

# Day 5 - Testing & Backend Refinement - Hermes

## Introduction

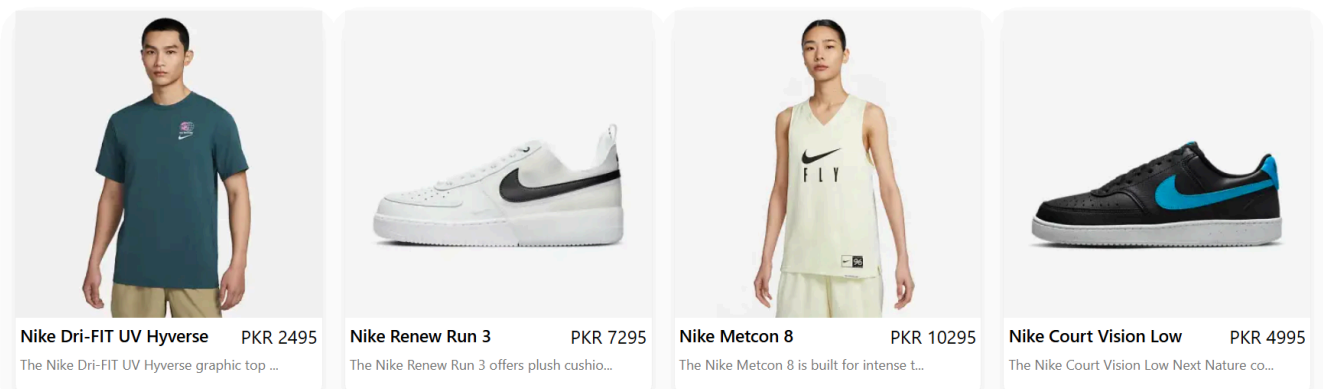
Day-5 Testing and Backend Refinement—this is when we fine-tune the backend systems, ensuring they're rock-solid and ultra-efficient. We dive deep into rigorous testing to squash any bugs and optimize performance, all to deliver a seamless user experience. It's like giving the engine of a sports car its final tune-up before hitting the road.

## Task Cases Executed and Their Results

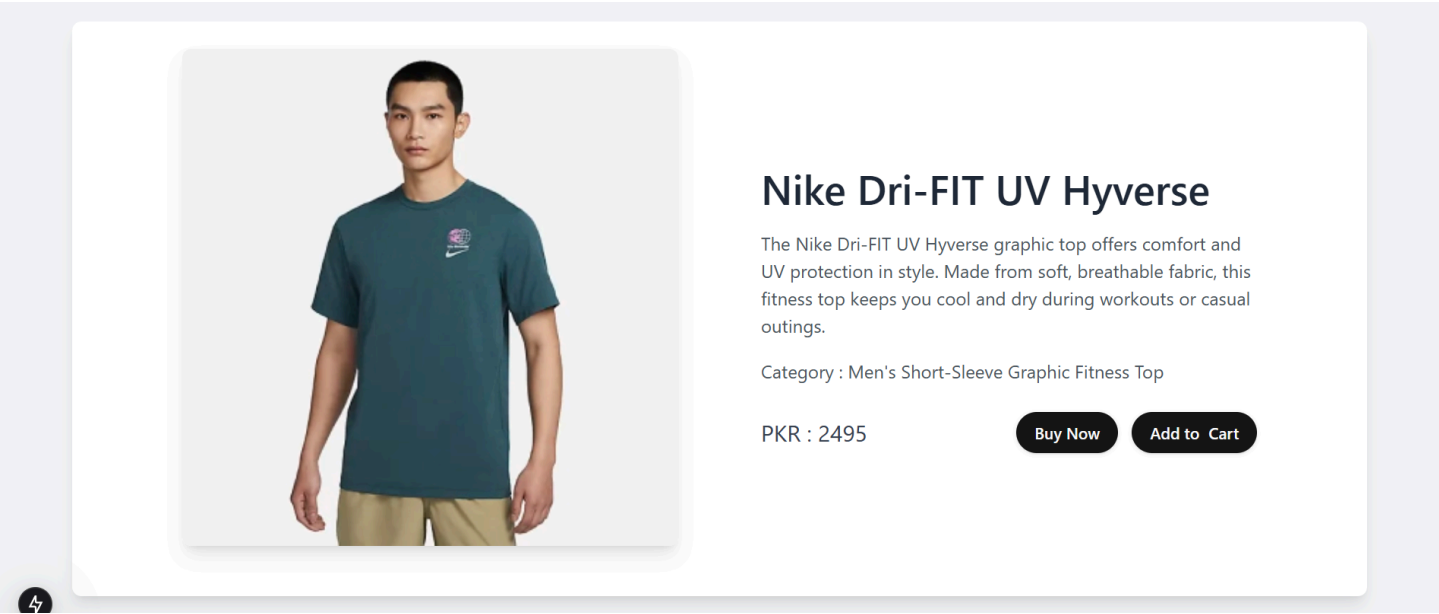
1. **Dynamic Routes** : Tested the Dynamic Routes Functionality Implemented on several page for product worked as expected.
2. **Cart Functionality** : Cart Components testing for better UI/UX experience before launching
3. **API Errors** : API Error Displayed with the help of try-catch for better UI experience
4. **Cross-Browser Testing** : Testing Website Responsiveness as well as working on other browsers
5. **Light House Report** : Report Generated by light house for improvements
6. **API Testing** : API tested for checking response timing and error handling

