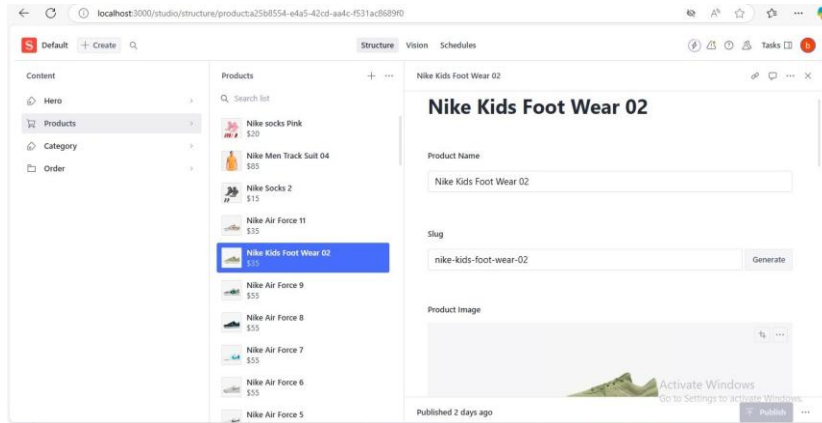


Bilqees Shahid, Roll #: 00426703, Friday 09:00 am – 12:00 pm

## Step-1

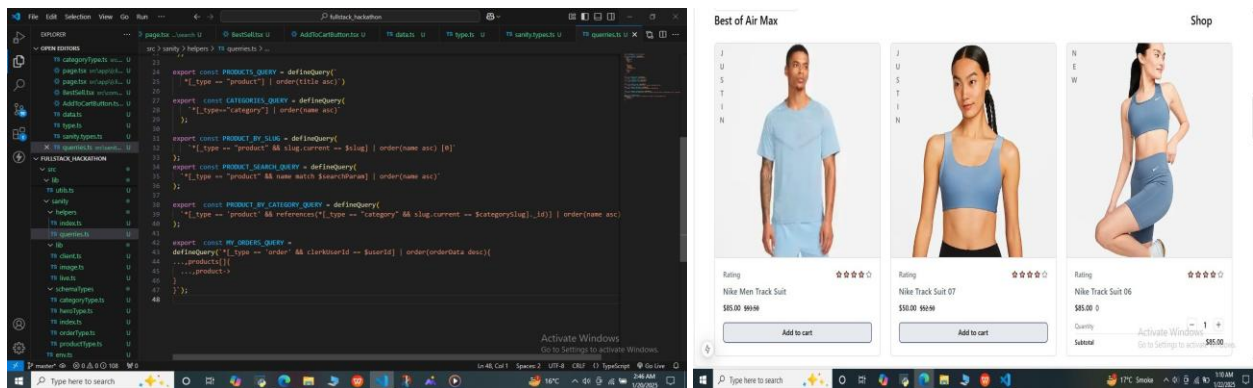
API Integration to Sanity by importing product data to Sanity.



## Step-2

Fetches data from Sanity on frontend to show my product data via Groq Query.

- I made schemas of product and category.
- I fetched all products according to category.
- As my template has big number of categories, I fetched it dynamically.
- I created category component and category slug page.
- I fetched all my product through slug so that I could apply add to cart functionality to every product on my website.



## The Logic I Used

I made Schemas first and then introduced the “typegen” in my projects package.json file.

“typegen”: `npx sanity@latest schema extract && npx sanity@latest typegen generate`

