

# HACKATHON 3

## DAY 5

### TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

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<b>Slot:</b>	Friday(morning)

## 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.
- 7. Developer Resource Testing** : Testing Website Developer Resources.
- 8. Performance Monitoring** : Report Generate by performance monitor in inspect option.
- 9. Security Testing** :

## 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.



## Nike Air Force 1 Mid '07

The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance.

₹10795

Add to Cart

### Products



#### Nike Air Force 1 Mid '07

The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance.

₹10795



#### Nike Standard Issue Basketball Jersey

The Nike Standard Issue Basketball Jersey delivers a lightweight, breathable fit for top performance. Designed for athletes, it combines style and functionality to keep you cool and comfortable on and off the court.

₹2895



#### Nike Dunk Low Retro SE

The Nike Dunk Low Retro SE brings vintage vibes with a modern twist. Featuring premium materials and a neutral color palette, this classic sneaker is versatile, stylish, and perfect for any casual occasion.

₹9695



#### Nike Air Max 270

The Nike Air Max 270 features the largest Air unit yet for exceptional cushioning. Its bold design, breathable mesh upper, and vibrant colors make it



#### Nike Pegasus 40

The Nike Pegasus 40 delivers responsive cushioning and durability for everyday runners. Its lightweight construction and secure fit make it the



#### Nike Court Vision Low Next Nature

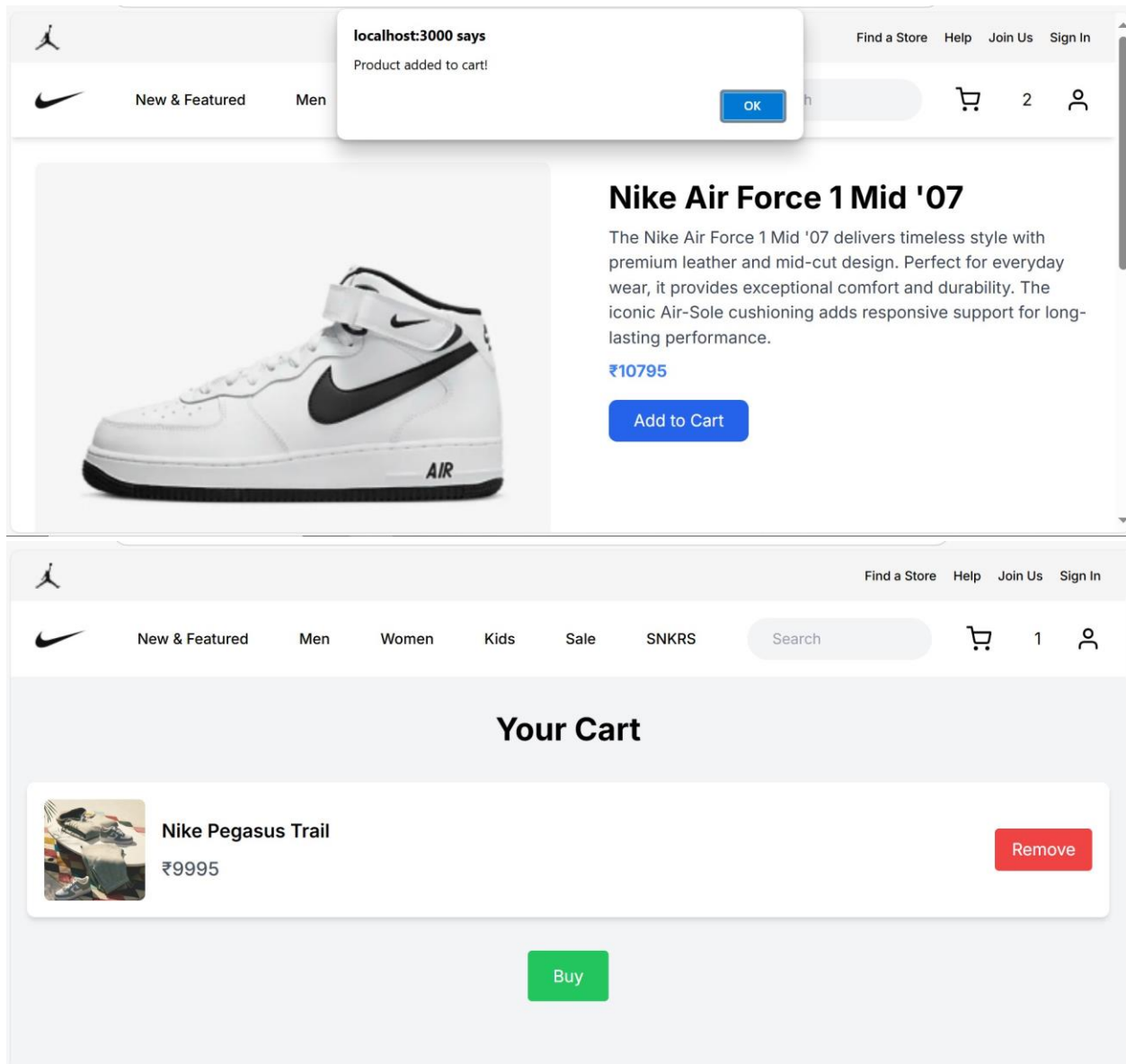
The Nike Court Vision Low Next Nature combines retro basketball style with modern sustainability. Made with

