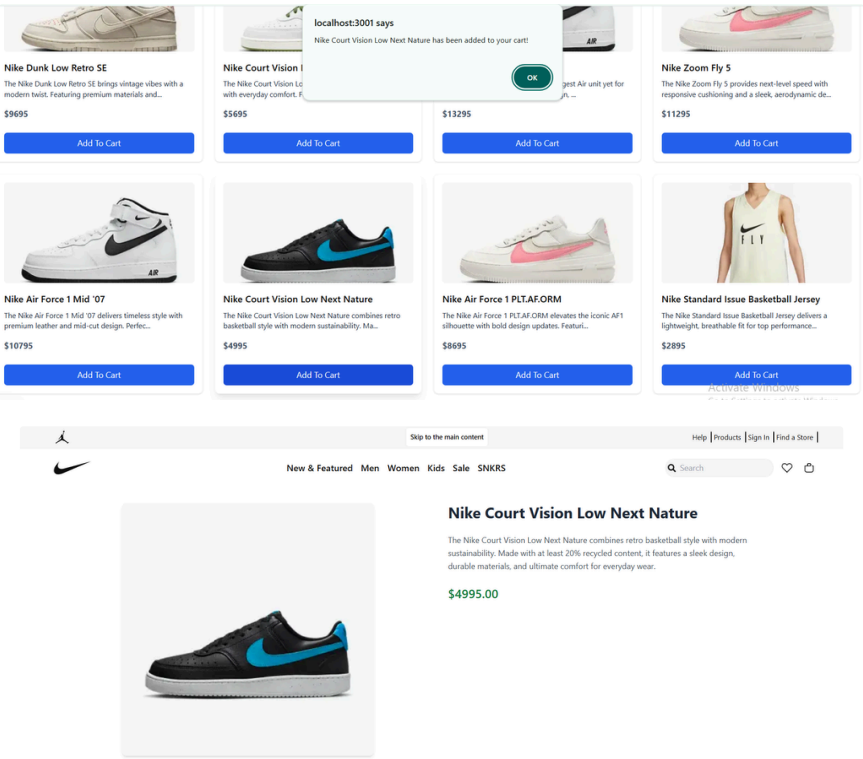# Day 5- Testing, Error Handling, And Backend Integration Refinement:

.Step 1: Functional Testing

All the functionalities of my website are working.

.Notification of item added to cart is functioning correctly.

.Cart Summary:

Sign In Page:

YOUR ACCOUNT
FOR EVERYTHING
NIKE

Enter address

Password

☑ Keep me signed in   Forgotten your password?

By logging in, you agree to Nikes Privacy Policy
and Terms of Use.

SIGN IN

Not a Member? Join Us.
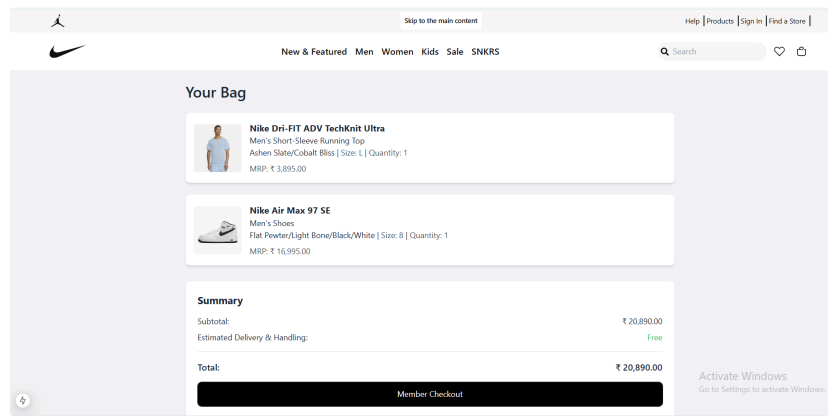

.Help Page:

.Find A Store:

.Proceed To CheckOut Page:

.Our website is fully responsive:

Help 🏠
Become A Nike ⋀
Sign In 👤
Join Us ➕
Find a Store 🏪

Extreme comf
Max Pulse —d

Best of Ai

Nike Air Max 97 SE   PKR 11 595
Mens's Shoes

Featured

STEP INTO WHAT FEELS GOOD

Cause everyone should know the feeling
of running in that perfect pair.

