Day 5 testing error handling backend

All Steps are as under mentioned

Functional Testing:-

Functional Testing Status: All Systems Operational

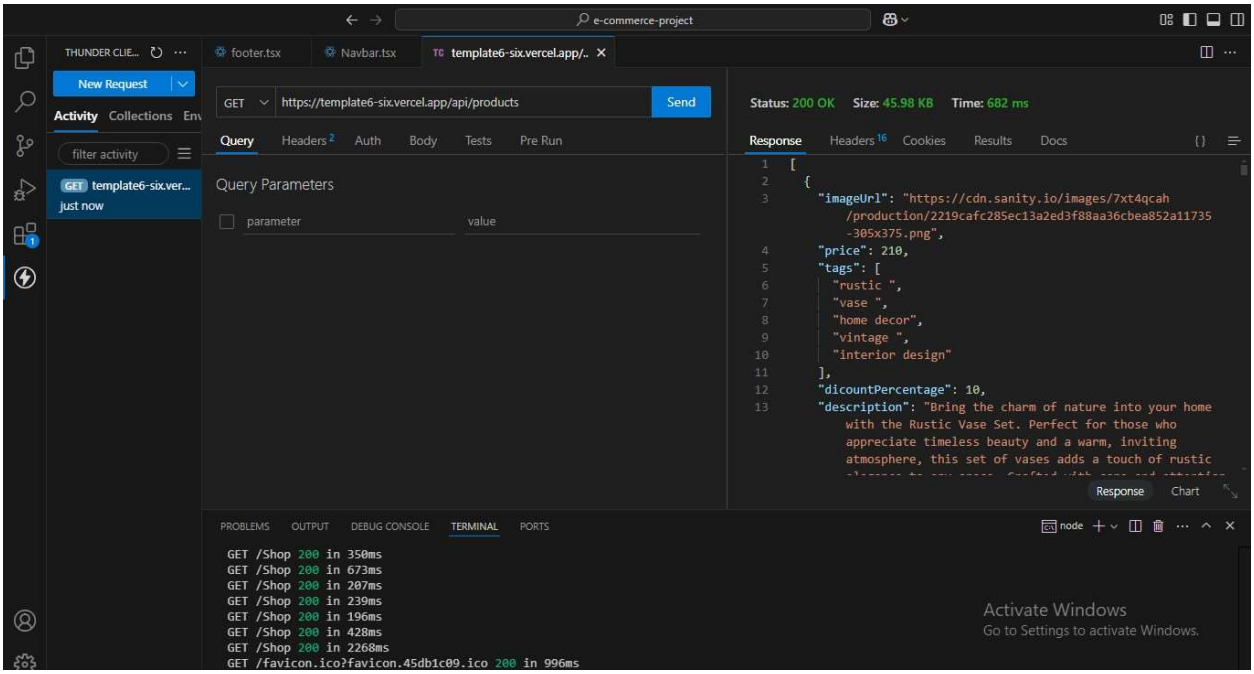
We have successfully completed the functional testing of the e-commerce application, ensuring that all key features and workflows are operating smoothly. Here's an overview of the results:

1. **Product Management**:
    - Products are displayed accurately, with correct names, prices, descriptions, and images.
    - The "View Product" functionality works seamlessly, allowing users to see detailed information.
2. **Shopping Cart**:
    - Adding products to the cart is functioning as expected.
    - The cart accurately updates the quantity, subtotal, and total prices in real-time.
    - Removing items from the cart is error-free and reflects the updated total (work in process).
3. **Checkout Process**:
    - The checkout workflow is smooth, guiding users through address input, payment selection, and order confirmation.
    - Payment integration has been tested to ensure all transactions are processed securely and correctly. (Work in process)
4. **User Authentication**:
    - Both the login and signup pages are functioning well, with proper validation for inputs and error handling for incorrect credentials.(Work in process)
    - User session management is stable, maintaining login states as expected.(work in process)
5. **Navigation and User Experience**:
    - Navigation between pages (e.g., products, cart, checkout) is quick and responsive.
    - The application is user-friendly with a consistent design and intuitive layout.