Successfully Fetched data from sanity and displayed correctly.

## Cart Functionality:

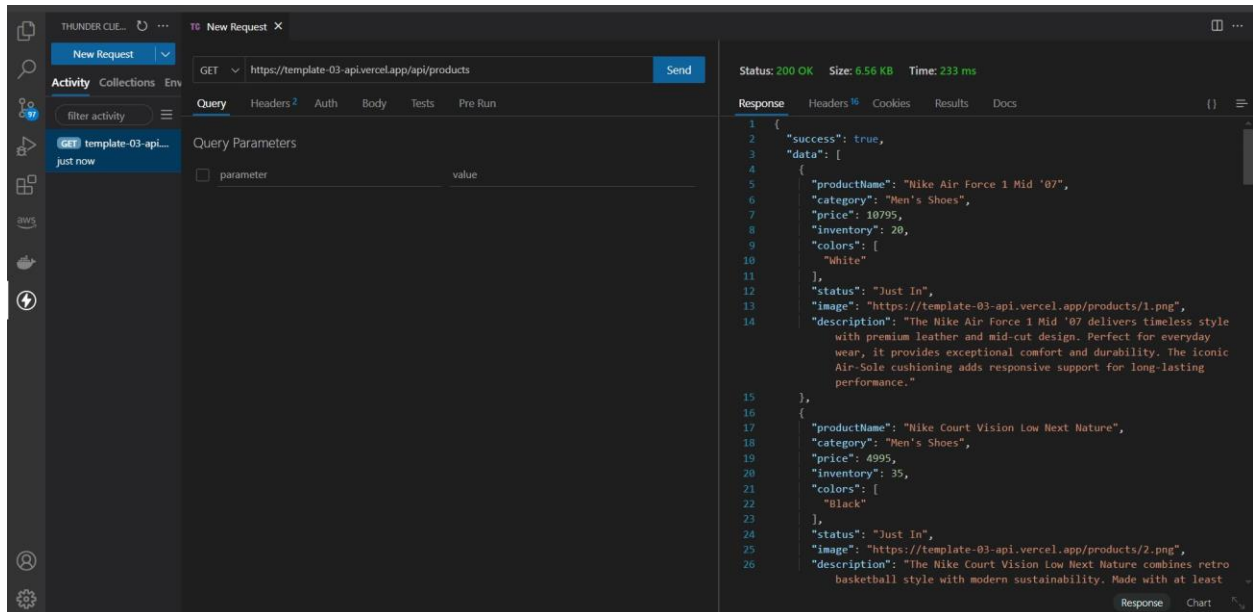
**Cart Component :** It works as expected.

Item added to cart as well as I can also buy them and Remove them from cart.



