

Market Place Technial Foundation

Nike

Hackathon Day 5: Testing And Backend Refinement

1. Test case id: Tc001

Objective: Ensure that all products are displayed correctly on the product listing page.

Steps to Execute:

- 1. Navigate to the Product Listing page.
- 2. Verify that all listed products are visible with their details, including name, price, and image.

Expected Outcome:

All products should be displayed without any missing information or broken elements.

Actual Outcome:

All products are displayed successfully.

Severity Level:

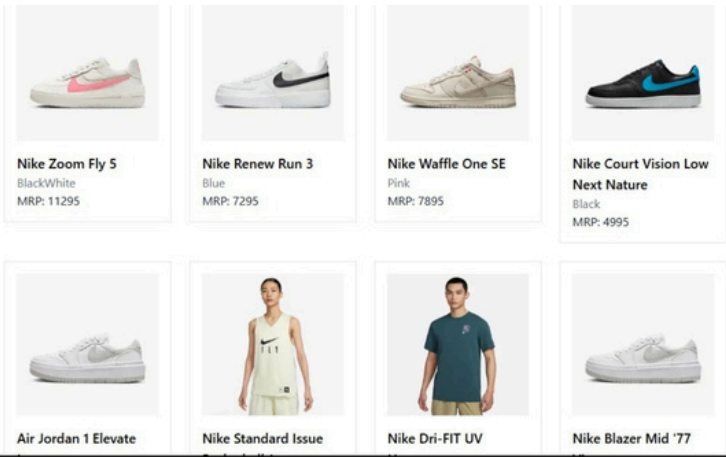
Low

Assigned To:

Not Assigned

Remarks:

No issues detected.



2. Test case id: Tc002

Objective: Validate API error handling and ensure appropriate error messages are displayed.

Steps to Execute:

1. Simulate a disconnected or invalid API query.
2. Refresh the page to trigger the API call.

Expected Outcome:

An error message should appear on the screen, notifying the user about the issue.

Actual Outcome:

The error message is displayed as: "Failed to fetch products. Please try again later."

Severity Level:

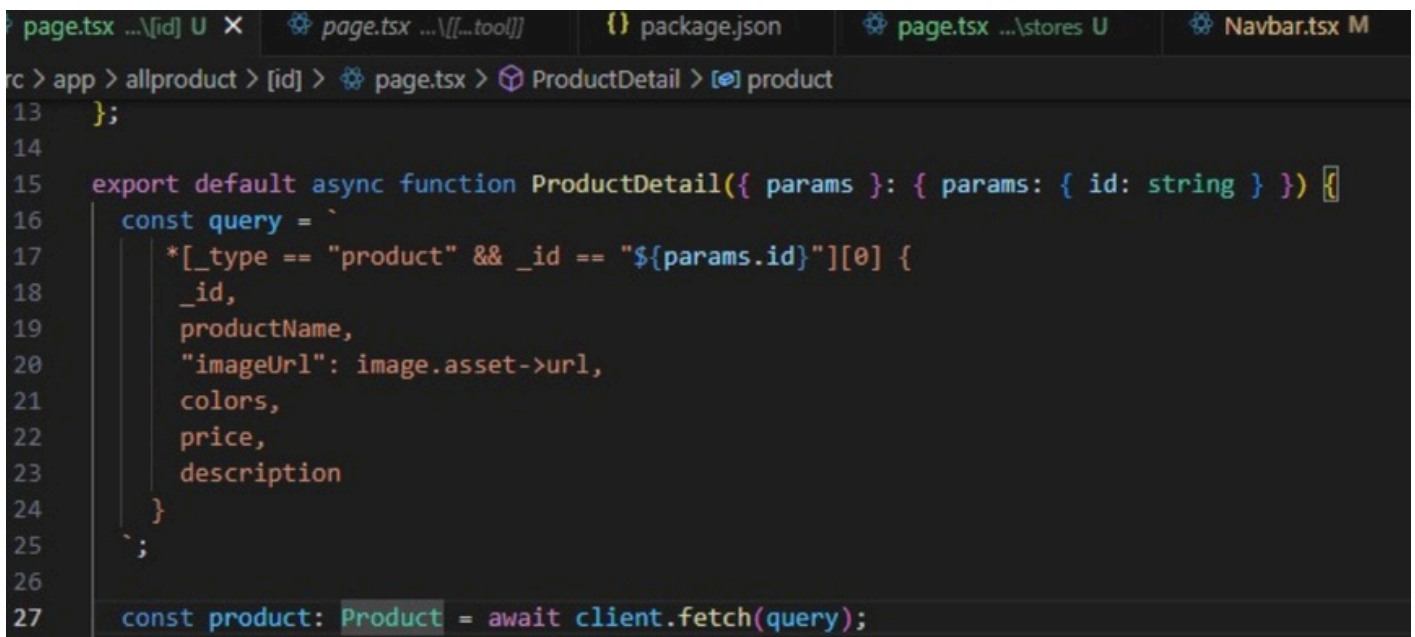
Low

Assigned To:

Not Assigned

Remarks:

Error is handled gracefully, and the message is user-friendly.



```
page.tsx ...\[id] U X  page.tsx ...\[[...tool]]  package.json  page.tsx ...\stores U  Navbar.tsx M
rc > app > allproduct > [id] > page.tsx > ProductDetail > [e] product
13  };
14
15  export default async function ProductDetail({ params }: { params: { id: string } }) {
16    const query = `
17      *[_type == "product" && _id == "${params.id}"][0] {
18        _id,
19        productName,
20        "imageUrl": image.asset->url,
21        colors,
22        price,
23        description
24      }
25    `;
26
27    const product: Product = await client.fetch(query);
```

3. Test case id: Tc003

Test Case Description: Validate the Accuracy of Cart Operations

Test Objective: Ensure that the cart correctly displays the products added by the user and that all functionality within the cart works as intended.

Test Steps:

1. Open the website and log in, if required.
2. Select a product from the catalog and click on the "Add to Cart" button.
3. Repeat step 2 for another product to validate multiple product additions.
4. Navigate to the cart page using the "Cart" icon or menu link.
5. Verify that all added products, quantities, and prices are displayed correctly.
6. Remove a product and ensure that the cart updates accordingly.

Expected Result:

The cart should display the correct products, quantities, and prices.
Removal of products should reflect immediately in the cart.

Actual Result:

The cart accurately displays products, quantities, and prices.
Removal works as expected.

Severity Level: Medium

Assigned To: -

Remarks: Successfully verified cart functionality.

Free Delivery applies to orders of ₹10,000 or more. [View details](#)



Nike Dri-FIT ADV TechKnit Ultra
Men's Short-Sleeve Running Top
Ashen Slate/Cobalt Bliss
Size: L | Quantity: 1

♥ Save 🗑 Remove

MRP: ₹ 3,895.00



Nike Air Max 97 SE
Men's Shoes
Flat Pewter/Light Bone/Black/White
Size: 8 | Quantity: 1

♥ Save 🗑 Remove

MRP: ₹ 16,995.00

Summary

Subtotal: ₹ 20,890.00

Estimated Delivery & Handling: Free

Total: ₹ 20,890.00

[Member Checkout](#)

4.Test case id: Tc004

Test Case Description: Verify Compatibility with Mobile Devices

Test Objective: Confirm that the application or website provides a responsive and user-friendly interface on mobile devices.

Test Steps:

- 1. Open the website in a desktop browser.
- 2. Launch the developer tools and enable the "Device Toolbar" to simulate a mobile device.
- 3. Select popular devices like iPhone, Samsung Galaxy, etc., to test responsiveness.
- 4. Verify that all elements, including navigation menus, buttons, and images, adapt to the screen size.
- 5. Check for any overlapping, misaligned, or missing content.

Expected Result:

The website should adjust its layout and functionality to match the screen size of the selected device. All elements should remain usable and visible.