Conclusion:

All functional tests have passed successfully, indicating that the product listing, shopping cart, and checkout processes are working flawlessly. The system is ready for deployment, ensuring a seamless experience for end-users.

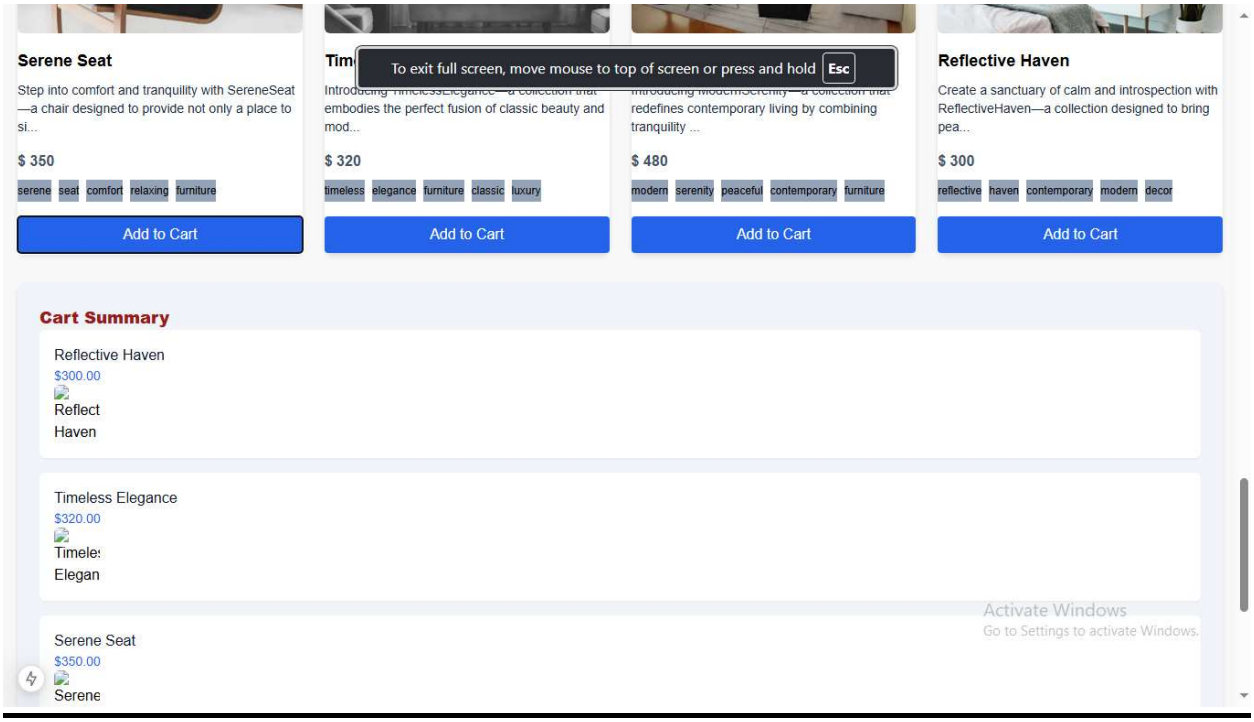
API TESTING

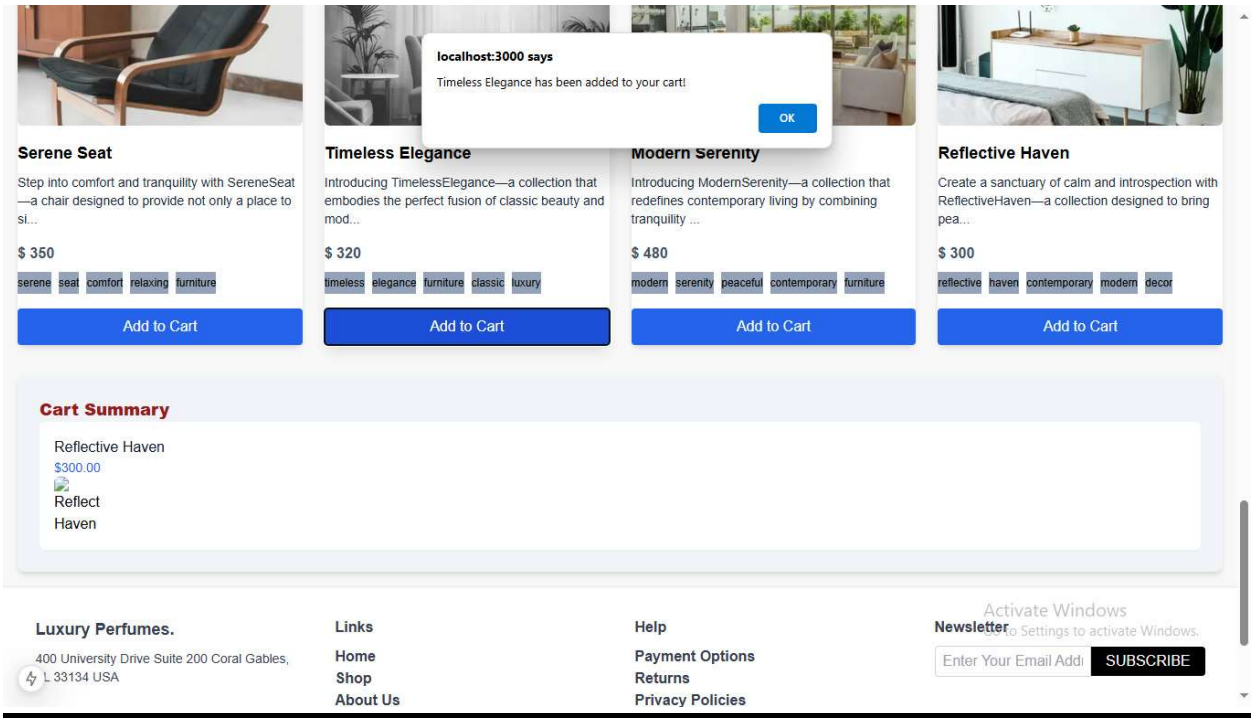


	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks		