## Dynamic Routes

Dynamic Routes is a core functionality of my websites implemented on several areas (Product Details, Cart Slider, Home Page).



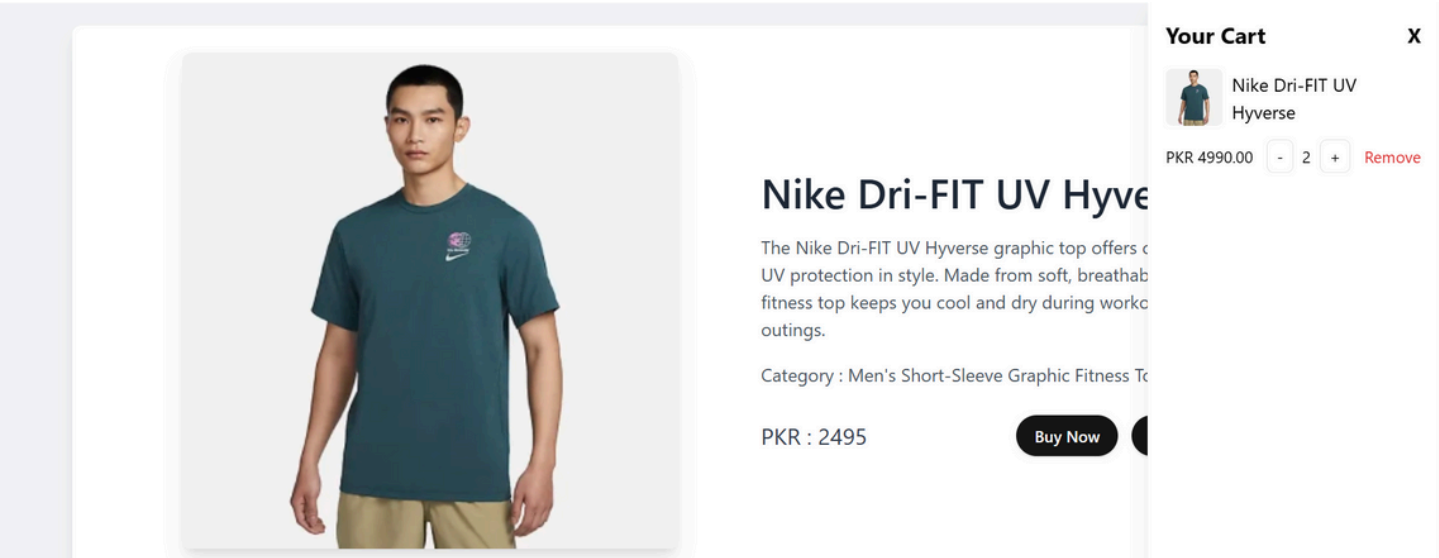
**Testing Routes :** Tested the functionality through homepage and product listing page works as expected.



Fetches data and displays correctly.

