability. The natural, imperfect surfaces of the vases give them a distinct, hand-crafted appeal, ensuring that each set is one-of-a-kind. With their timeless design, these vases make a perfect gift for housewarmings, weddings, or any special occasion. Key Features: Set includes three uniquely designed rustic vases Crafted from high-quality materials with a natural, hand-crafted finish Perfect for displaying flowers, greenery, or as standalone decorative pieces Versatile design complements both modern and traditional interiors Ideal for gifting or personal use in any living space Add warmth and character to your home with the Rustic Vase Set—where classic design meets natural beauty.

Rp 210

New Arrival   12% Off

Product 2

Timber Craft

Introducing TimberCraft—a collection that celebrates the timeless beauty of wood craftsmanship and the art of nature's finest materials. Inspired by the rustic charm and durability of natural wood, TimberCraft brings warmth, character, and a touch of handcrafted elegance to any space. Perfect for those who value authenticity and sustainability, this collection combines the strength of timber with refined design, making it the ideal choice for modern and traditional homes alike. Each piece in the TimberCraft collection is meticulously crafted to highlight the unique grains and textures of the wood, bringing an organic, earthy feel to your space. Whether you're looking for furniture, decor, or accents, TimberCraft offers a variety of beautifully designed pieces that blend rustic appeal with contemporary sophistication. The collection is designed to stand the test of time, with materials chosen for their durability and lasting beauty. TimberCraft is perfect for those who appreciate quality, craftsmanship, and the enduring beauty of wood. From striking tables and chairs to decorative accessories, this collection adds a natural elegance to any room, transforming your living area into a warm and welcoming retreat. Key Features: Made from high-quality, sustainable timber for durability and lasting appeal Rustic yet refined design that complements both modern and traditional interiors Unique wood grains and textures that bring natural beauty to your space Expert craftsmanship that highlights the authenticity of each piece Perfect for creating a cozy, earthy atmosphere in any room Bring the timeless charm of nature into your home with TimberCraft—where the beauty of wood meets masterful craftsmanship, creating lasting pieces that stand out in both style and substance.

Rp 320

Product 3

Amber Haven

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glow and timeless beauty of amber. This sophisticated line combines the soothing hues of amber with elegant, contemporary design to create a space that feels both welcoming and luxurious. Ideal for those seeking a serene escape, Amber Haven infuses your home with a sense of calm, warmth, and understated elegance. Crafted with high-quality materials and a keen eye for detail, each piece in the Amber Haven collection is designed to evoke feelings of comfort and relaxation. The soft, amber-toned accents, paired with sleek lines and refined craftsmanship, bring a touch of nature's beauty into your home. Whether you're furnishing your living room, bedroom, or dining space, Amber Haven creates an inviting atmosphere that radiates peace and sophistication. The collection's warmth and versatility allow it to seamlessly integrate into various décor styles, from modern to traditional, making it a perfect choice for those who love both timeless elegance and contemporary flair. Amber Haven offers a sanctuary of comfort and luxury, where every piece is designed to enhance your home and your well-being. Key Features: Warm amber tones and elegant design create a cozy, inviting ambiance High-quality craftsmanship and materials ensure durability and long-lasting appeal Versatile style complements a variety of interior designs, from modern to traditional Perfect for creating a serene and luxurious space in any room Ideal for those seeking a combination of beauty, comfort, and sophistication Bring the golden glow of Amber Haven into your home—where warmth, luxury, and timeless design come together to create a peaceful and elegant retreat.

Rp 150

New Arrival

Product 4

Cloud Haven Chair

Sink into comfort with the Cloud Haven Chair—where softness meets support in a beautifully designed piece that feels like a personal retreat. Inspired by the gentle, calming presence of clouds, this chair offers an ultra-comfortable, inviting experience that lets you relax and unwind, making it the perfect addition to any living room, bedroom, or cozy nook. The Cloud Haven Chair is crafted with premium materials that create a plush, cloud-like seating experience. Its luxurious cushioning provides gentle support, cradling you in comfort while the ergonomic design ensures the perfect balance between relaxation and posture. The chair's sleek, modern lines and soft, neutral tones blend seamlessly into any decor, adding a touch of sophistication and tranquility to your space. Whether you're enjoying a good book, meditating, or simply relaxing after a long day, the Cloud Haven Chair creates a peaceful sanctuary where you can escape into serenity. Its durable construction guarantees lasting comfort and style, while its cloud-inspired design brings a sense of lightness and ease to your home. Key Features: Ultra-soft, cloud-like cushioning for a relaxing seating experience Ergonomically designed for optimal comfort and support Sleek, modern design that complements a variety of home decor styles Crafted from high-quality materials for durability and long-lasting comfort Perfect for creating a peaceful, inviting space in any room Transform your living space into a serene haven with the Cloud Haven Chair—where comfort and style come together to create the ultimate relaxation experience.

Rp 230

cloud   chair   comfy   home decor   modern furniture

Backend development

we are implementing user authentication and authorization using GitHub and Google OAuth. This allows users to securely sign in and access personalized features with their GitHub or Google accounts.

Payment Gateway Integration

we are implementing user authentication and authorization using GitHub and Google OAuth. This allows users to securely sign in and access personalized features with their GitHub or Google accounts.

Components integration

We are integrating front-end components like the navigation bar, product listings, filters, cart, and checkout into a seamless system. Each component communicates effectively, ensuring smooth navigation and functionality across the website.