

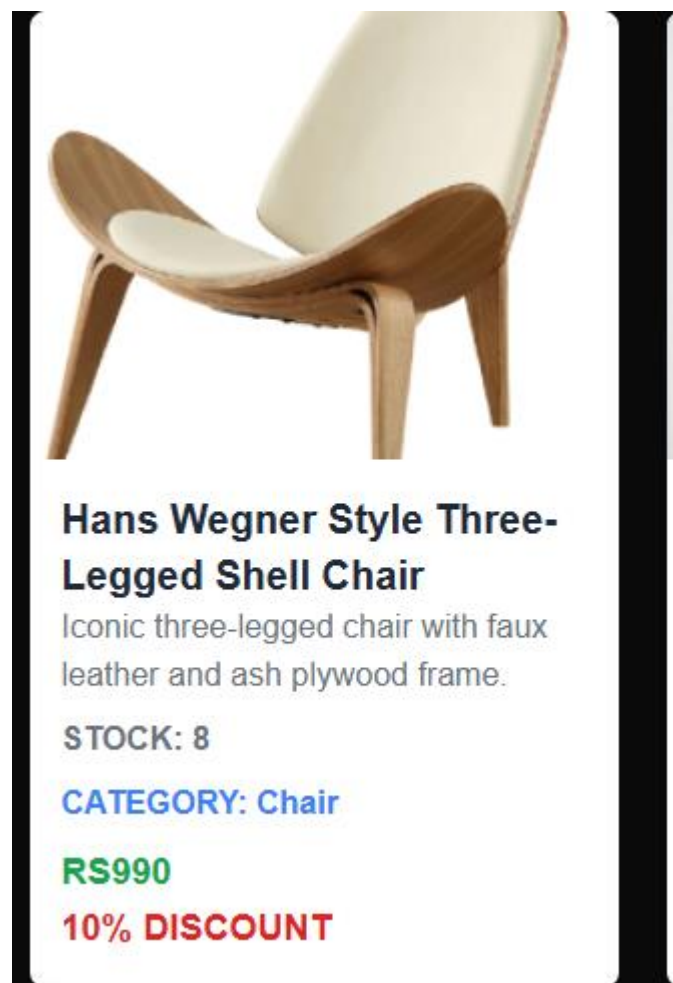
# DAY 4

**1. Setup:** • Ensure your Next.js project is connected to Sanity CMS or your chosen API. • Test data fetching to confirm availability.

**2. Build Components:**

## SEARCH BAR:

- Implement search functionality to filter products by name or tags.



```
MY-NEXT-APP
> .next
> node_modules
> public
  > src/app
    > api
      favicon.ico
      # globals.css
      layout.tsx
      page.tsx
      .env.local
      .gitignore
      eslint.config.mjs
      next-env.d.ts
      next.config.ts
      package-lock.json
      package.json
      postcss.config.mjs
      README.md
      sanityClient.js
      tailwind.config.ts
      tsconfig.json

OUTLINE
TIMELINE

src > app > page.tsx > Page > products.map() callback
1  import client from '../sanityClient';
2
3  export default async function Page() {
4    // Fetch products data directly inside the component
5    const products = await client.fetch('*[_type == 'product']');
6
7    return (
8      <div className="container mx-auto px-4 py-6">
9        <h1 className="text-4xl font-bold text-center mb-6">Products</h1>
10       <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-6">
11         {products.map((product: any) => (
12           <div key={product.id} className="bg-white rounded-lg shadow-lg overflow-hidden">
13             <img
14               src={product.imagePath}
15               alt={product.name}
16               className="w-full h-56 object-cover"
17             />
18             <div className="p-4">
19               <h2 className="text-xl font-semibold text-gray-800">{product.name}</h2>
20               <p className="text-gray-500 mb-2">{product.description}</p>
21               <p className="text-gray-500 font-semibold mb-2">STOCK: {product.stockLevel}</p>
22               <p className="text-blue-500 font-semibold mb-2">CATEGORY: {product.category}</p>
23               <h3 className="text-lg font-semibold text-green-600">RS{product.price}</h3>
24               <h3 className="text-lg font-semibold text-red-600">{product.discountPercentage}% DISCO
25             </div>
26           </div>
27         ))}
28       </div>
29     </div>
30   );
31 }
32
```


## API FETCHING:

```
MY-NEXT-APP
> .next
> node_modules
> public
  > src/app
    > api/fetch-and-insert
      TS routes.ts
      favicon.ico
      # globals.css
      layout.tsx
      page.tsx
      .env.local
      .gitignore
      eslint.config.mjs
      next-env.d.ts
      next.config.ts
      package-lock.json
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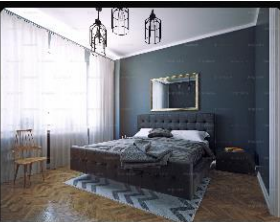
OUTLINE
TIMELINE

src > app > api > fetch-and-insert > TS routes.ts > GET
1  import { NextResponse } from 'next/server';
2  import axios from 'axios';
3  import client from '../sanityClient';
4
5  export async function GET() {
6    try {
7      // Fetch data from the API
8      const { data } = await axios.get('https://template-0-beta.vercel.app/api/product');
9
10     // Insert each product into Sanity
11     for (const product of data) {
12       await client.create({
13         _type: 'product',
14         id: product.id,
15         name: product.name,
16         imagePath: product.imagePath,
17         price: parseFloat(product.price),
18         description: product.description,
19         discountPercentage: product.discountPercentage,
20         isFeaturedProduct: product.isFeaturedProduct,
21         stockLevel: product.stockLevel,
22         category: product.category,
23       });
24     }
25
26     return NextResponse.json({ message: 'Data inserted successfully!' }, { status: 200 });
27   } catch (error) {
28     console.error(error);
29     return NextResponse.json({ error: 'Failed to fetch or insert data' }, { status: 500 });
30   }
31 }
32
```


CATEGORY:




**Solid Bed**  
Durable and lightweight plastic chair for everyday use.  
STOCK: 100  
CATEGORY: [Bed](#)  
RS100  
25% DISCOUNT



**Luxury Flower Bed**  
A luxurious shell-shaped chair with gold brass metal legs.  
STOCK: 2  
CATEGORY: [Bed](#)  
RS2500  
0% DISCOUNT




**High Quality Modern Sofa**  
A simple and lightweight chair ideal for dining or casual use.  
STOCK: 50  
CATEGORY: [Sofa](#)  
RS150  
0% DISCOUNT




**Alpha Table**  
A sturdy oak chair with a sleek and minimalist design.  
STOCK: 18  
CATEGORY: [Table](#)  
RS900  
10% DISCOUNT


PRODUCT DESCRIPTION:




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