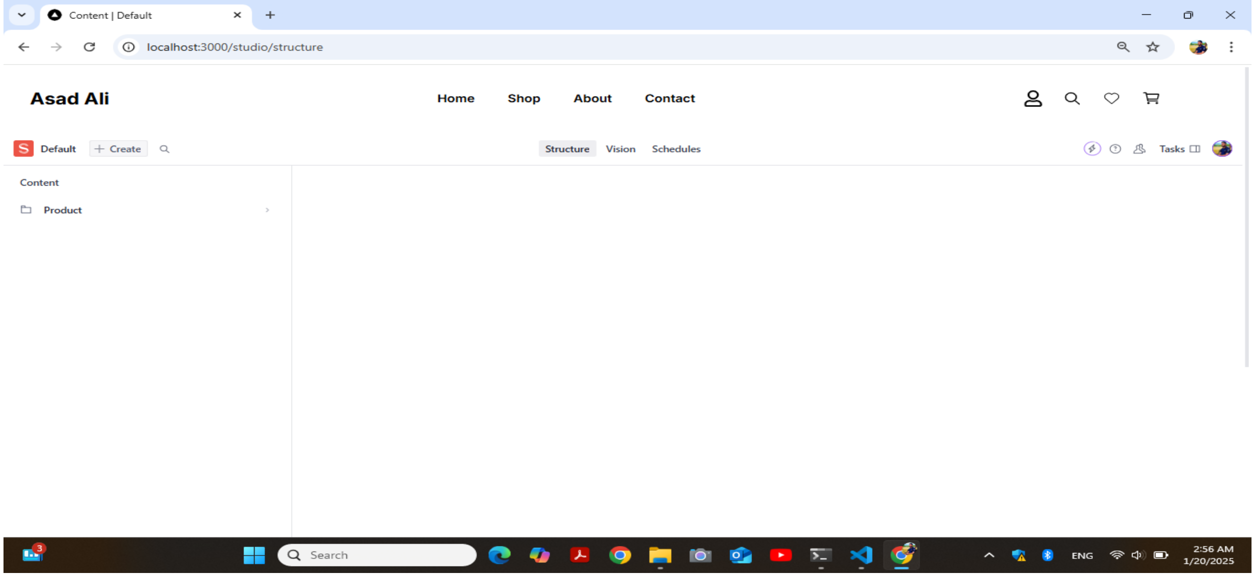
Prepared By ASAD ALI

Student of GIAIC

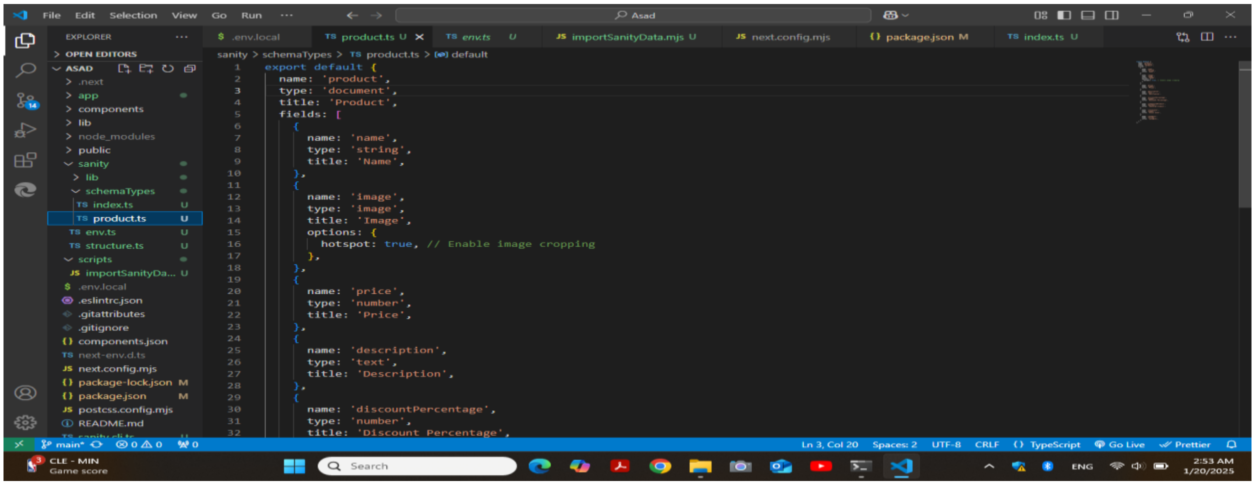
Day 3

Marketplace Type: General E-Commerce Furniture Website

1.Created Sanity Project

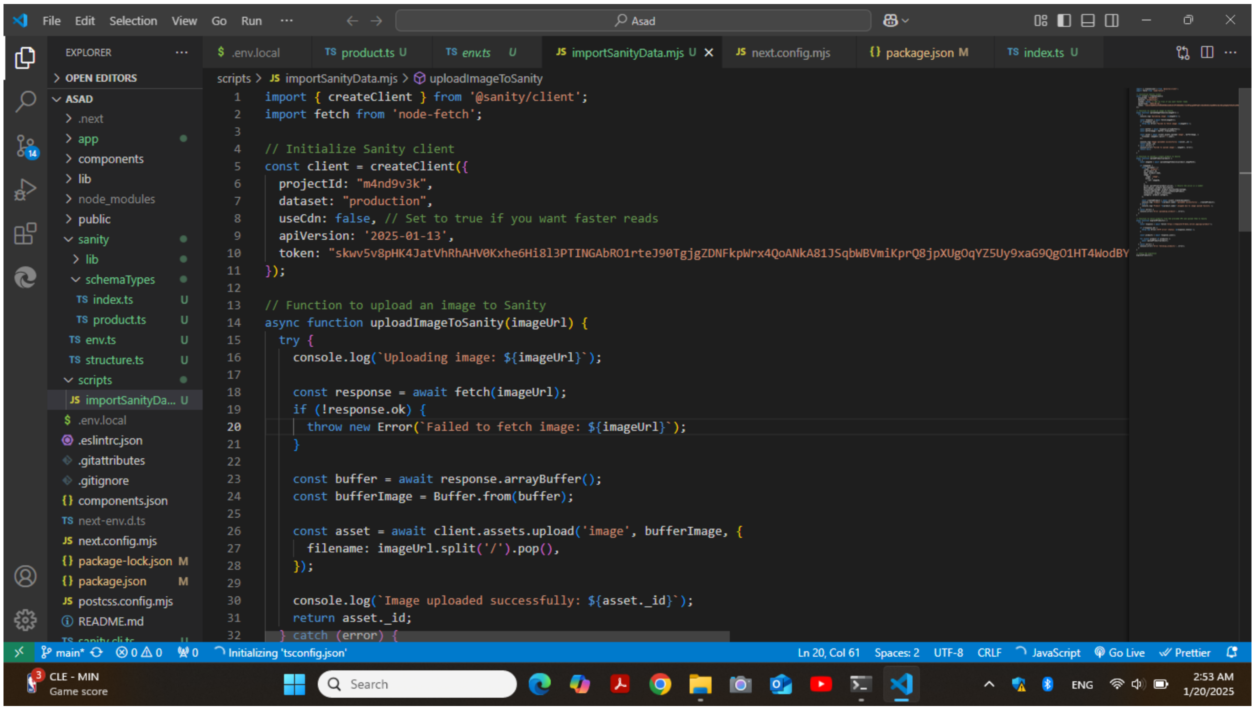


2. Define Schema



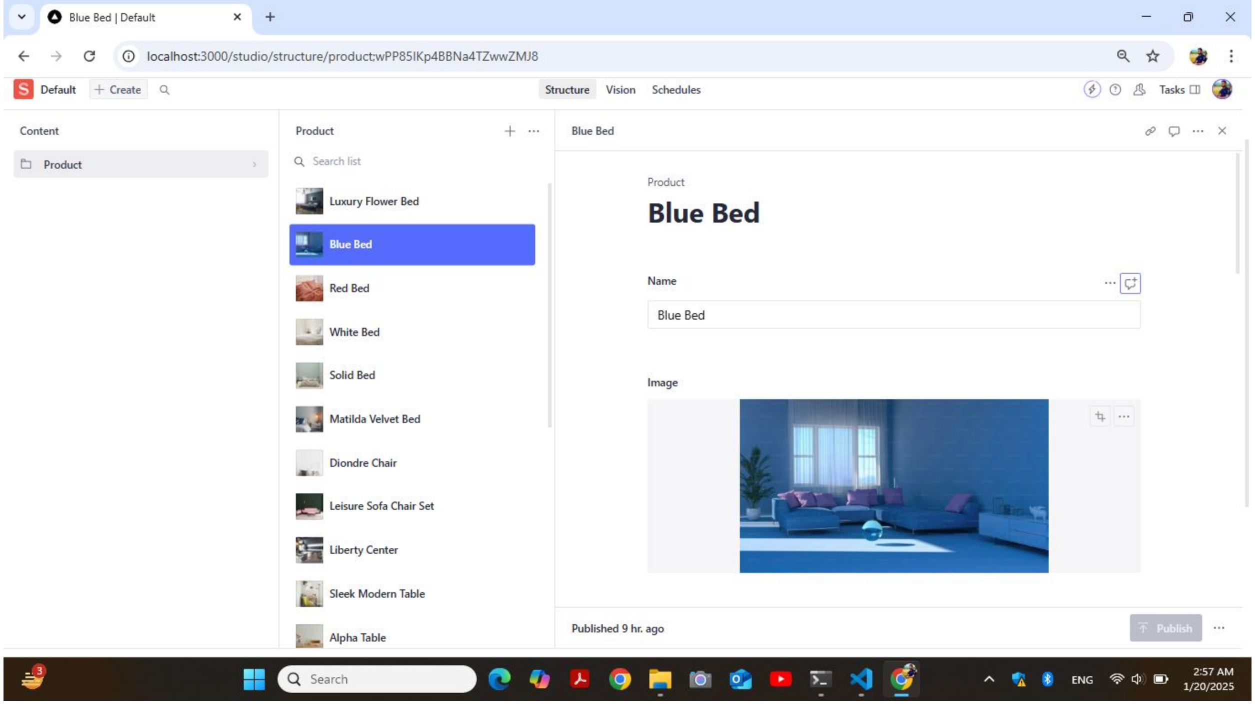
```
export default {
  name: 'product',
  type: 'document',
  title: 'Product',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Name',
    },
    {
      name: 'image',
      type: 'image',
      title: 'Image',
      options: {
        hotspot: true, // Enable image cropping
      },
    },
    {
      name: 'price',