## Cart Functionality

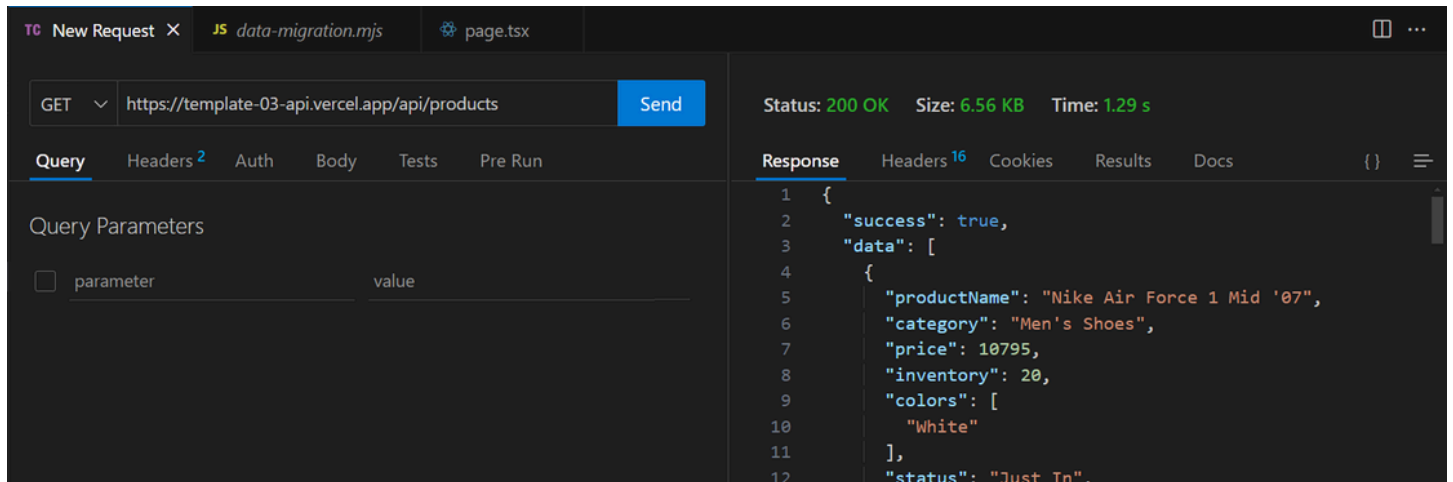
**Cart Component :** One of the most commonly used functions in several websites implemented in mine as well throughout the website tested and works as expected.



Item added to cart as well as quantity increased for better viewing purpose tested and worked properly.

# API Testing

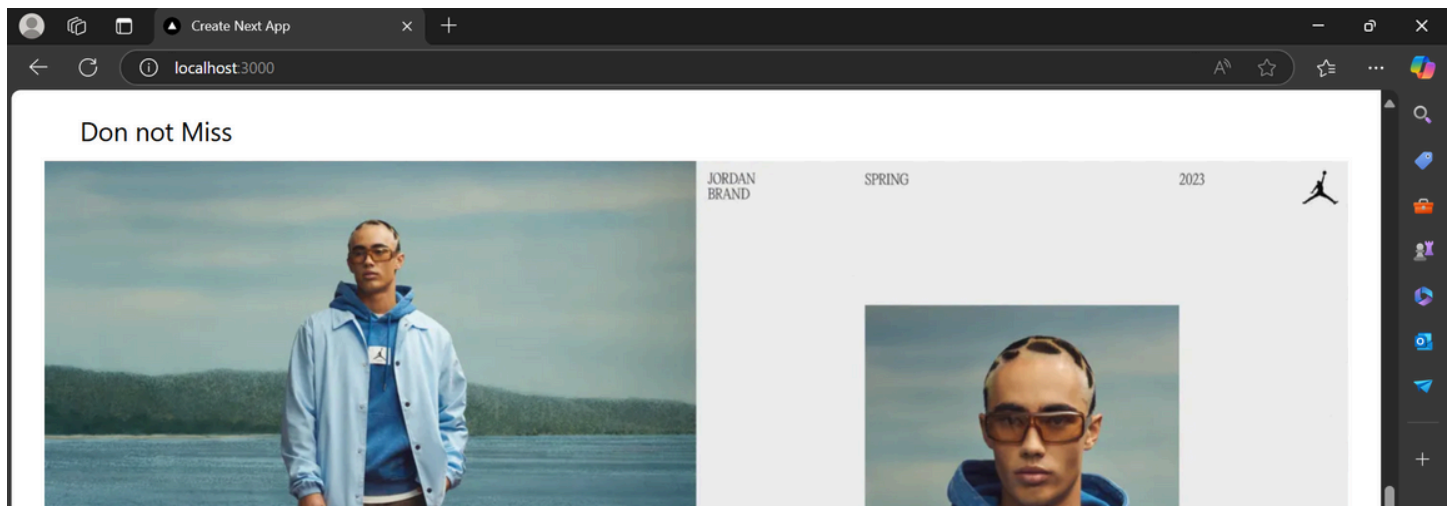
**Thunder Extension :** Tested the API and it worked as expected as well as the (Response, Size, Status) were perfect.