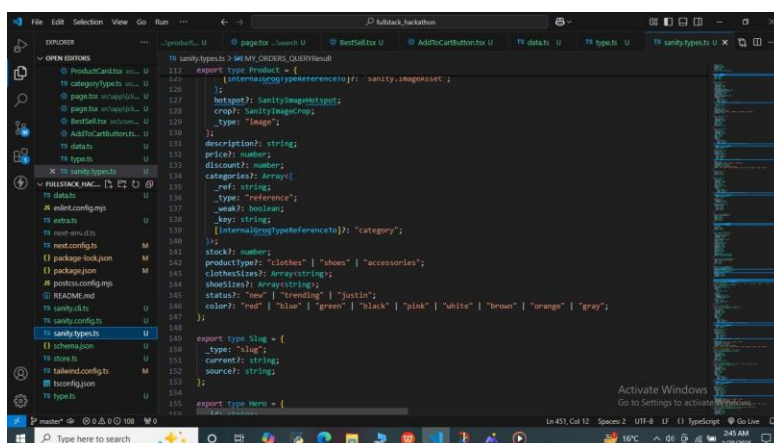
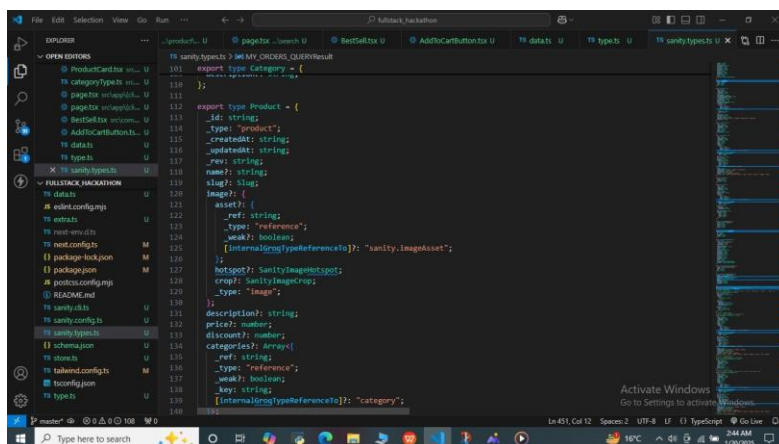
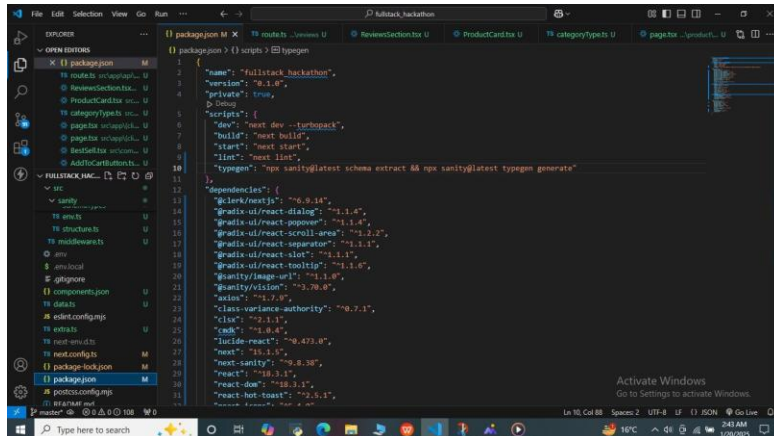
Then, I run the command on terminal

```
>npm run typegen
```

This command created `sanity.types.ts` in my project.

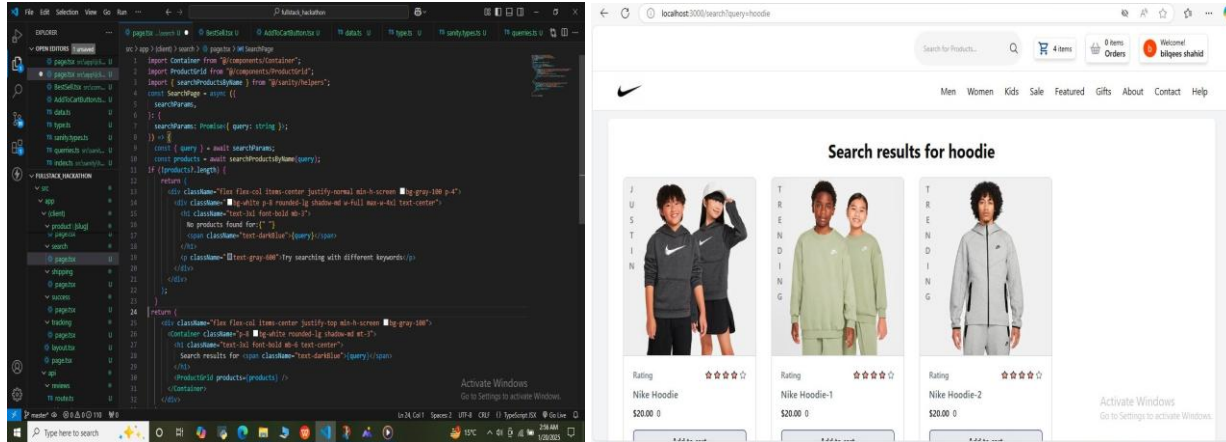
This approach made my projects reusable interfaces which I used in every one of my file for dynamic rendering of my products.

“This is a very helpful tool to avoid type error while achieving dynamic approach of best functionality.”



## Categories I Added In Search Bar

I made my search bar filtering the products by its name, color and price.



## Add To Cart Functionality

- I have used react hook {useState and useEffect} for my add to cart button with dynamic and reusable components of Quantity Button., PriceFormatter and PriceView.
- I created a dynamic cart page which is accessible after authentication.  
{ I have put authentication by Clerks to my project at cart access }
- As I get access to cart page I can see total amount of shopped products even I can add more products over there by clicking Quantity Button or I can also remove any product, which I don't want to keep.
- I have also made a section for the customer's review, to make a review for our products on a product detail page.