      type: 'number',
      title: 'Price',
    },
    {
      name: 'description',
      type: 'text',
      title: 'Description',
    },
    {
      name: 'discountPercentage',
      type: 'number',
      title: 'Discount Percentage',
```

3.API



```javascript
import { createClient } from '@sanity/client';
import fetch from 'node-fetch';

// Initialize Sanity client
const client = createClient({
  projectId: "m4nd9v3k",
  dataset: "production",
  useCdn: false, // Set to true if you want faster reads
  apiVersion: '2025-01-13',
  token: "skwv5v8pHK4JatVhRhAHV0Kxhe6Hi8l3PTINGAbRO1rteJ90TgjgZDNFkpWrx4QoANkA81JSqbWBVmiKprQ8jpXUgOqYZ5Uy9xaG9QgO1HT4WodBY
});

// Function to upload an image to Sanity
async function uploadImageToSanity(imageUrl) {
  try {
    console.log(`Uploading image: ${imageUrl}`);

    const response = await fetch(imageUrl);
    if (!response.ok) {
      throw new Error(`Failed to fetch image: ${imageUrl}`);
    }

    const buffer = await response.arrayBuffer();
    const bufferImage = Buffer.from(buffer);

    const asset = await client.assets.upload('image', bufferImage, {
      filename: imageUrl.split('/').pop(),
    });

    console.log(`Image uploaded successfully: ${asset._id}`);
    return asset._id;
  } catch (error) {
```

