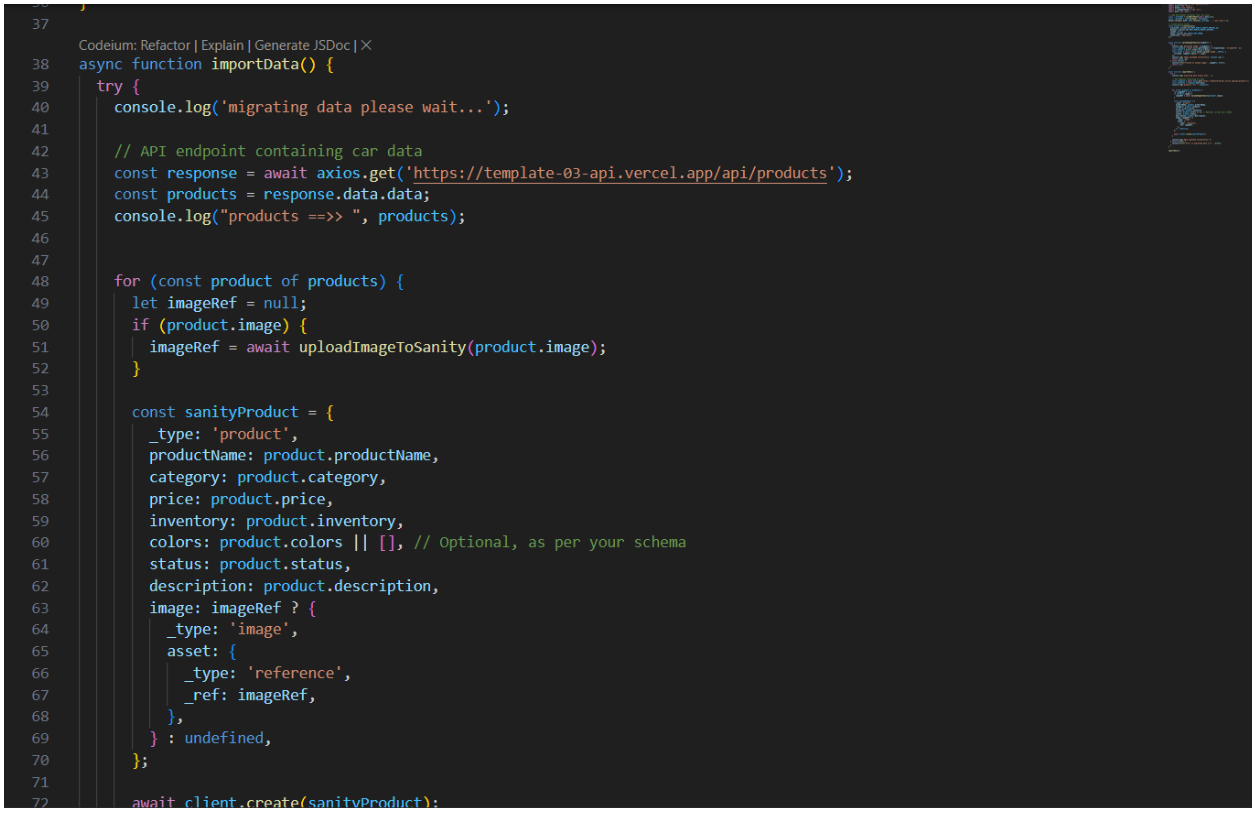
Day 3 - API Integration Report – “NIKE Online Store”

- **A report documenting:**

Experience the future of online shopping with the Nike Online Store Hackathon, Innovate, design, and enhance the digital retail experience for athletes worldwide, Unleash my creativity to build seamless, high-performance shopping solutions.