## API Testing:

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



## Cross-Browser Testing:

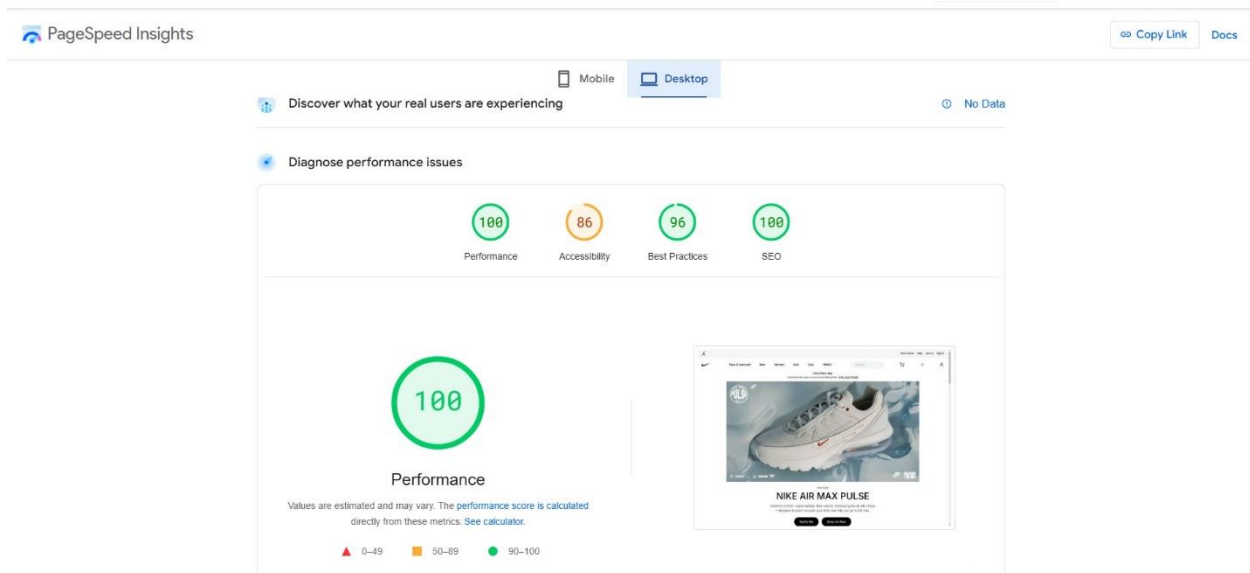
**Other Browser Used :** Tested the website on other browser for checking the responsiveness as well as functionality. It is working properly.



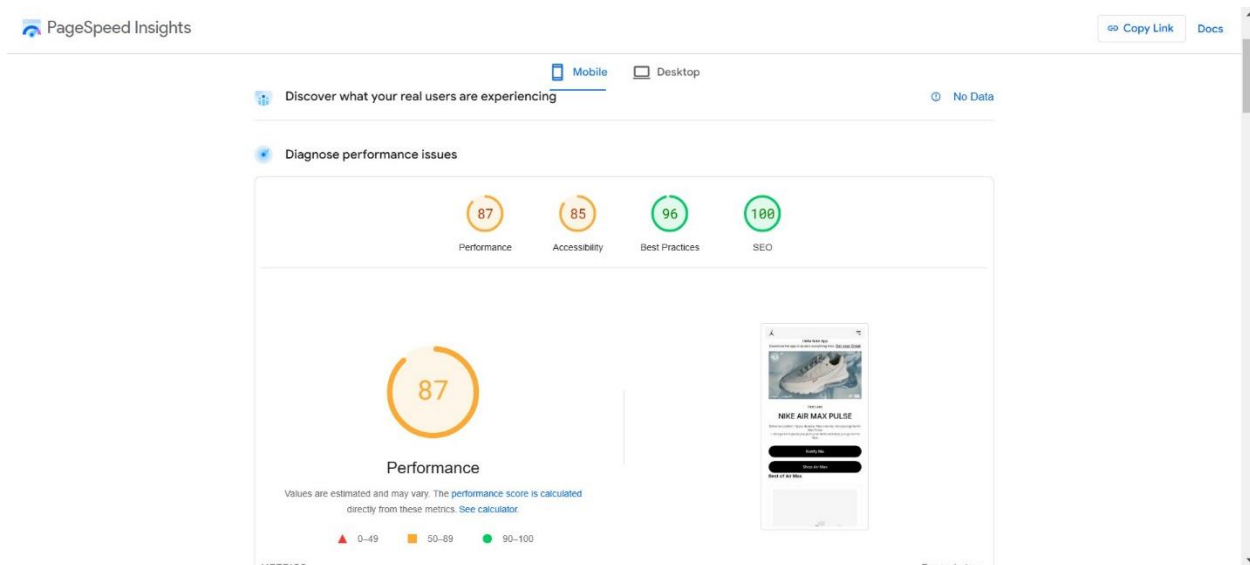
# Lighthouse Report:

**Lighthouse Report** : Tested the developed website on lighthouse for performance related issues and the result on desktop was great but on the mobile the result was not good as expected.