4.Data import in Sanity



Product

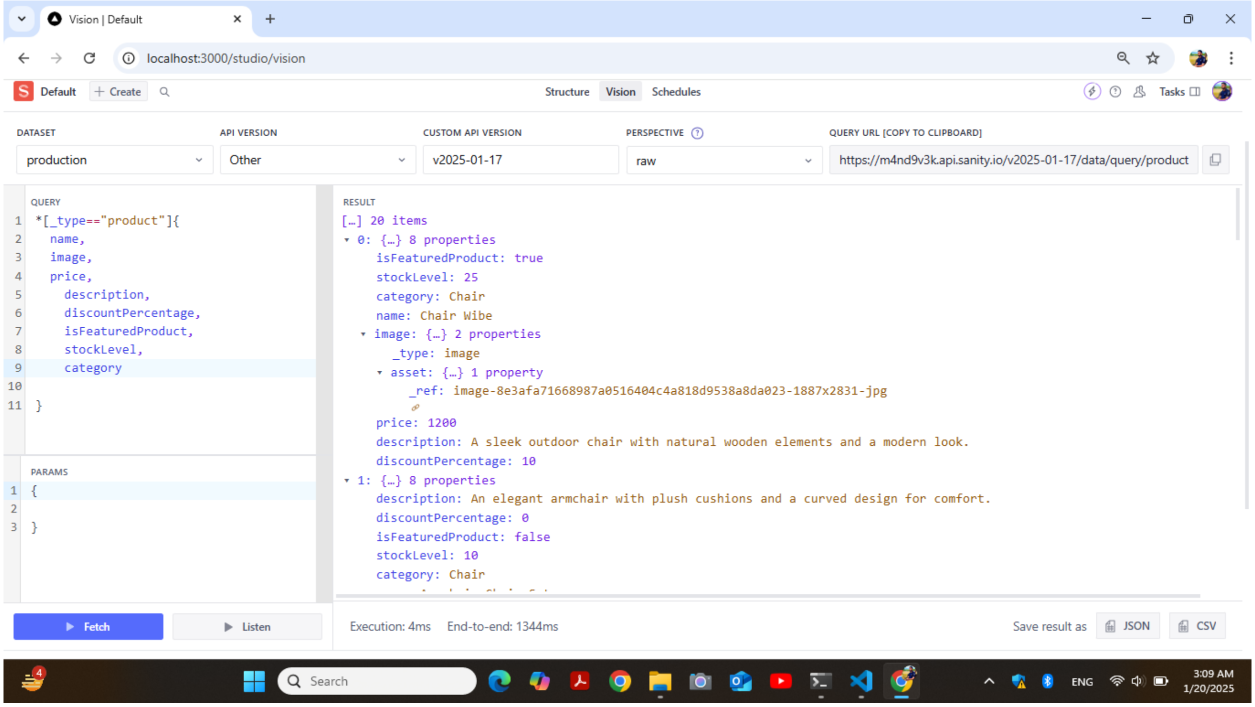
Blue Bed

Name

Blue Bed

Image

5. GROQ Query



DATASET: production
API VERSION: Other
CUSTOM API VERSION: v2025-01-17
PERSPECTIVE: raw
QUERY URL [COPY TO CLIPBOARD]: https://m4nd9v3k.api.sanity.io/v2025-01-17/data/query/product

QUERY

```
*[_type=="product"]{
  name,
  image,
  price,
    description,
    discountPercentage,
    isFeaturedProduct,
    stockLevel,
    category

}
```

PARAMS

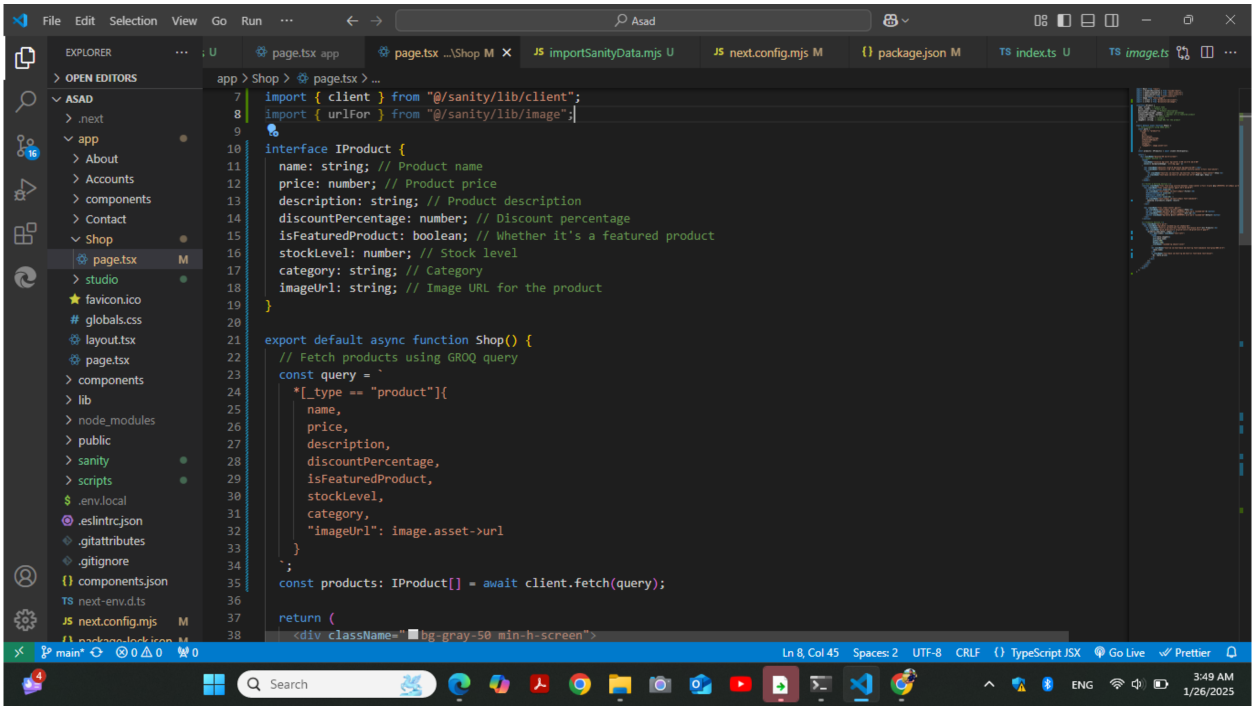
```
{

}
```

RESULT

```
[…] 20 items
▾ 0: {…} 8 properties
    isFeaturedProduct: true
    stockLevel: 25
    category: Chair
    name: Chair Wibe
  ▾ image: {…} 2 properties
      _type: image
    ▾ asset: {…} 1 property
        _ref: image-8e3afa71668987a0516404c4a818d9538a8da023-1887x2831-jpg
    price: 1200
    description: A sleek outdoor chair with natural wooden elements and a modern look.
    discountPercentage: 10
▾ 1: {…} 8 properties
    description: An elegant armchair with plush cushions and a curved design for comfort.
    discountPercentage: 0
    isFeaturedProduct: false
    stockLevel: 10
    category: Chair
```

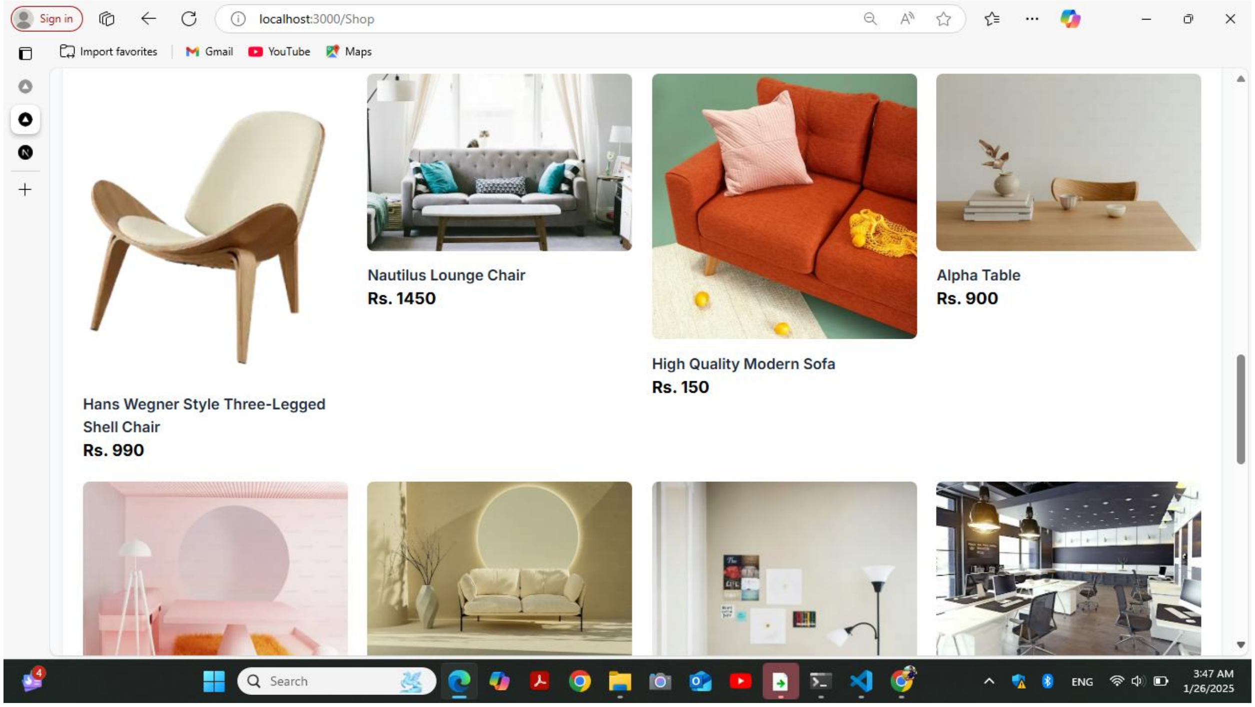
Execution: 4ms End-to-end: 1344ms

6.Data Fatch



```tsx
import { client } from "@/sanity/lib/client";
import { urlFor } from "@/sanity/lib/image";

interface IProduct {
  name: string; // Product name
  price: number; // Product price
  description: string; // Product description
  discountPercentage: number; // Discount percentage
  isFeaturedProduct: boolean; // Whether it's a featured product
  stockLevel: number; // Stock level
  category: string; // Category
  imageUrl: string; // Image URL for the product
}

export default async function Shop() {
  // Fetch products using GROQ query
  const query = `
    *[_type == "product"]{
      name,
      price,
      description,
      discountPercentage,
      isFeaturedProduct,
      stockLevel,
      category,
      "imageUrl": image.asset->url
    }
  `;
  const products: IProduct[] = await client.fetch(query);

  return (
    <div className="bg-gray-50 min-h-screen">
```

7. Product Display



Hans Wegner Style Three-Legged Shell Chair

Rs. 990

Nautilus Lounge Chair

Rs. 1450

High Quality Modern Sofa

Rs. 150

Alpha Table

Rs. 900