- **API integration process**

I have successfully integrated the API into my project, which was assigned by **Sir Okasa Tanoli**. Below is the **API integration process** and the step-by-step approach I followed:



```javascript
async function importData() {
  try {
    console.log('migrating data please wait...');

    // API endpoint containing car data
    const response = await axios.get('https://template-03-api.vercel.app/api/products');
    const products = response.data.data;
    console.log("products ==>> ", products);


    for (const product of products) {
      let imageRef = null;
      if (product.image) {
        imageRef = await uploadImageToSanity(product.image);
      }

      const sanityProduct = {
        _type: 'product',
        productName: product.productName,
        category: product.category,
        price: product.price,
        inventory: product.inventory,
        colors: product.colors || [], // Optional, as per your schema
        status: product.status,
        description: product.description,
        image: imageRef ? {
          _type: 'image',
          asset: {
            _type: 'reference',
            _ref: imageRef,
          },
        } : undefined,
      };

      await client.create(sanityProduct);
```

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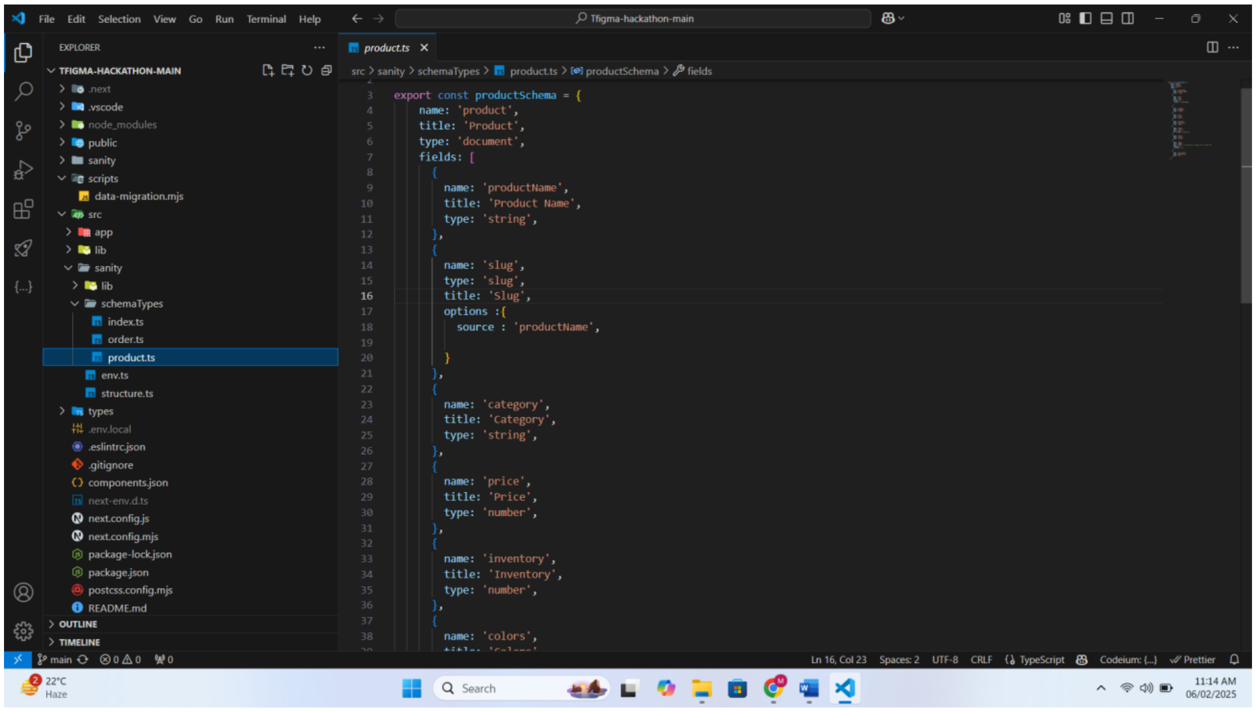