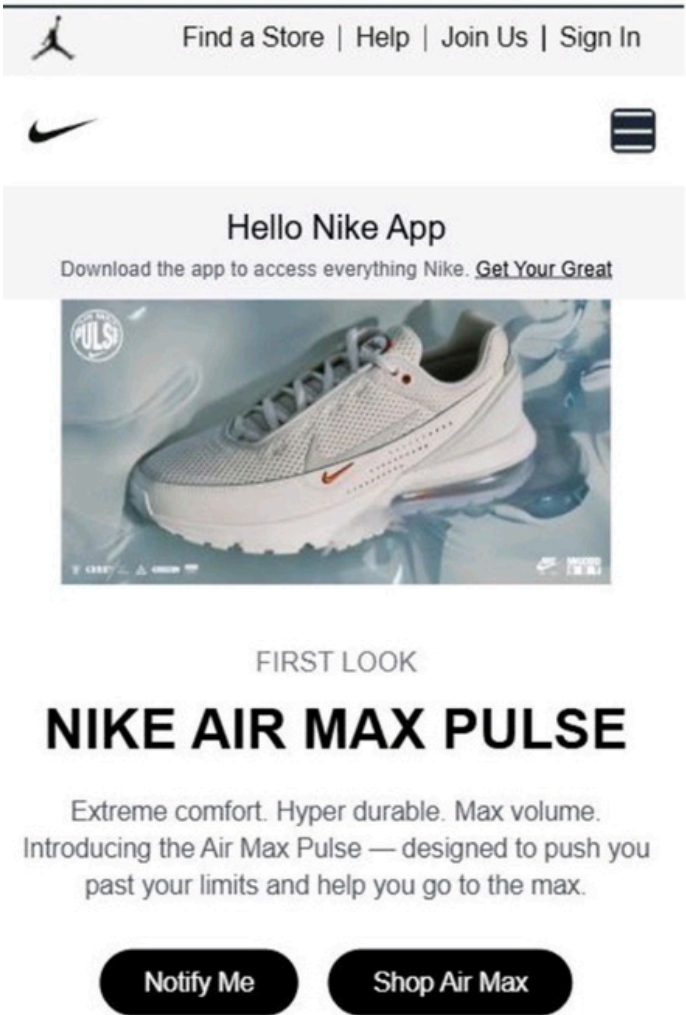
Actual Result:

The website adapts properly, maintaining usability and design integrity.

Severity Level: Medium

Assigned To: -

Remarks: Responsiveness validated for mobile devices.



5.Test case id: Tc005

Heading: Search Bar Validation for Irrelevant Entries

Test Objective: Ensure the search bar provides appropriate feedback when irrelevant or invalid items are searched.

Test Steps:

1. Navigate to the search bar on the homepage.
2. Input a term that is not included in the current product catalog (e.g., random or made-up words).
3. Observe the system's response and verify the dropdown behavior.

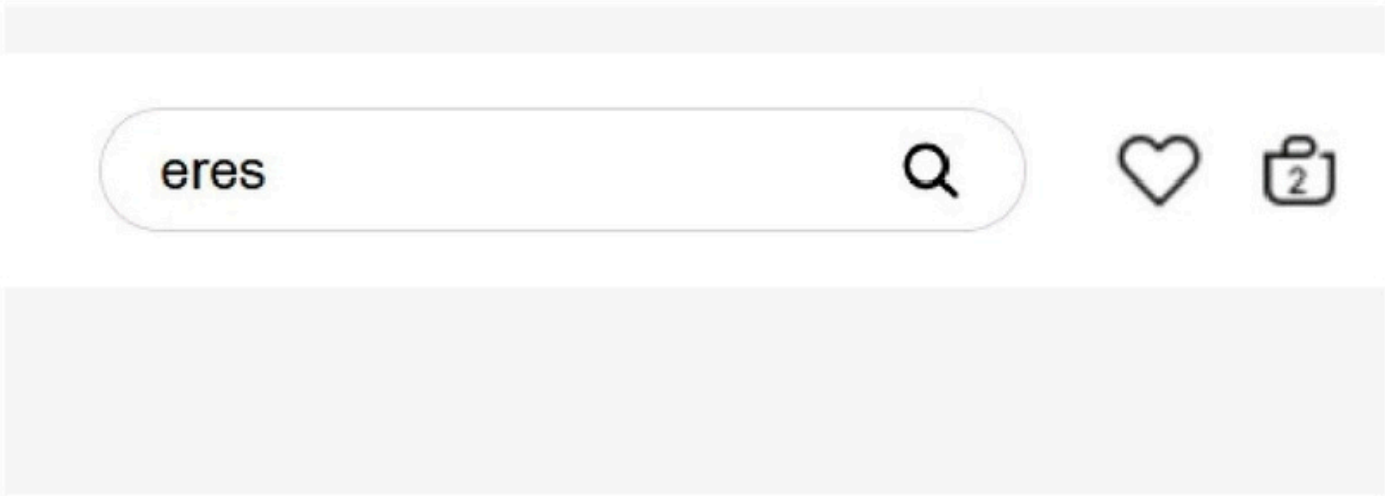
Expected Outcome: A dropdown should appear with the message "No Product Found" for unlisted items, ensuring users are aware no matches exist.