Find Your Shoe
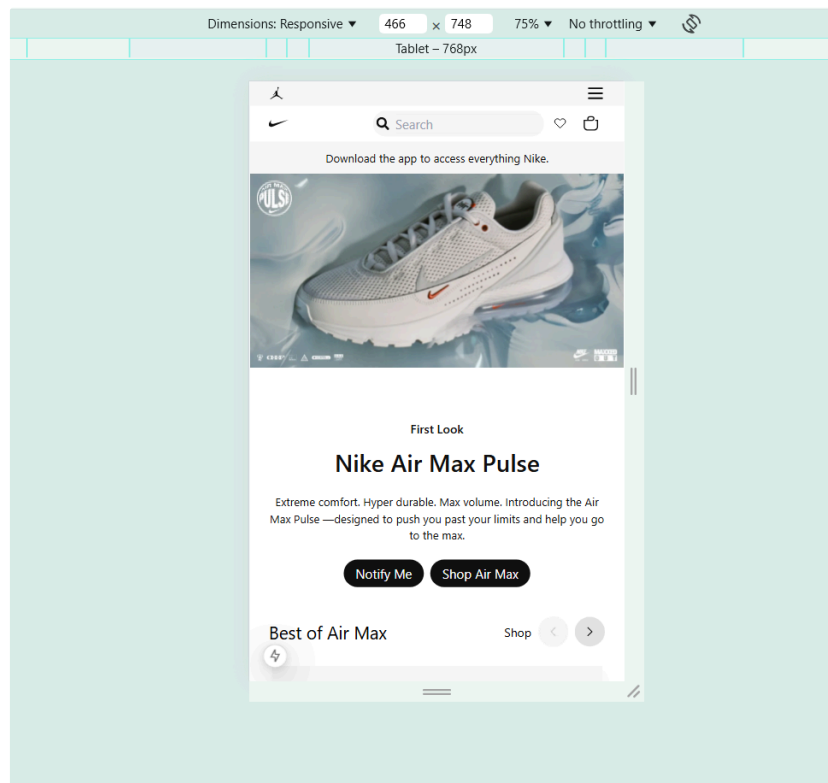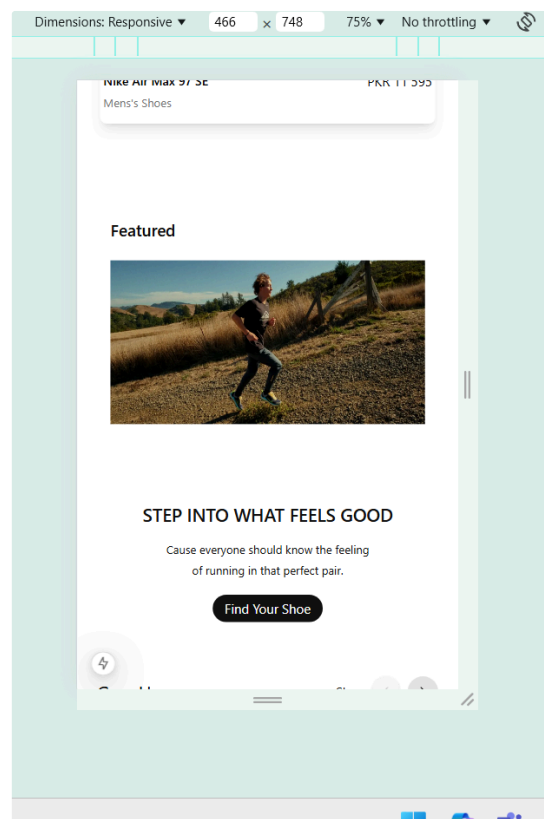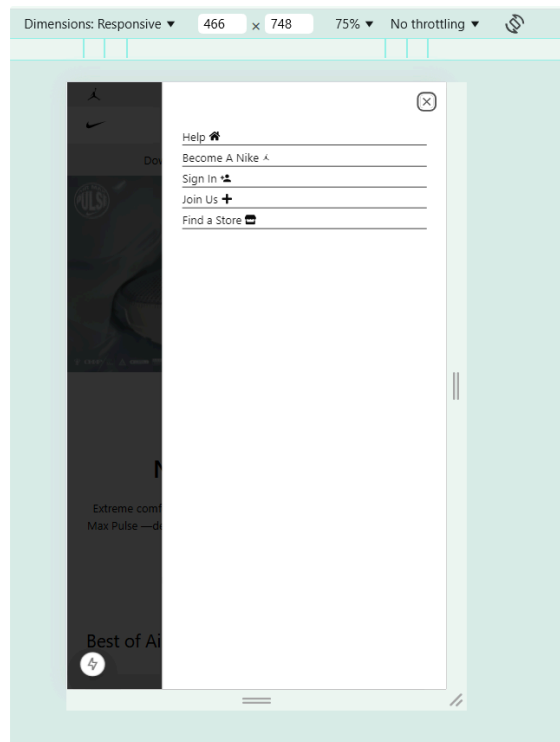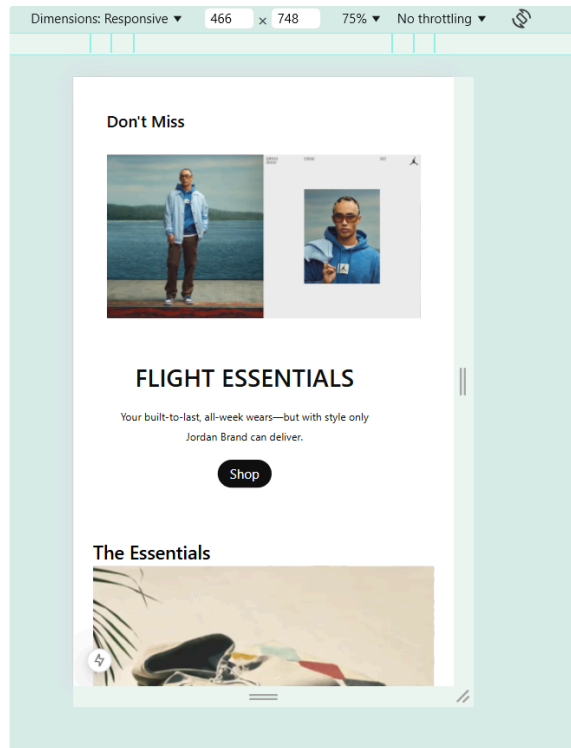
.Step 2: Error Handling:

```
const data = await sanity.fetch(query);
console.log("Fetched Products Data:", data);
setProducts(data);
} catch (error: any) {
console.error("Failed to Fetch Products:", error.message || error);
}
};
```

