

# Day 4 - Building Dynamic Frontend Components for Your Marketplace

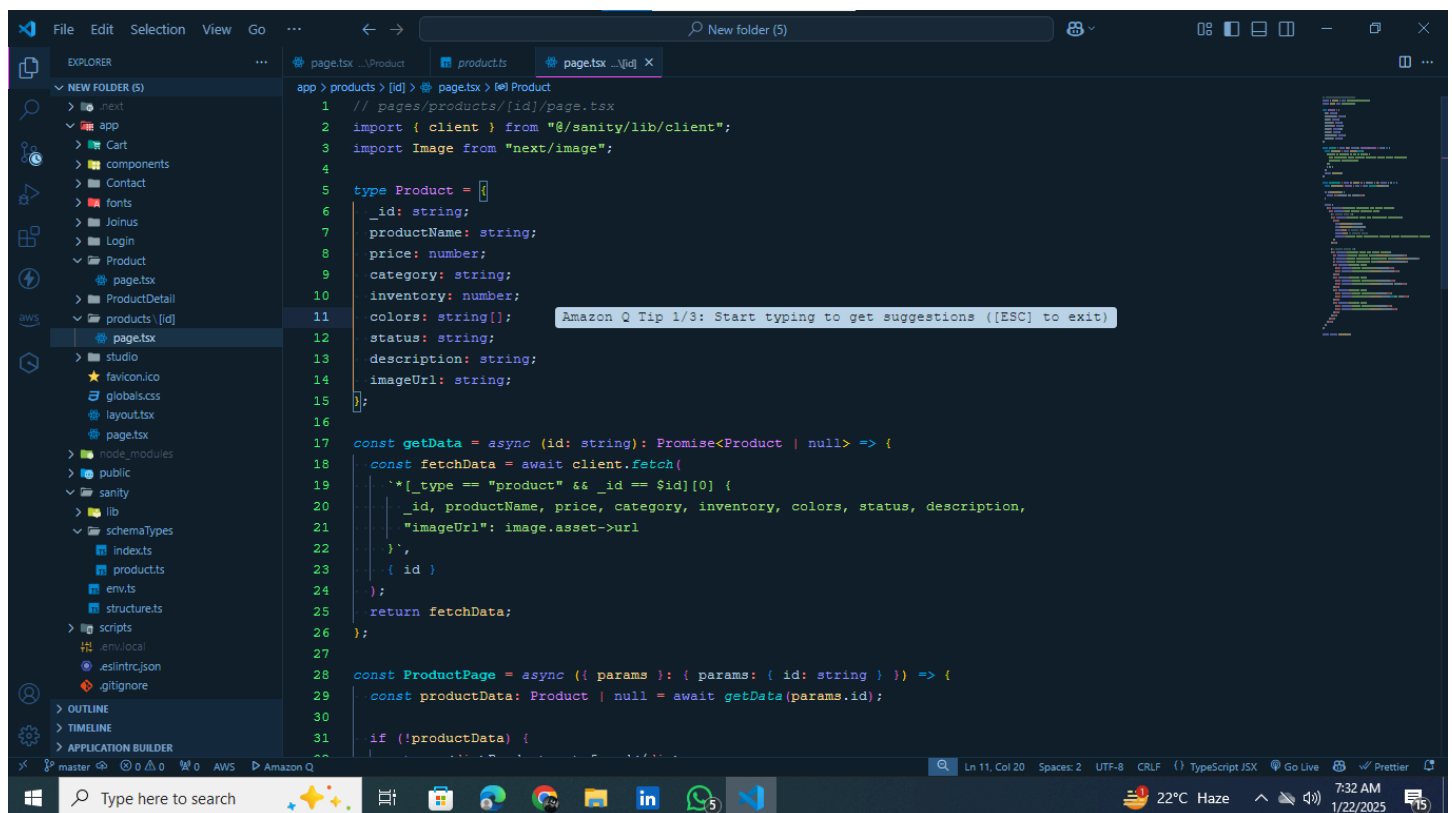
## Overview:

This Nike e-commerce website is being transformed into a fully dynamic platform to provide an engaging and seamless user experience. The aim is to leverage modern web development techniques and integrate dynamic features to enhance functionality, performance, and scalability.

Key Features of the Dynamic Website:

### 1. Dynamic Product Listings:

- Products are fetched in real-time using APIs, ensuring up-to-date inventory and pricing information.
- Users can explore various categories, sizes, and styles dynamically loaded from the backend.



The screenshot shows a Visual Studio Code editor window with a file explorer on the left and a code editor in the center. The file explorer shows a project structure with folders like 'app', 'components', 'fonts', 'Joinus', 'Login', 'Product', 'ProductDetail', 'products', 'studio', 'globals.css', 'layout.tsx', 'page.tsx', 'products', 'scripts', 'env.local', 'eslint.config', and 'gitignore'. The code editor displays a TypeScript file named 'page.tsx' with the following content:

```
1 // pages/products/[id]/page.tsx
2 import { client } from "@sanity/lib/client";
3 import Image from "next/image";
4
5 type Product = {
6   _id: string;
7   productName: string;
8   price: number;
9   category: string;
10  inventory: number;
11  colors: string[];
12  status: string;
13  description: string;
14  imageUrl: string;
15 };
16
17 const getData = async (id: string): Promise<Product | null> => {
18   const fetchData = await client.fetch(
19     `*[_type == "product" && _id == $id][0] {
20       _id, productName, price, category, inventory, colors, status, description,
21       "imageUrl": image.asset->url
22     }`,
23     { id }
24   );
25   return fetchData;
26 };
27
28 const ProductPage = async ({ params }: { params: { id: string } }) => {
29   const productData: Product | null = await getData(params.id);
30
31   if (!productData) {
```

A tooltip is visible over the code, displaying the text: "Amazon Q Tip 1/3: Start typing to get suggestions ([ESC] to exit)".