Actual Outcome: The dropdown does not appear when searching for irrelevant items.

Severity Level: High (affects user experience).

Priority: Critical, as it impacts user interaction with the search functionality.

Remarks: The search bar should consistently display feedback for unlisted items to avoid user confusion.



6.Test case id: Tc006

Test Case Description: Ensure Proper Functionality of Product Detail Pages

Test Objective: Verify that product detail pages load dynamically and display complete and accurate information.

Test Steps:

1. Navigate to the product listing page.
2. Click on a product to open its detail page.
3. Confirm that the product name, price, description, images, and other relevant details are displayed.
4. Verify the availability of actions like "Add to Cart" or "Save for Later."
5. Repeat the steps with multiple products to ensure consistency.

Expected Result:

The detail page for each product should load quickly and dynamically.
All product details and available actions should be displayed correctly.

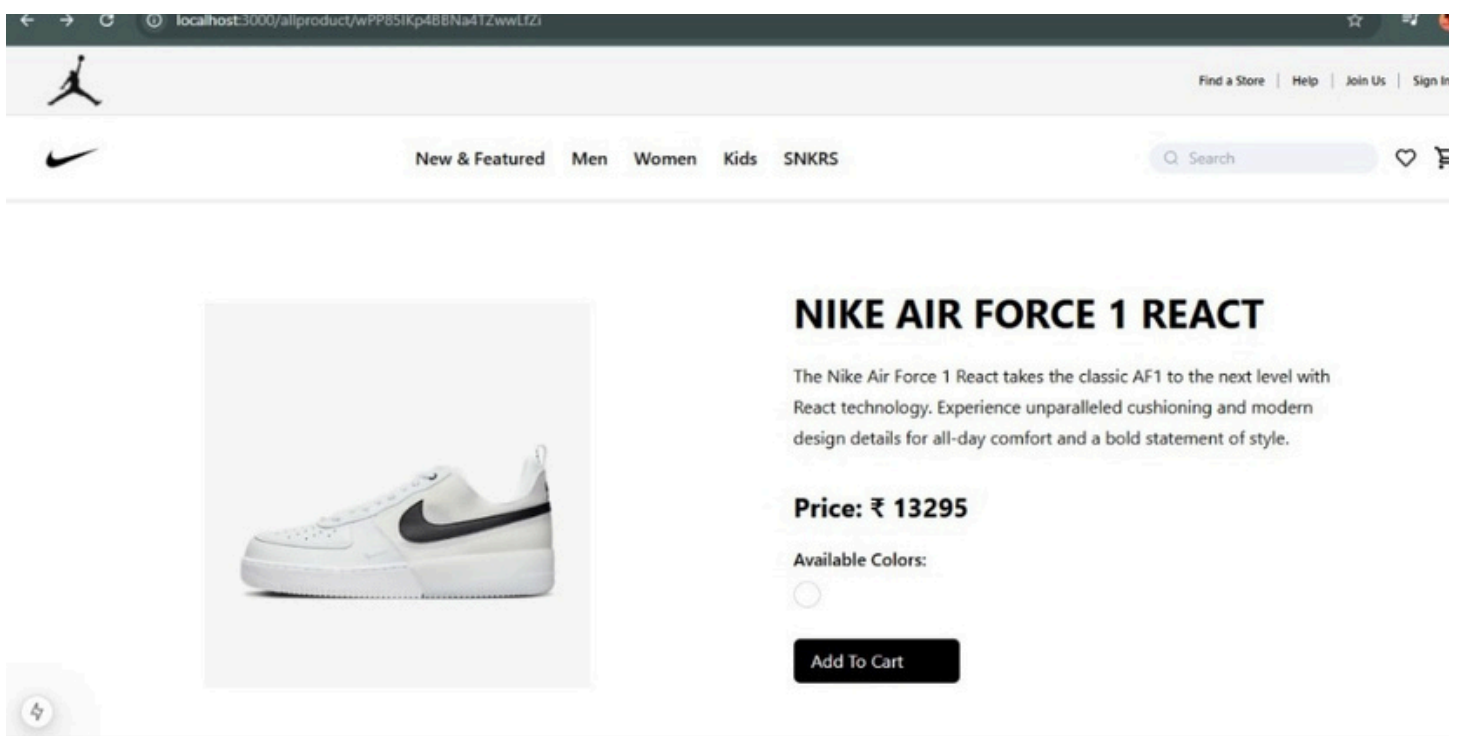
Actual Result:

The detail pages load dynamically and display accurate information.

Severity Level: Low

Assigned To: -

Remarks: Product detail page functionality validated successfully.



7.Test case id: Tc007

Heading: Cross-Browser Compatibility Testing

Test Objective: Verify the website's performance across various browsers to ensure consistent user experience.

Test Steps:

1. Open different browsers such as Chrome, Firefox, Safari, and Yahoo.
2. Access the website's homepage and navigate through key features like product categories, search bar, and cart.
3. Test responsiveness by resizing browser windows.
4. Compare the visual appearance and performance across all tested browsers.

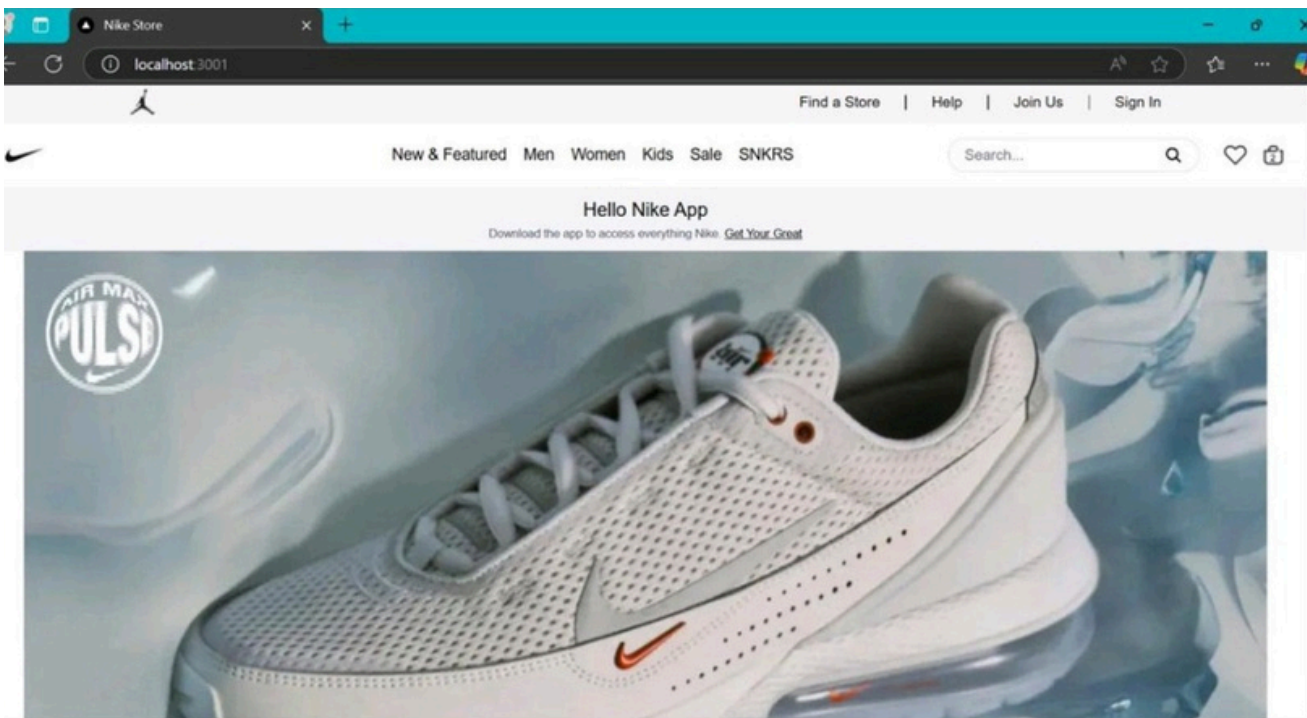
Expected Outcome: The website should load and function identically across all browsers without performance or layout issues.