The API for my product is functioning perfectly.

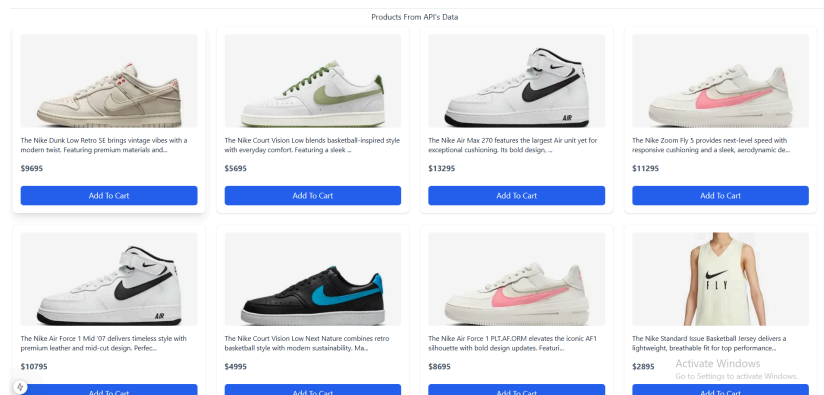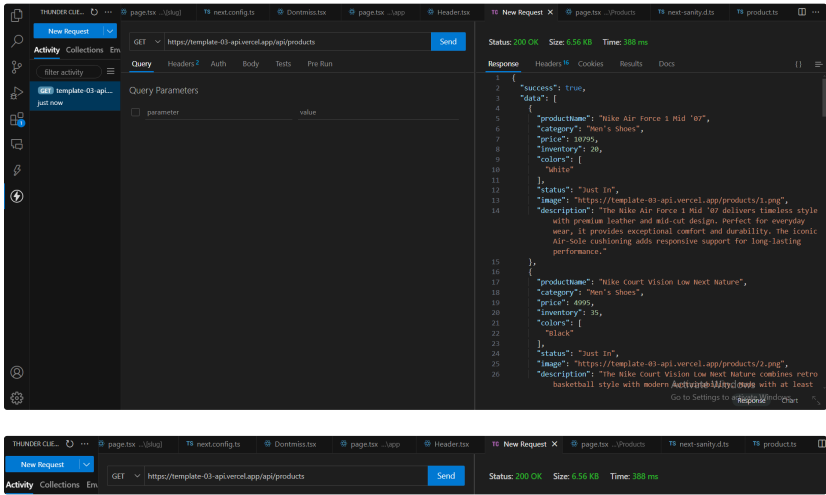## .Step 3 Postman API:

	Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
1	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	High	-	No issues found
2	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
3	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	-	Works as expected
4	TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful

. Step 3: Performance Optimization

http://localhost:3001/

38	90	100	100
Performance	Accessibility	Best Practices	SEO

38

Performance

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

▲ 0–49   ■ 50–89   ● 90–100

METRICS   Expand view

● First Contentful Paint
1.0 s

▲ Largest Contentful Paint
16.1 s

▲ Total Blocking Time
1,800 ms

■ Cumulative Layout Shift
0.203

● Speed Index

Activate
Go to Settin

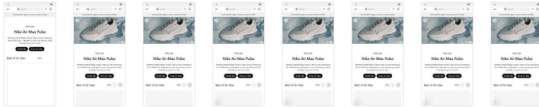
http://localhost:3001/

| 38 | 90 | 100 | 100 |

⊞ View Treemap

Show audits relevant to: **All** FCP LCP TBT CLS

DIAGNOSTICS

▲ Reduce JavaScript execution time — 3.0 s ⌄

▲ Minimize main-thread work — 4.2 s ⌄

▲ Largest Contentful Paint element — 16,130 ms ⌄

▲ Avoid large layout shifts — 1 layout shift found ⌄

▲ Largest Contentful Paint image was lazily loaded ⌄

▲ Reduce unused JavaScript — Potential savings of 302 KiB ⌄

▲ Page prevented back/forward cache restoration — 3 failure reasons ⌄

■ Minify CSS — Potential savings of 2 KiB ⌄

90

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.

NAMES AND LABELS

100

Best Practices

TRUST AND SAFETY

○	Ensure CSP is effective against XSS attacks	⌄
○	Use a strong HSTS policy	⌄
○	Ensure proper origin isolation with COOP	⌄

.Developer resources:

.Performance monitor:

. Security overview:

Dimensions: Responsive ▾   466 × 748   75% ▾

Elements   Console   Sources   Network   Performance   Memory   Application   Security ✕   Lighthouse ≫

First Look

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 mas.

Notify Me   Shop Air Max

Best of Air Max   Shop   ‹ ›

Security

ⓘ Overview

▾ Main origin

Reload to view details

Security overview

This page has a non-HTTPS secure origin.