**Achieved the best response rate as well as size and time for better performance.**

# Cross-Browser Testing

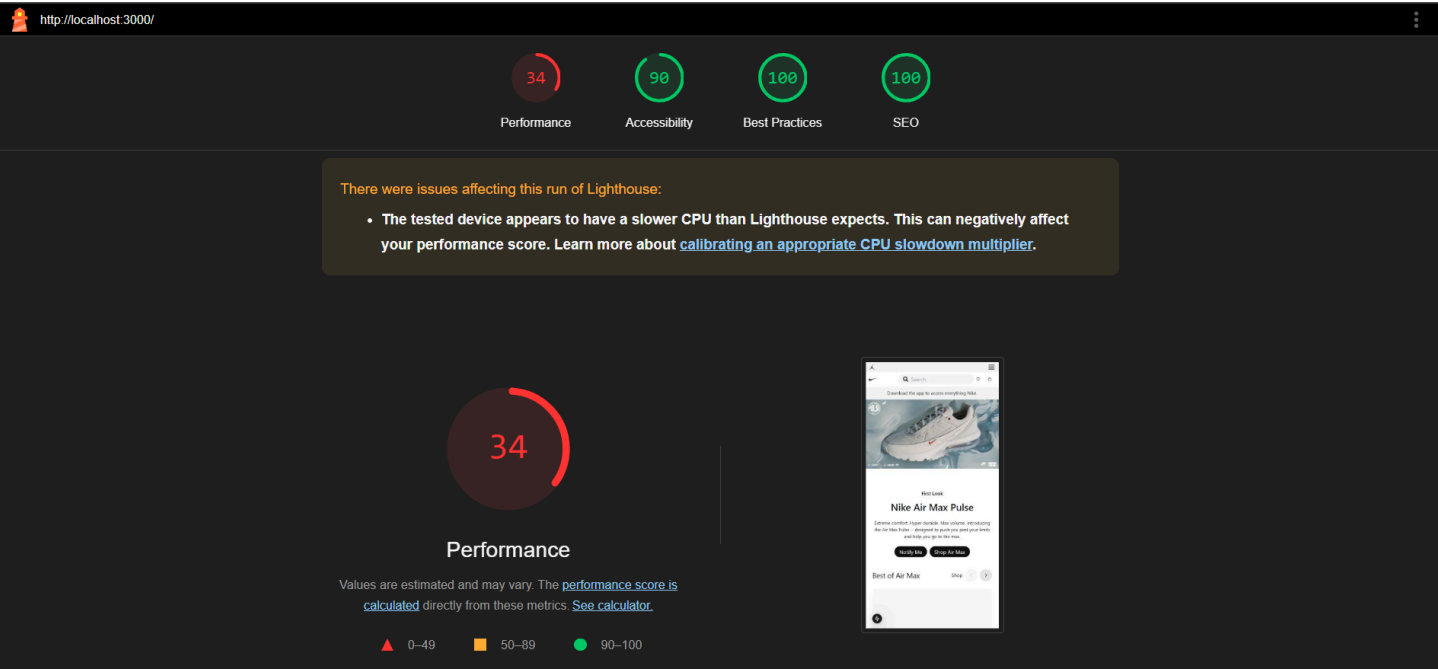
**Other Browser Used :** Tested the website on other browser for checking the responsiveness as well as functionality working properly or not.



**Website image is conducted on Microsoft browser with different width and height.**

# Lighthouse Report

**Lighthouse Report :** Tested the developed website on lighthouse for performance related issues and the result were not as expected.



A lot of improvement is need for better website performance, in will definitely make some adjustments for better performance.

# Final Checklist Report

Functional Testing	Error Handling	Cross-Browser and Device Testing:	Documentation	Final Review	Performance Optimization	Security Testing
✓	✓	✓	✓	✓	✓	✓