# Day 5

**A. FUNCTIONAL TESTING**

1. PRODUCTS ARE FETHCING SUCESSFULLY

2. CATEGORY FUNCTION ARE WORKING

3. PRODUCT DETAILS AND ADD TO CART FUNCTION ARE WORKING CORRECTLY , AND DATA ARE STORING IN LOCAL STORAGE.

4. CARTPAGE ARE FULLY FUCNTIONAL AND ARE ALLOWING USER TO SEE THE TOTAL SELECTED PRODUCTS AND GIVING OPTION TO ADD AND REMOVE OPTIONS.

5. SUMMARY PAGE ARE WORKING NICELY !

6. API ARE WORKING PERFECTLY AND FETCHING ALL DETAILS .

NON FUNCTIONAL TESTING

1. JOIN US ARE NOT FUNCTIONAL YET
2. SIGN UP PAGE ARE NOT FUNTIONAL
3. ORDER PLACEMENT ARE NOT WORKING YET.
4. CANT ADD PAYMENT METHOD ADD RIGHT NOW.

**WEBSITE FULLY RESPONSIVE**
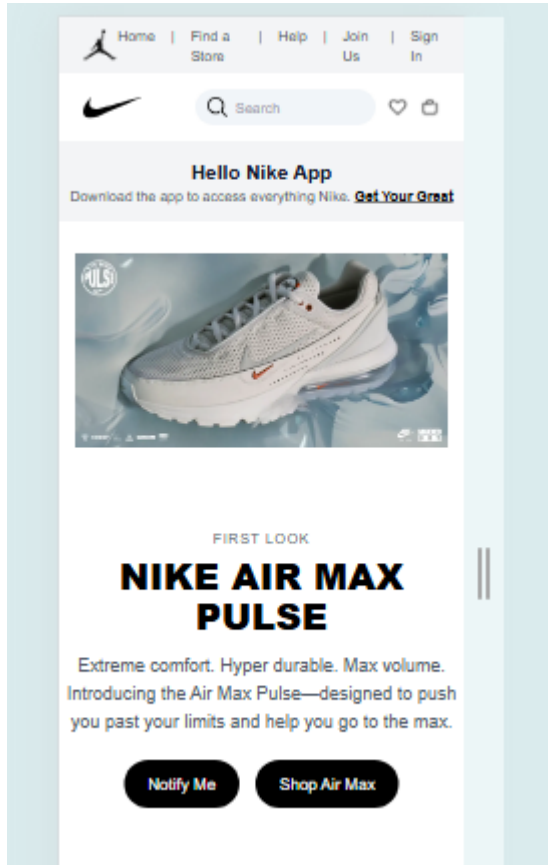
## TESTING API FROM THUNDERCLIENT EXTENSION

| GET ∨ | https://template-03-api.vercel.app/api/products | Send |
|---|---|---|

**Status:** 200 OK    **Size:** 6.56 KB    **Time:** 226 ms

Query    Headers 2    Auth    Body    Tests    Pre Run

Response    Headers 16    Cookies    Results    Docs    {}  ≡

Query Parameters

☐    parameter                                    value

```json
1   {
2       "success": true,
3       "data": [
4           {
5               "productName": "Nike Air Force 1 Mid '07",
6               "category": "Men's Shoes",
7               "price": 10795,
8               "inventory": 20,
9               "colors": [
10                  "White"
11              ],
12              "status": "Just In",
13              "image": "https://template-03-api.vercel.app
                    /products/1.png",
14              "description": "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."
15          },
16          {
17              "productName": "Nike Court Vision Low Next
                    Nature",
18              "category": "Men's Shoes",
19              "price": 4995
```

## B. ERROR HANDLING

```javascript
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);
```

```
    console.log('Data migrated successfully!');
} catch (error) {
    console.error('Error in migrating data ==>> ', error);
    }
}
```

## C. PERFORMANCE OPTIMIZATION

| Test Case ID | Test Case Description | Test Steps | Expected Result | Actual Result | |
|---|---|---|---|---|---|
| 2 | Validate product listing page | | yes | Products displayed correctly | yes |
| 3 | Test API error handling | | yes | Show fallback UI with error message | NO |
| 4 | Check cart functionality | | yes | Cart updates with added product | yes |
| 5 | Ensure responsiveness on mobile | Resize browser window > Check layout | | Layout adjusts properly to screen size | yes |

| Severity Level | |
|---|---|
| Passed | HIGH |
| Passed | Medium |
| Passed | High |
| Passed | LOW |

| 68 | 96 | 96 | 100 |
|---|---|---|---|
| Performance | Accessibility | Best Practices | SEO |

68

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

https://chrome-dev...
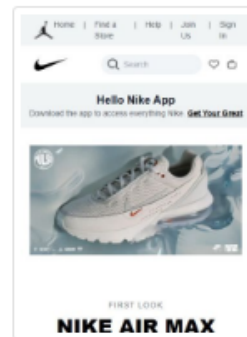
## METRICS

● First Contentful Paint

**1.1 s**

● Largest Contentful Paint

**2.3 s**

▲ Total Blocking Time

**4,130 ms**

● Cumulative Layout Shift

**0.027**

● Speed Index

**2.1 s**

69  96  100  100

## PASSED AUDITS (20)

Show

96

## Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so manual testing is also encouraged.

## CONTRAST

▲ Background and foreground colors do not have a sufficient contrast ratio. ⌄

These are opportunities to improve the legibility of your content.