Actual Outcome: The website works as intended across all tested browsers.

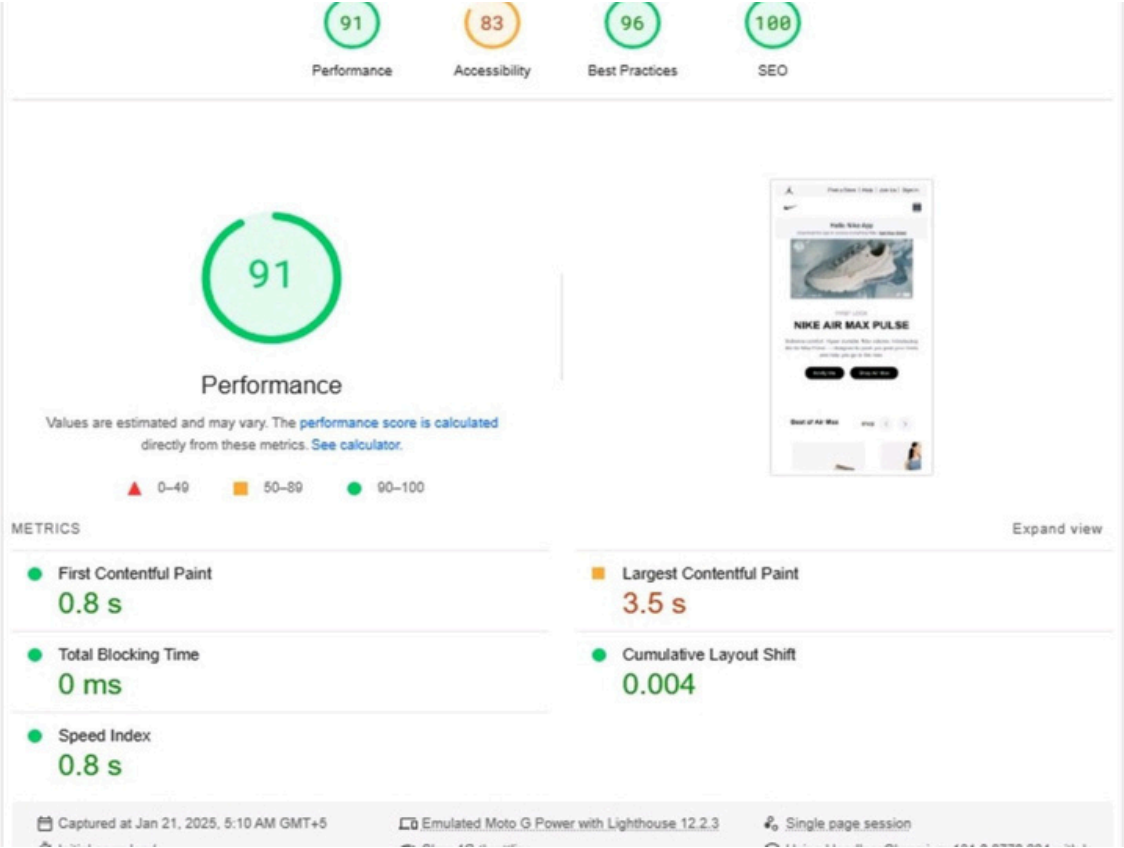
Severity Level: Low (since the system behaves as expected).

Priority: Low.

Remarks: Test was successfully completed without any discrepancies.



Performance Optimization Steps Taken



Checklist:

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