## On Desktop:



## On Mobile:





## Developer Resources:

The screenshot shows a web browser at the URL `nexthackathon3.vercel.app`. The left pane displays a mobile app interface for "Hello Nike App" featuring a "NIKE AIR MAX PULSE" product. The right pane shows the "Developer resources" tab in Chrome DevTools. It includes a table of resources with columns for Status, URL, Initiator, Total Bytes, and Error. Two errors are listed, both with a status of "failure" and an error message of "System error: net:ERR\_BLOCKED\_BY\_CLIENT".

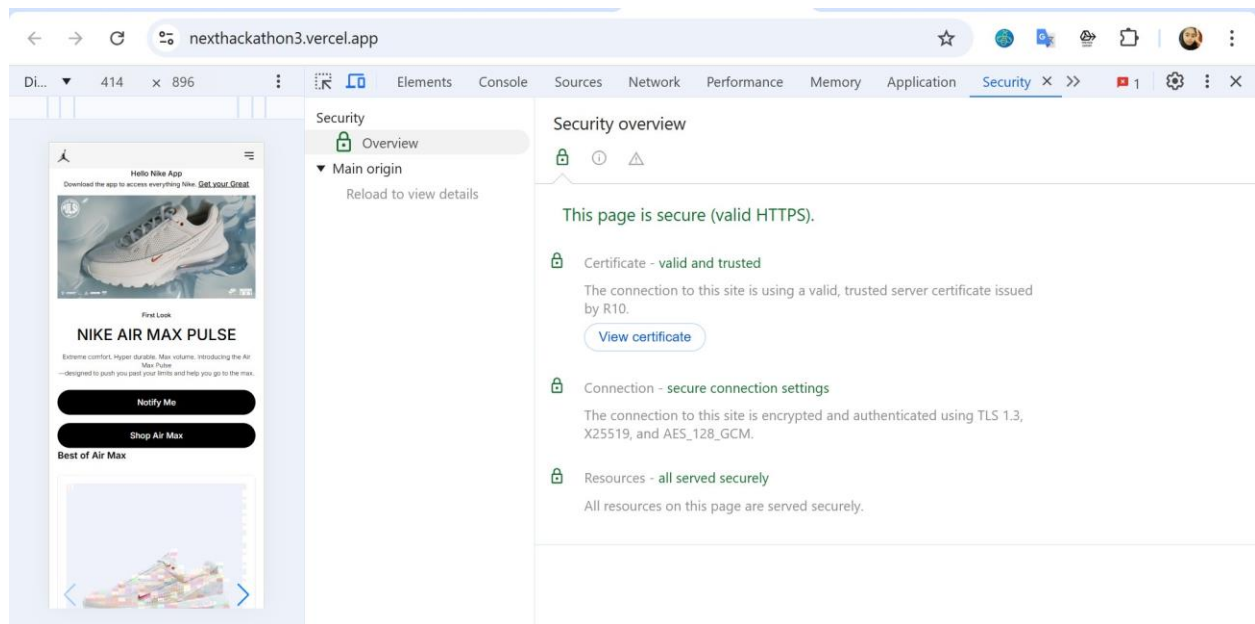
Status	URL	Initiator	Total Bytes	Error
failure	chrome-extension://hmfanknoc.../requestProvider.js.map	chrome-extens...		System error: net:ERR_BLOCKED_BY_CLIENT
failure	chrome-ext... /injectCoinbaseWalletDappProvider.js.map	chrome-extens...		System error: net:ERR_BLOCKED_BY_CLIENT

## Performance Monitor:

The screenshot shows the same web browser and app interface as the previous image. The right pane now displays the "Performance monitor" tab in Chrome DevTools. It shows a list of performance metrics on the left and a corresponding timeline graph on the right. The metrics include CPU usage (0.1%), JS heap size (24.5 MB), DOM Nodes (418), JS event listeners, Documents, Document Frames, Layouts / sec, and Style recalcs / sec. The timeline graph shows the duration of these metrics over time, with a purple bar for JS heap size and a green bar for DOM Nodes.

Metric	Value
CPU usage	0.1%
JS heap size	24.5 MB
DOM Nodes	418
JS event listeners	
Documents	
Document Frames	
Layouts / sec	
Style recalcs / sec	

## Security:



## Checklist for Day 5:

Functional Testing:



Error Handling:



Performance Optimization:



Cross-Browser and Device Testing:



Security Testing:



Documentation:



Final Review:

