

# Day5 : Testing and Backend Refinement

## Overview:

So basically, day 5 is about error handling hoe to handle errors their solutions and testing our website and about the performance of it ..

## Product Listing

### Objective:

Verify that the product listing page is displaying correctly and the API is successfully fetching product data.

### Test Summary:

#### 1. Product Listing Page:

- Verified that the page loads correctly, displaying product details).
- **Status:** Passed

#### 2. API Functionality:

- Tested API response for fetching product data. Data returned was valid,
- **Status:** Passed.

#### 3. Error Handling:

- Simulated API failure and ensured the system showed a proper error message.
- **Status:** Passed

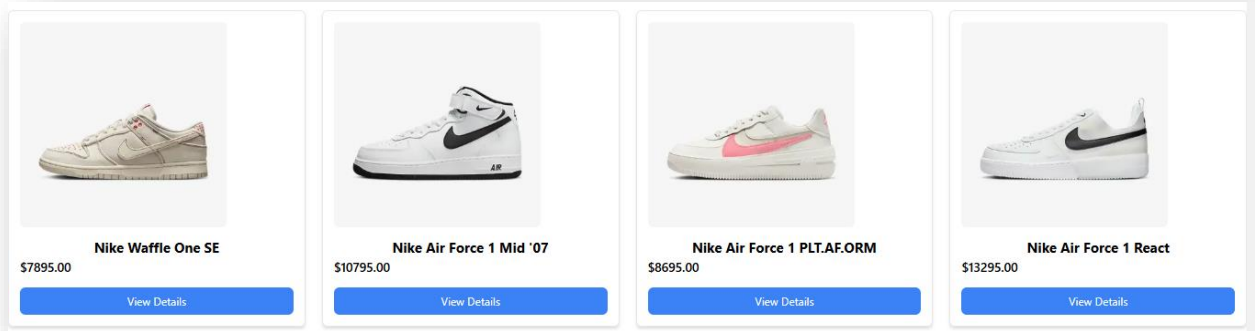
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### Conclusion:

Both the product listing page and API are functioning correctly. No issues were found during testing.

### Recommendation:

Ready for deployment.



## Cart

### Objective:

Verify the functionality of the cart page and identify issues related to dynamic access and image accessibility.

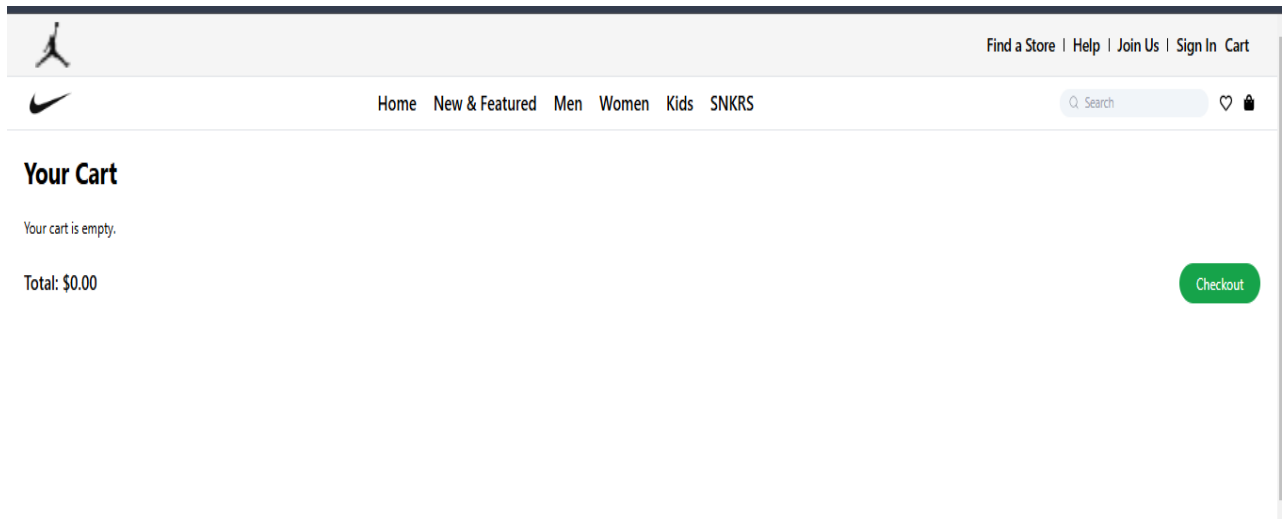
### Test Summary:

1. **Cart Page Functionality:**
  - The cart page displays added items with correct details (name, quantity, price).
  - **Status:** Passed
2. **Dynamic Access Issue:**
  - The cart page cannot be accessed dynamically (e.g., via direct URL or external navigation).
  - **Status:** Failed
3. **Image Accessibility:**
  - Images on the cart page are not accessible or are not loading correctly.
  - **Status:** Failed

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### Conclusion:

- The cart page displays items correctly, but dynamic access and image loading are not functioning as expected.
- **Result:** Investigating and fixing issues with dynamic access and image loading.



## **Product Detail**

### **Objective:**

Verify the functionality of the product detail page, focusing on data display and image accessibility.

### **Test Summary:**

#### **1. Product Detail Page Functionality:**

- The product detail page displays all relevant information (name, price, description) correctly.
- **Status:** Passed

#### **2. Image Accessibility:**

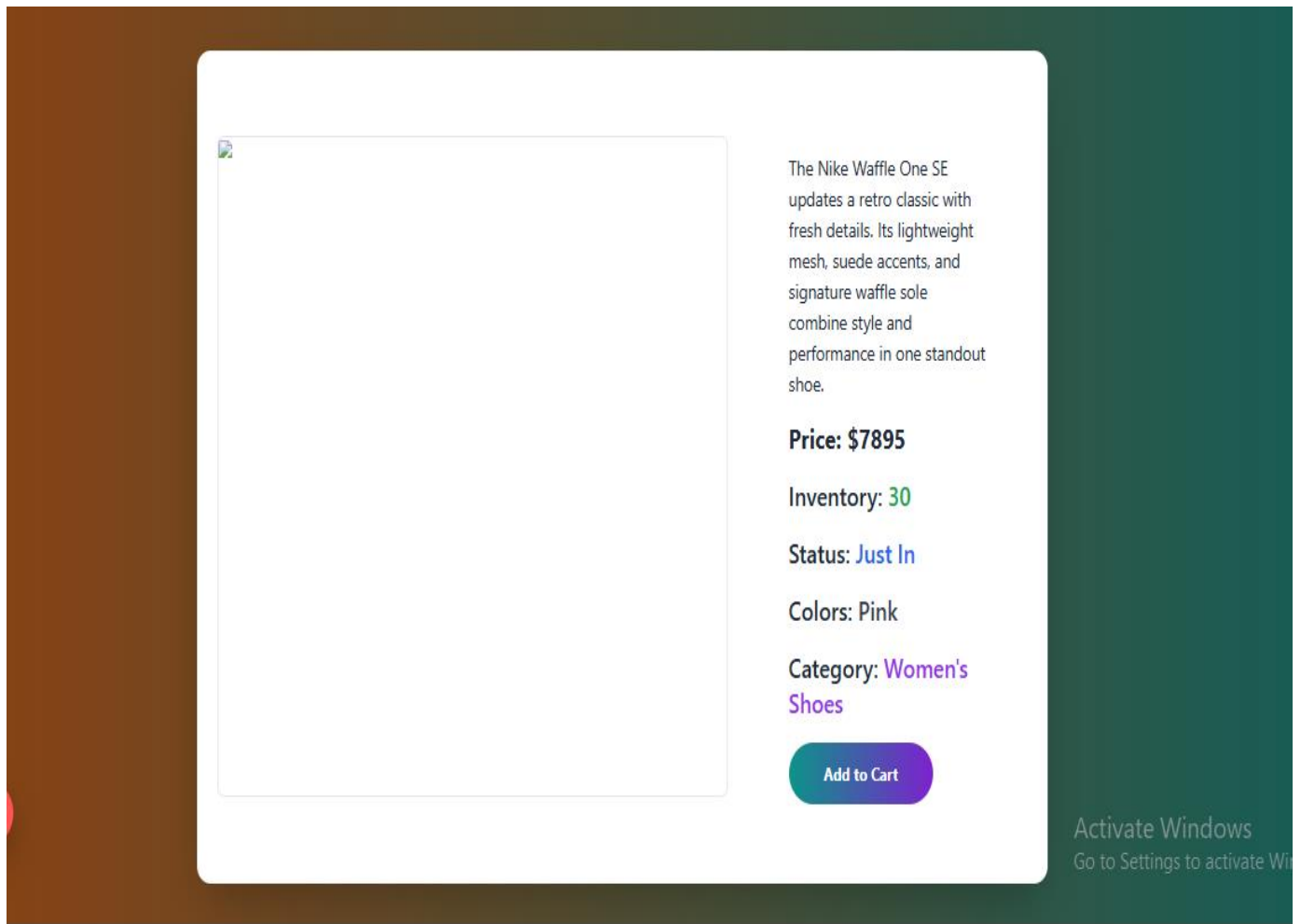
- The product image is not accessible or failing to load on the page.
- **Status:** Failed

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### **Conclusion:**

- The product detail page is functioning as expected, with correct product information displayed.
- **Issue:** The product image is not loading or accessible.

**Result:** Investigating and resolving the image loading issue.



## CheckOut

### Objective:

Verify the functionality of the checkout page, including button navigation and dynamic access.

### Test Summary:

#### 1. Checkout Page Access:

- The checkout page is accessible via the button and can be dynamically accessed without issues.

- **Status:** Passed

## 2. Checkout Page Functionality:

- The checkout page works perfectly, displaying all necessary fields
  - 
  - **Status:** Passed
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## Conclusion:

- The checkout page is fully functional, and dynamic access via the button is working as expected.

**Result:** No issues found; ready for deployment.

# **Responsiveness**

## Objective:

Verify the responsiveness and functionality of the product list, cart, checkout pages, header, and product detail page.

## Test Summary:

### 1. Product List Page:

- The product list page is fully responsive across desktop, tablet, and mobile devices. Elements resize and adjust correctly for all screen sizes.
- **Status:** Passed

### 2. Cart Page:

- The cart page is responsive, adjusting layout and elements for various screen sizes, ensuring a smooth user experience.
- **Status:** Passed

### 3. Checkout Page:

- The checkout page is fully responsive and displays all necessary fields and buttons correctly on all devices.
- **Status:** Passed

### 4. Footer:

- The footer is fully responsive, adjusting its layout appropriately for different screen sizes without breaking.
- **Status:** Passed

### 5. Header:

- The header is not fully responsive and does not adjust correctly on smaller screen sizes (e.g., mobile). Some elements overlap or don't scale properly.
- **Status:** Failed

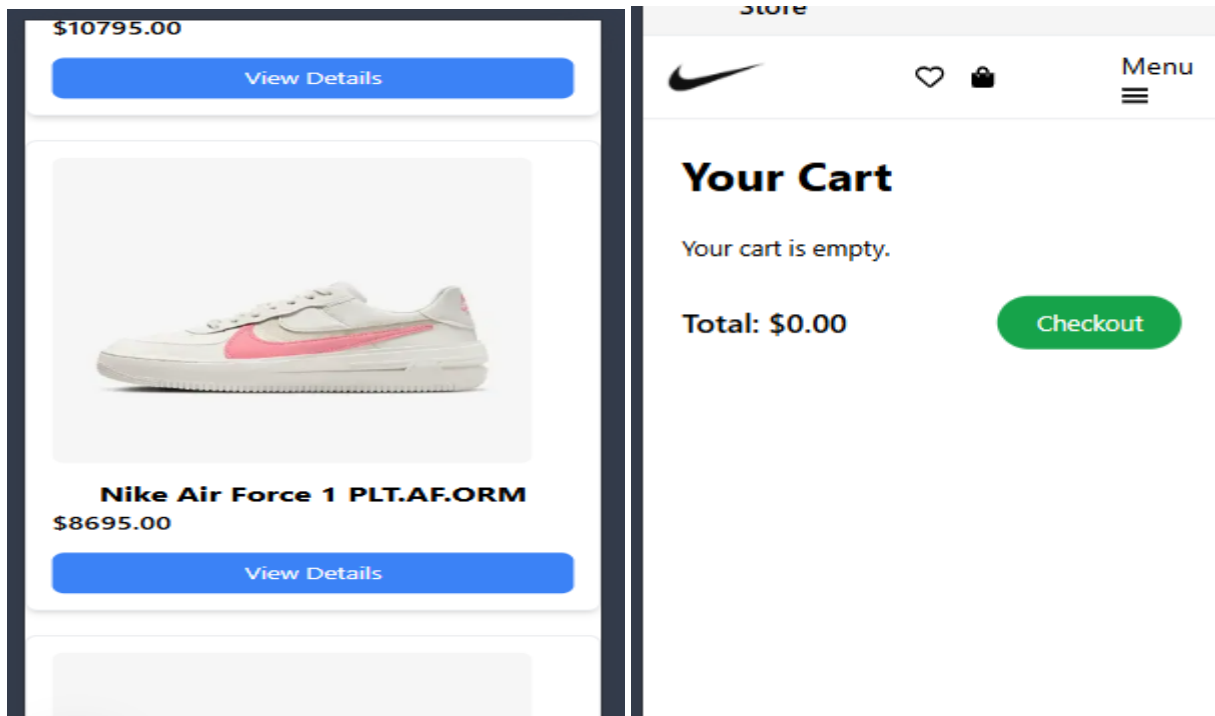
### 6. Home Page:

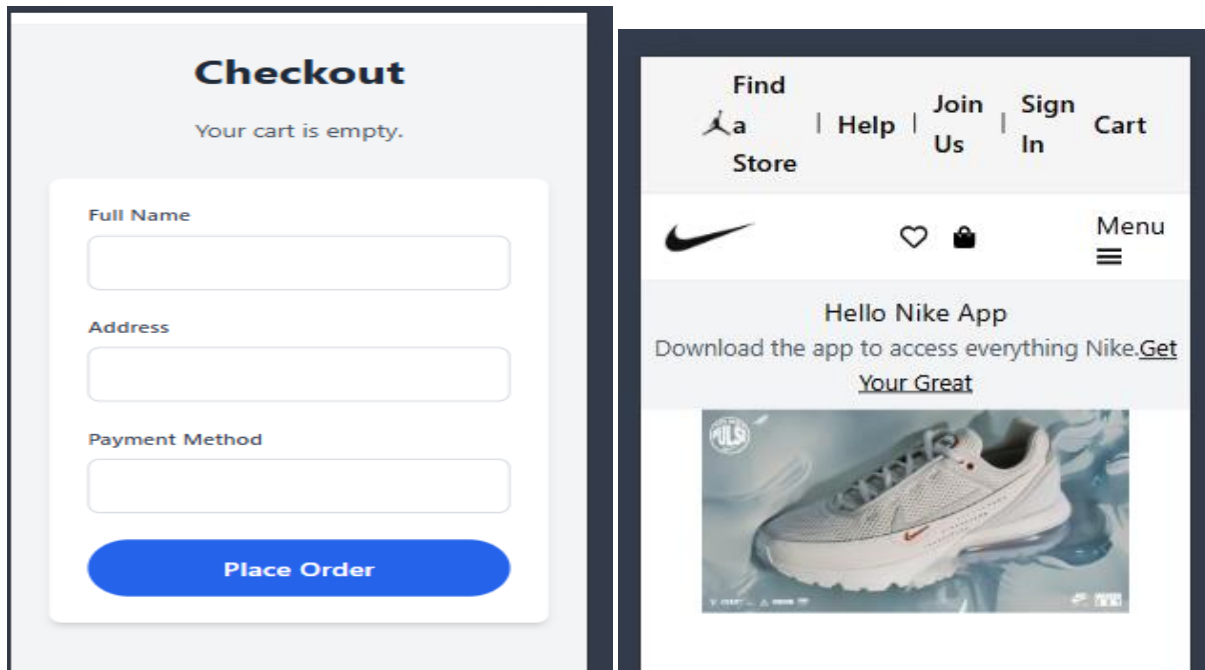
- The home page is mostly responsive but has minor layout issues in some areas (e.g., misalignment or broken layout on certain screen sizes).
  - **Status:** Failed
7. **Product Detail Page:**
- The product detail page functions well, but there is a minor issue (e.g., a small alignment problem or missing detail) that needs attention.
  - **Status:** Failed

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## Conclusion:

- Most pages (Product List, Cart, Checkout, and Footer) are fully responsive and functioning well. However, the **Header**, **Home Page**, and **Product Detail Page** have some responsiveness issues that need to be addressed.
- **Result:** Reviewing and fixing the responsiveness issues with the Header, Home Page, and Product Detail Page.





## **Sign-Up/Login Pages:**

- Responsive, but not accessible due to issues with form submission and page navigation.
- **Status:** Failed

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Sign In.'."/>

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Password

First Name

Last Name

Date of Birth

Get a Nike Member Reward every year on your Birthday.

India

☐ Male ☐ Female

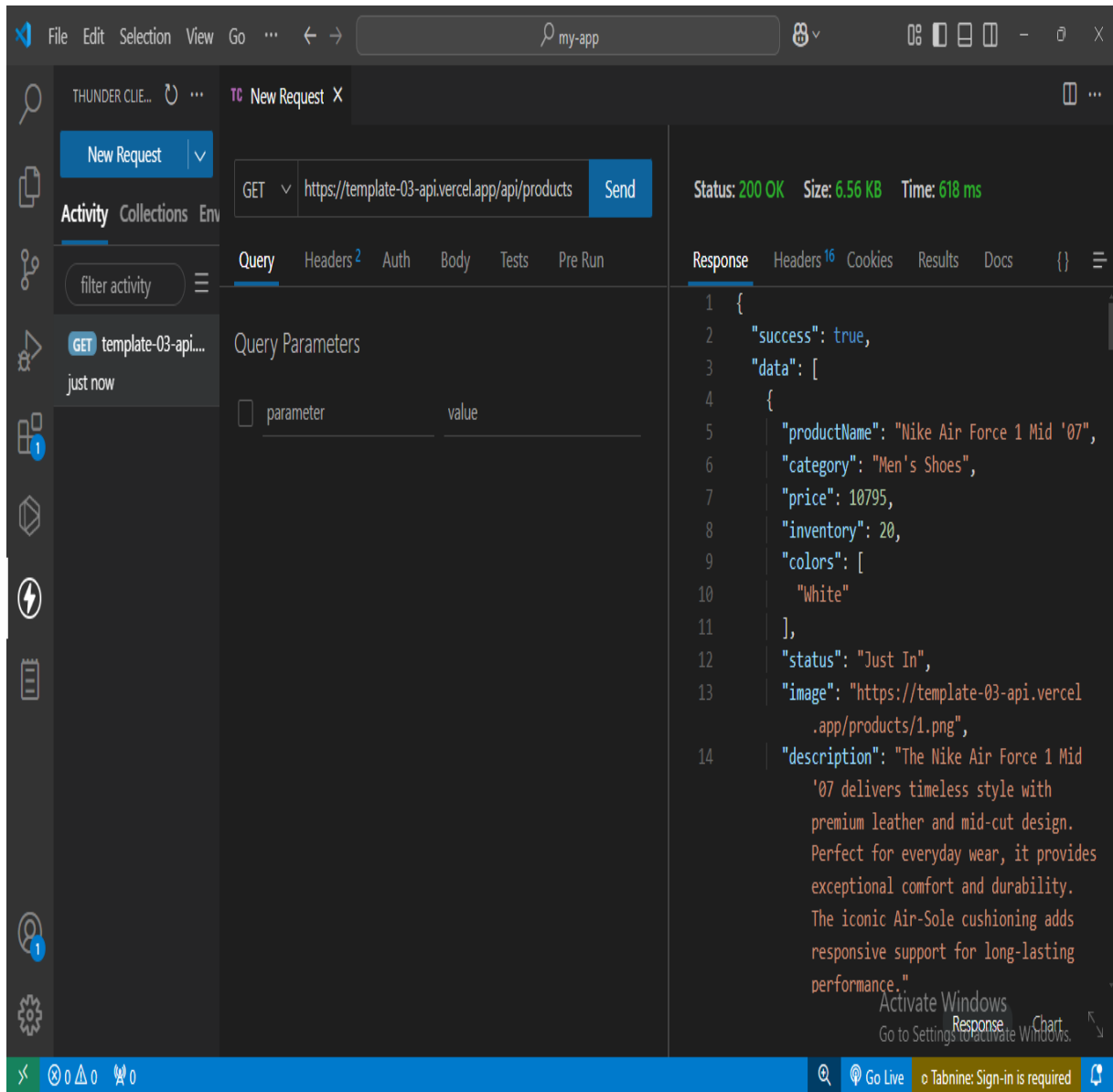
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# Tested API'S with Thunder Client

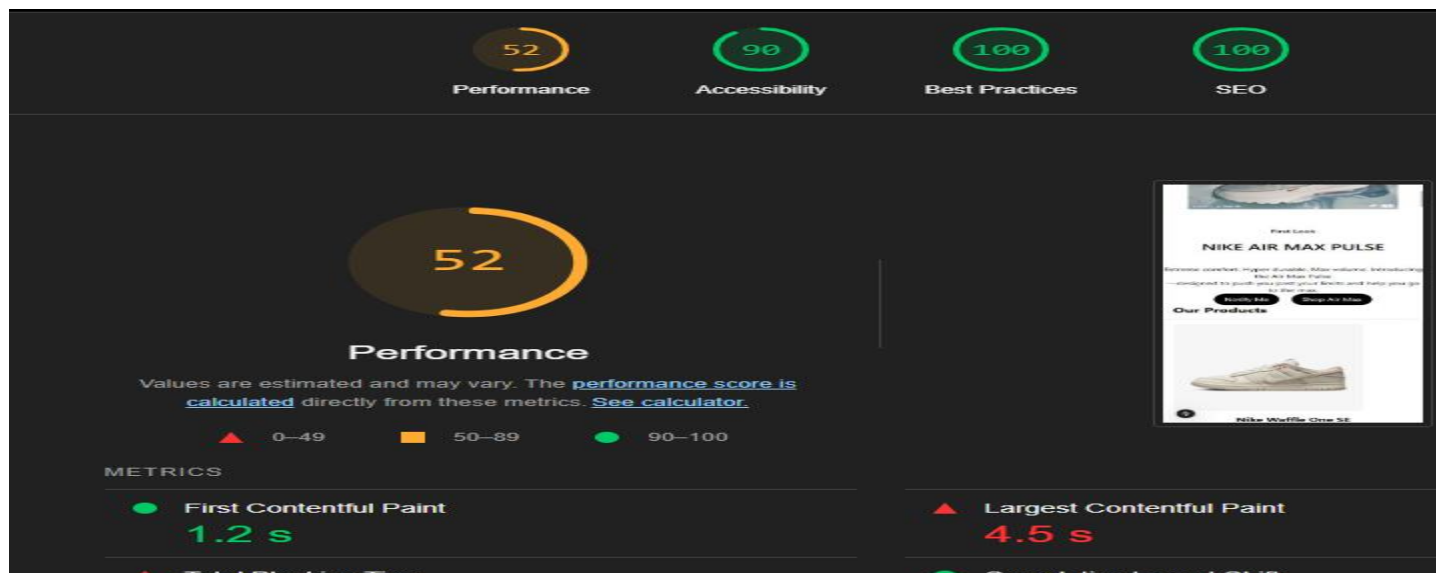


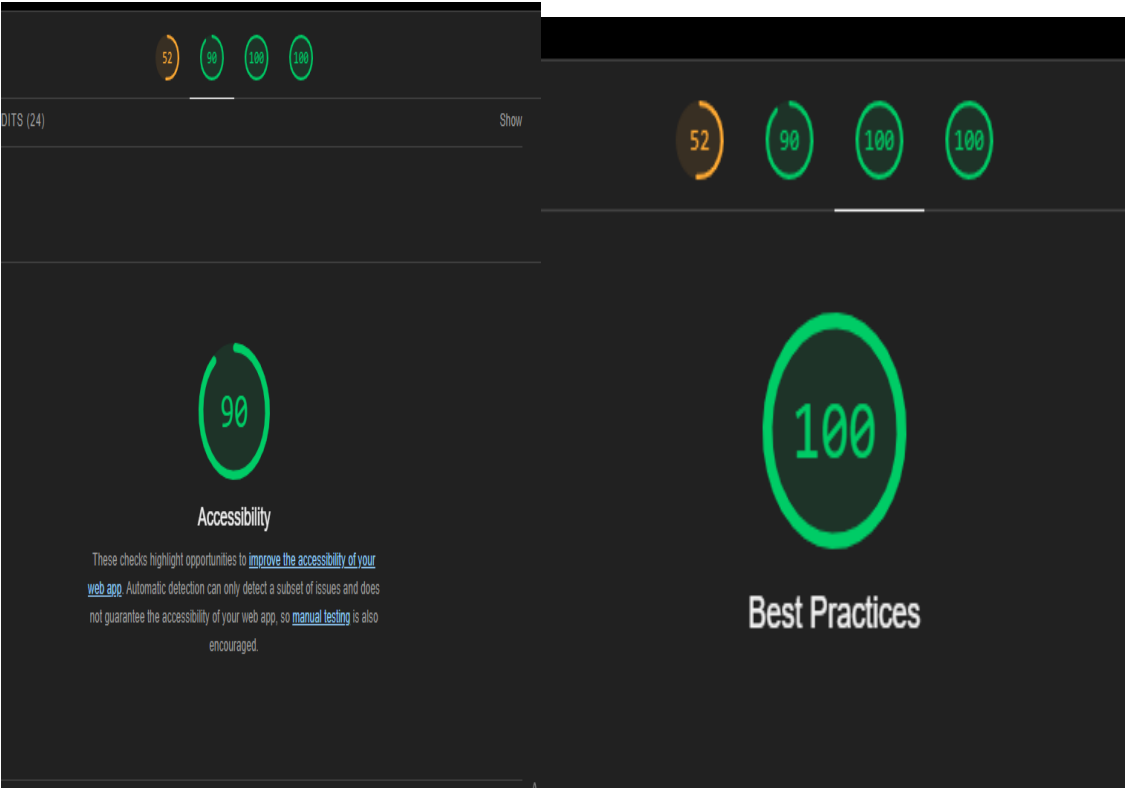
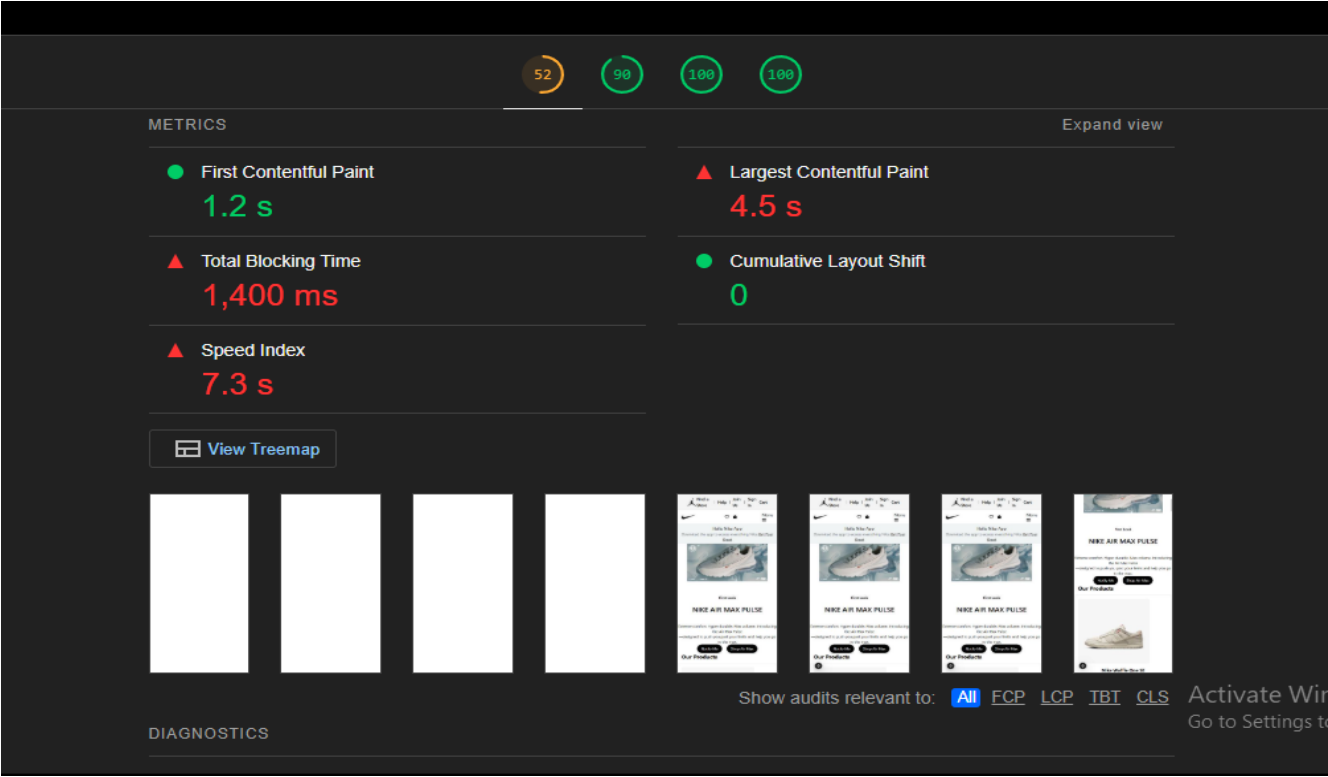
## Table



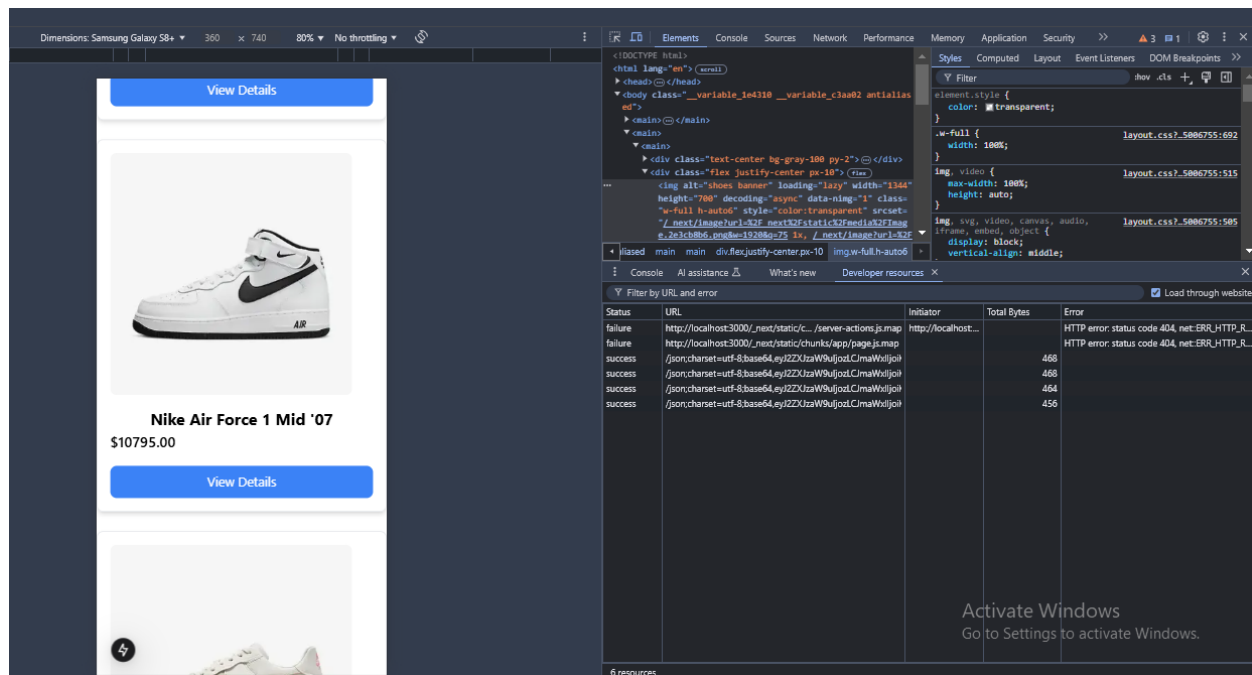
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	High		No issues found
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	Low	-	Not working properly
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

## Testing Through Lighthouse





# Developer Resources



## Conclusion

Overall, the product listing and checkout pages are ready for deployment, while further work is required on the cart page, product detail page, header, home page, and sign-up/login pages. Once the identified issues are resolved, the website will be closer to a successful deployment.

## *The END..!*