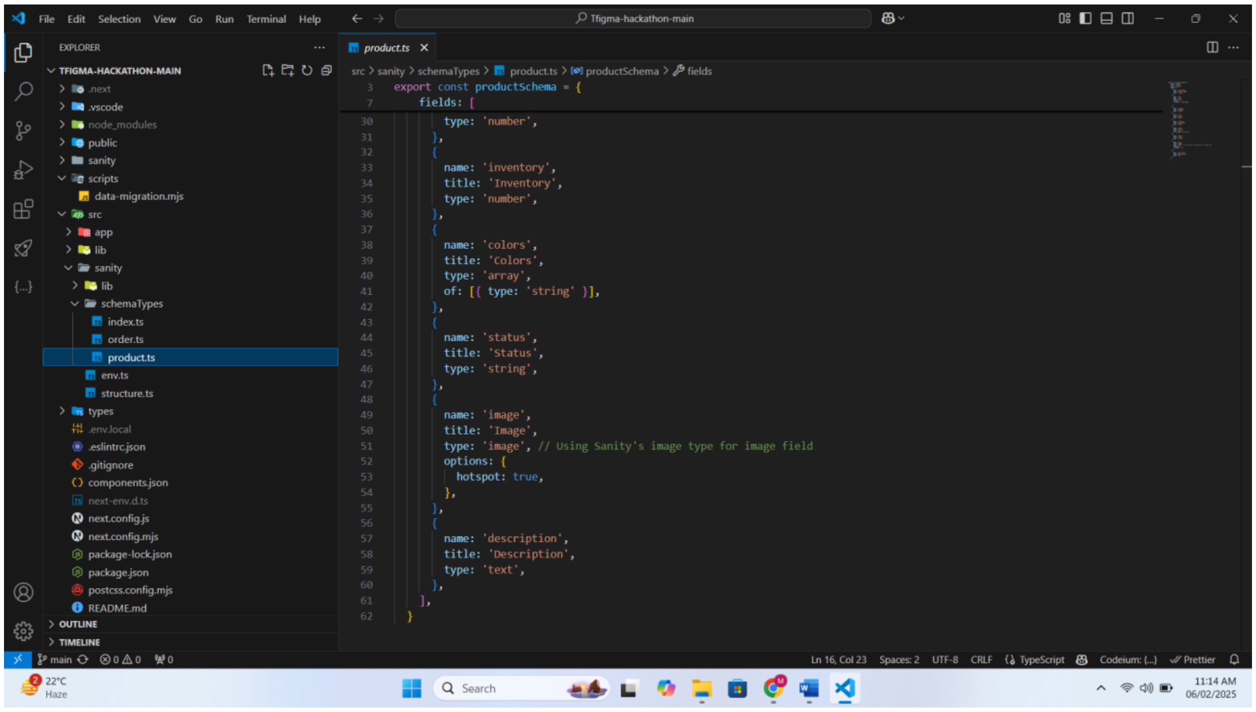
- **Adjustments made to schemas.**



```
export const productSchema = {
  name: 'product',
  title: 'Product',
  type: 'document',
  fields: [
    {
      name: 'productName',
      title: 'Product Name',
      type: 'string',
    },
    {
      name: 'slug',
      type: 'slug',
      title: 'Slug',
      options :{
        source : 'productName',

      }
    },
    {
      name: 'category',
      title: 'Category',
      type: 'string',
    },
    {
      name: 'price',
      title: 'Price',
      type: 'number',
    },
    {
      name: 'inventory',
      title: 'Inventory',
      type: 'number',
    },
    {
      name: 'colors',
```



```
export const productSchema = {
  fields: [
      type: 'number',
    },
    {
      name: 'inventory',
      title: 'Inventory',
      type: 'number',
    },
    {
      name: 'colors',
      title: 'Colors',
      type: 'array',
      of: [{ type: 'string' }],
    },
    {
      name: 'status',
      title: 'Status',
      type: 'string',
    },
    {
      name: 'image',
      title: 'Image',
      type: 'image', // Using Sanity's image type for image field
      options: {
        hotspot: true,
      },
    },
    {
      name: 'description',
      title: 'Description',
      type: 'text',
    },
  ],
}
```

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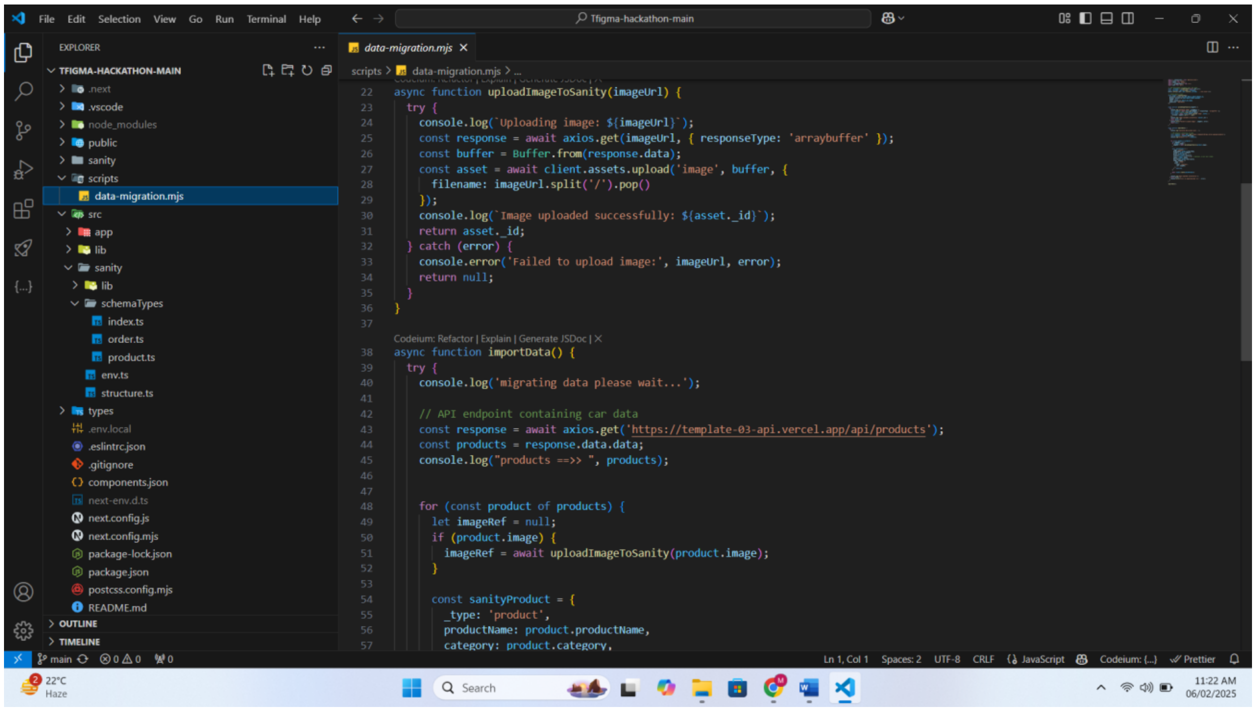
- **Migration steps and tools used.**

Migration Step those Include installation of Sanity Into Project , adjustment of Schema and run the Migration Scipts below.



```javascript
async function uploadImageToSanity(imageUrl) {
  try {
    console.log(`Uploading image: ${imageUrl}`);
    const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
    const buffer = Buffer.from(response.data);
    const asset = await client.assets.upload('image', buffer, {
      filename: imageUrl.split('/').pop()
    });
    console.log(`Image uploaded successfully: ${asset._id}`);
    return asset._id;
  } catch (error) {
    console.error('Failed to upload image:', imageUrl, error);
    return null;
  }
}

async function importData() {
  try {
    console.log('migrating data please wait...');

    // API endpoint containing car data
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      }

      const sanityProduct = {
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        productName: product.productName,
        category: product.category,
```

- Screenshots of API Call To Be Displayed the Product Data into Project.

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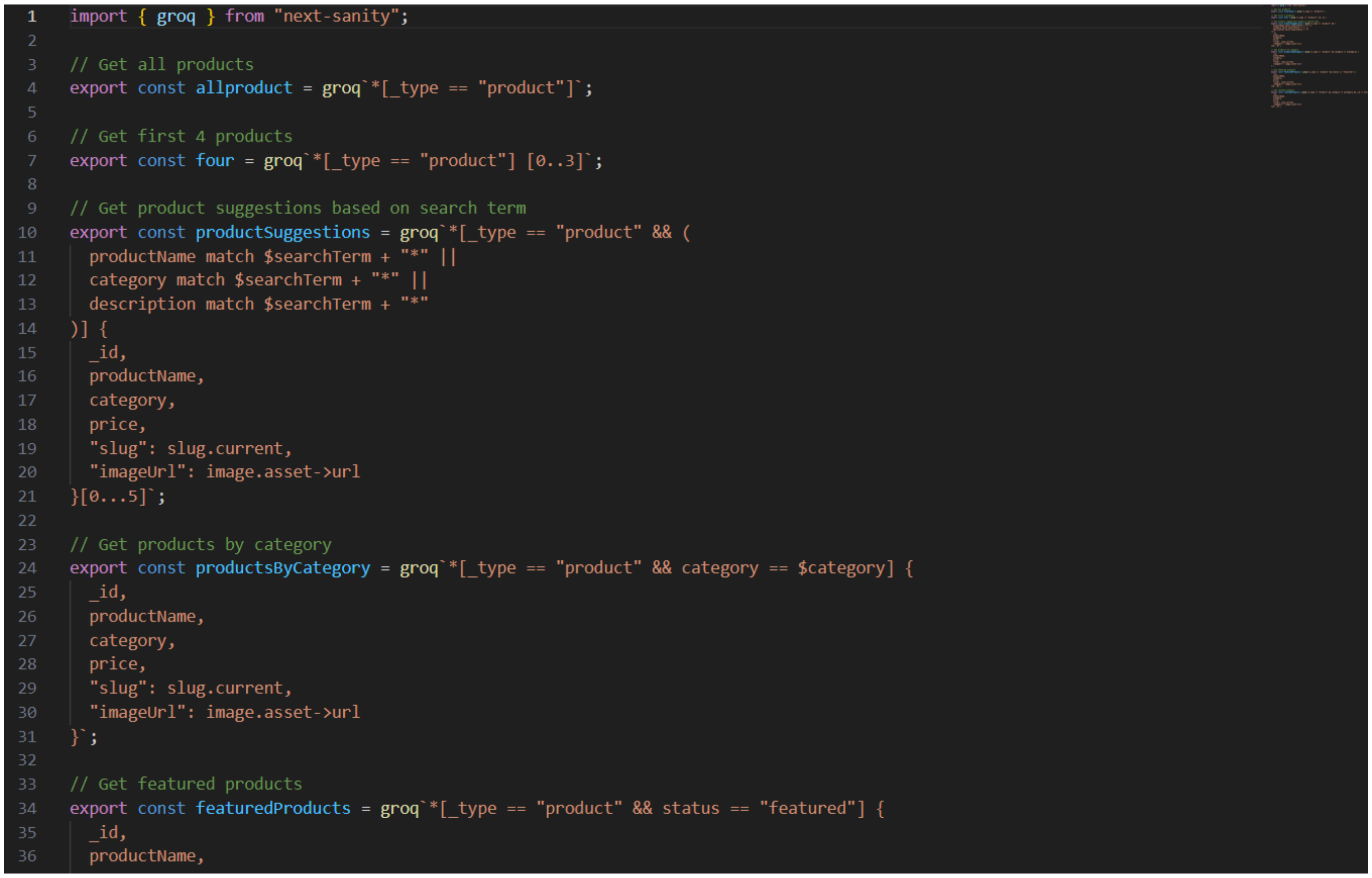
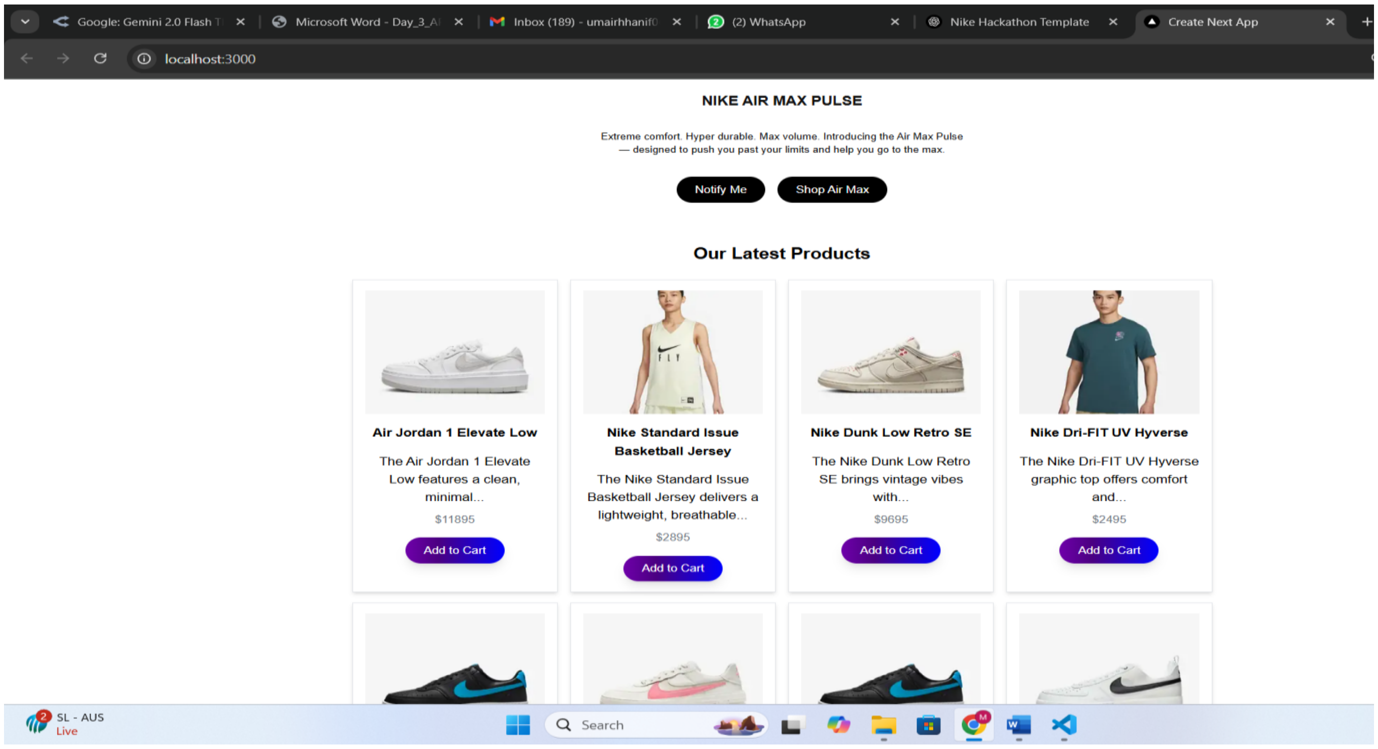


```
import { groq } from "next-sanity";

// Get all products
export const allproduct = groq`*[_type == "product"]`;

// Get first 4 products
export const four = groq`*[_type == "product"] [0..3]`;

// Get product suggestions based on search term
export const productSuggestions = groq`*[_type == "product" && (
  productName match $searchTerm + "*" ||
  category match $searchTerm + "*" ||
  description match $searchTerm + "*"
)] {
  _id,
  productName,
  category,
  price,
  "slug": slug.current,
  "imageUrl": image.asset->url
}[0...5]`;

// Get products by category
export const productsByCategory = groq`*[_type == "product" && category == $category] {
  _id,
  productName,
  category,
  price,
  "slug": slug.current,
  "imageUrl": image.asset->url
}`;

// Get featured products
export const featuredProducts = groq`*[_type == "product" && status == "featured"] {
  _id,
  productName,
```

Products Successfully Displayed into Project here are the Screen Shots For the Same.


Google: Gemini 2.0 Flash T
Microsoft Word - Day_3_AI
Inbox (189) - umairhhanif0
(2) WhatsApp
Nike Hackathon Template
Create Next App
localhost:3000

NIKE AIR MAX PULSE

Extreme comfort. Hyper durable. Max volume. Introducing the Air Max Pulse — designed to push you past your limits and help you go to the max.

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The Nike Dunk Low Retro SE brings vintage vibes with...
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Nike Dri-FIT UV Hyverse
The Nike Dri-FIT UV Hyverse graphic top offers comfort and...
$2495
Add to Cart

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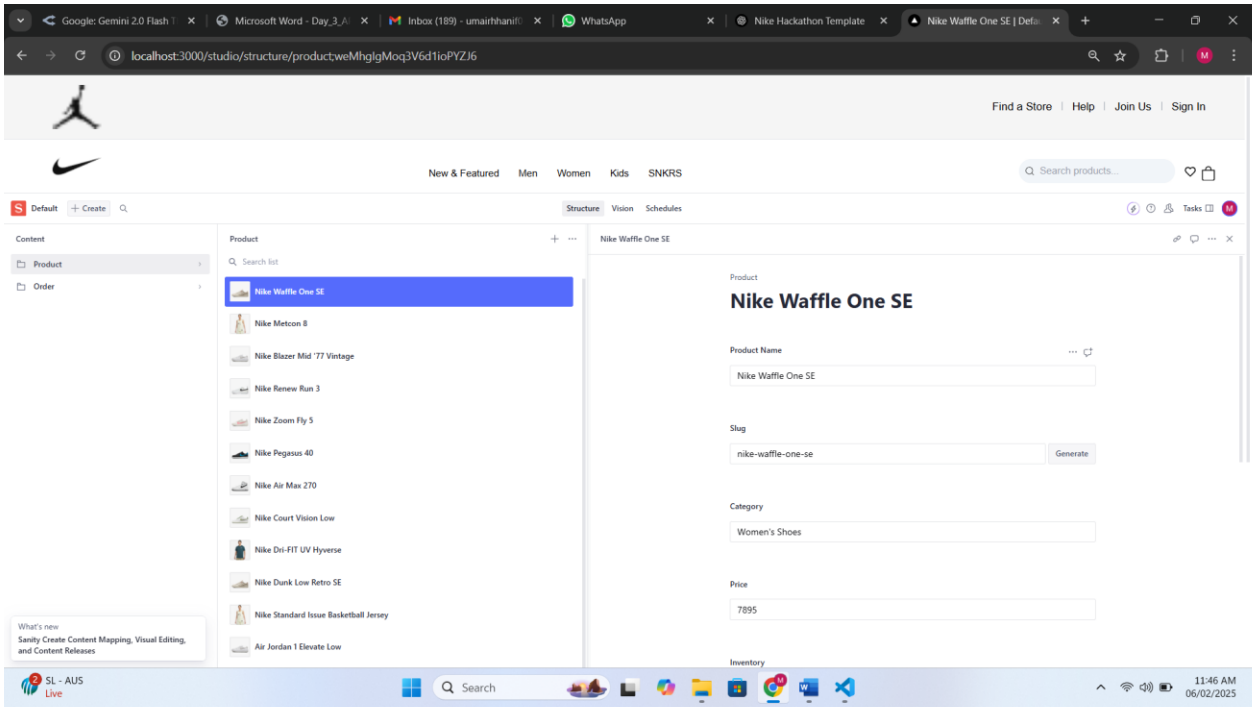
Sanity Studio where products are displayed,



localhost:3000/studio/structure/product;weMhglgMoq3V6d1ioPYZJ6

Product

- Nike Waffle One SE
- Nike Metcon 8
- Nike Blazer Mid '77 Vintage
- Nike Renew Run 3
- Nike Zoom Fly 5
- Nike Pegasus 40
- Nike Air Max 270
- Nike Court Vision Low
- Nike Dri-FIT UV Hyverse
- Nike Dunk Low Retro SE
- Nike Standard Issue Basketball Jersey
- Air Jordan 1 Elevate Low

Product

Nike Waffle One SE

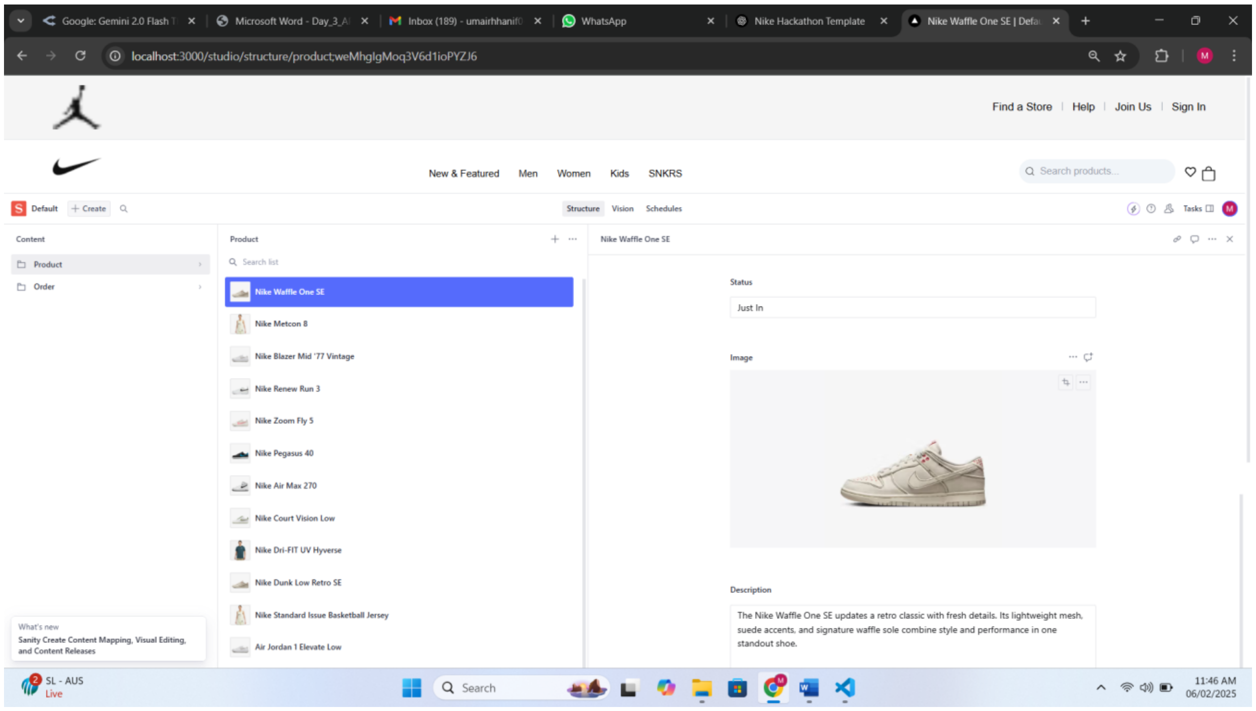
Product Name: Nike Waffle One SE

Slug: nike-waffle-one-se

Category: Women's Shoes

Price: 7895

Inventory



Status: Just In

Image

Description: The Nike Waffle One SE updates a retro classic with fresh details. Its lightweight mesh, suede accents, and signature waffle sole combine style and performance in one standout shoe.