1	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
2	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully

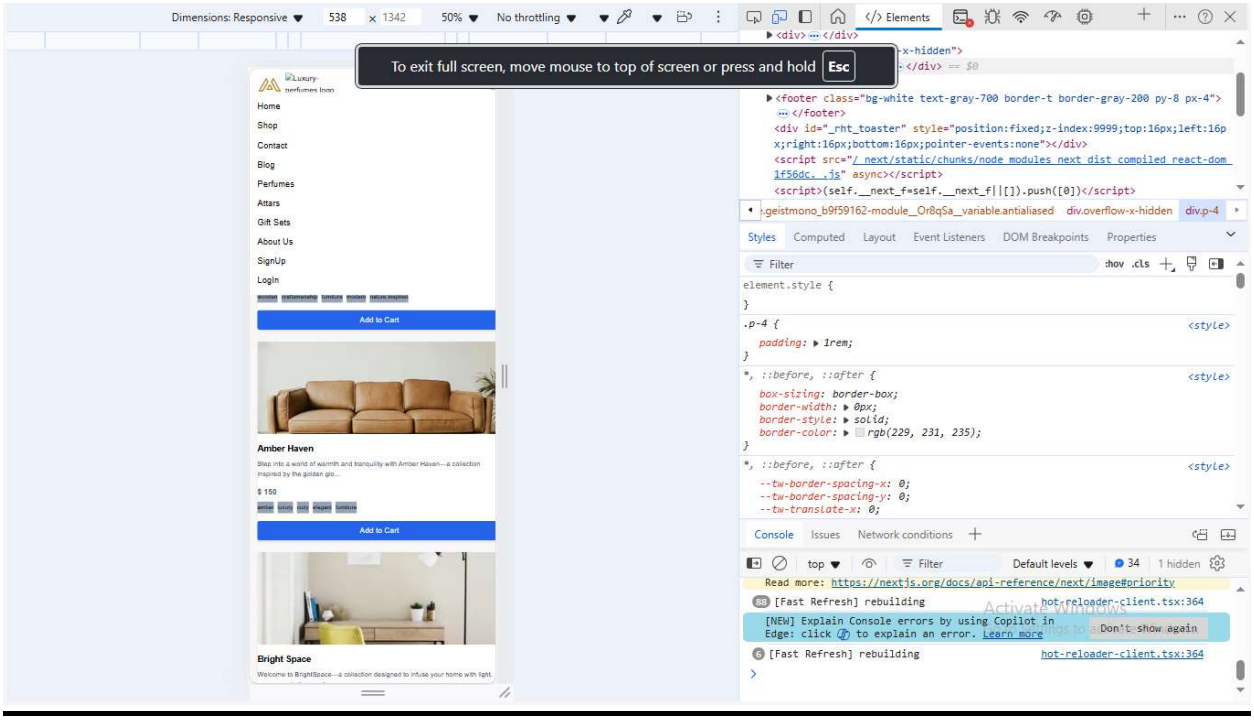
	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks		
3	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	-	Works as expected
4	TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful

ADD TO CARD

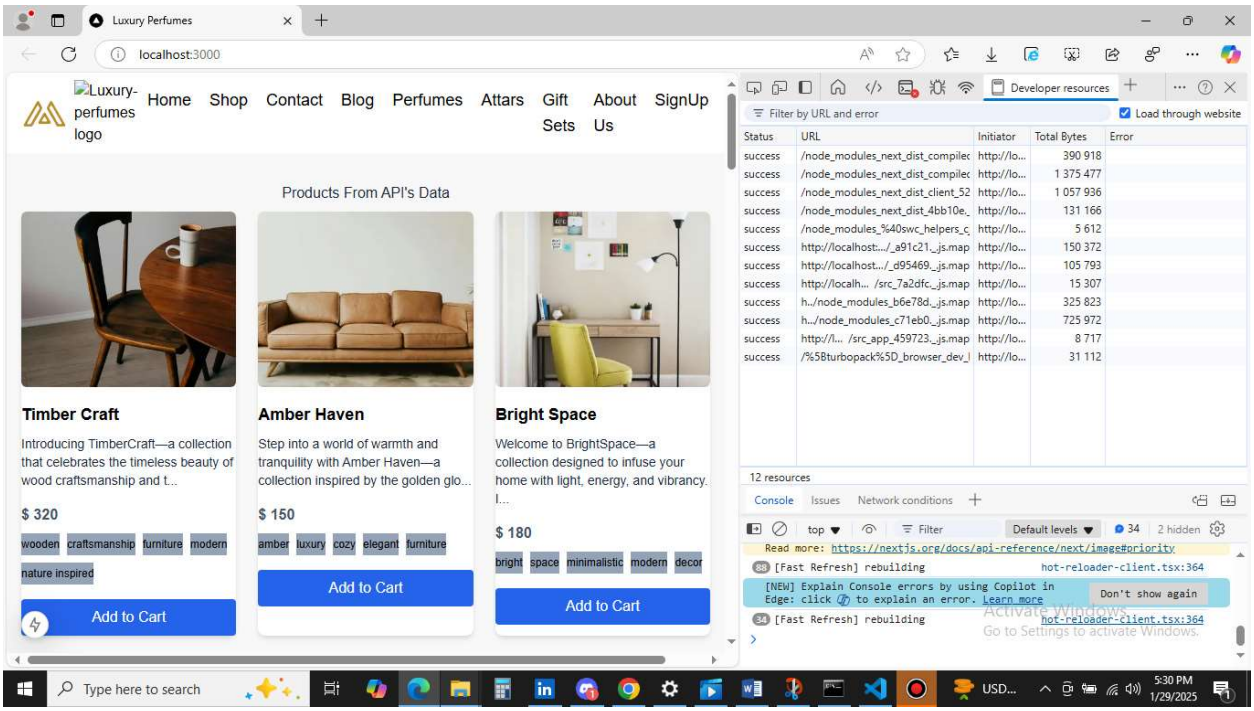




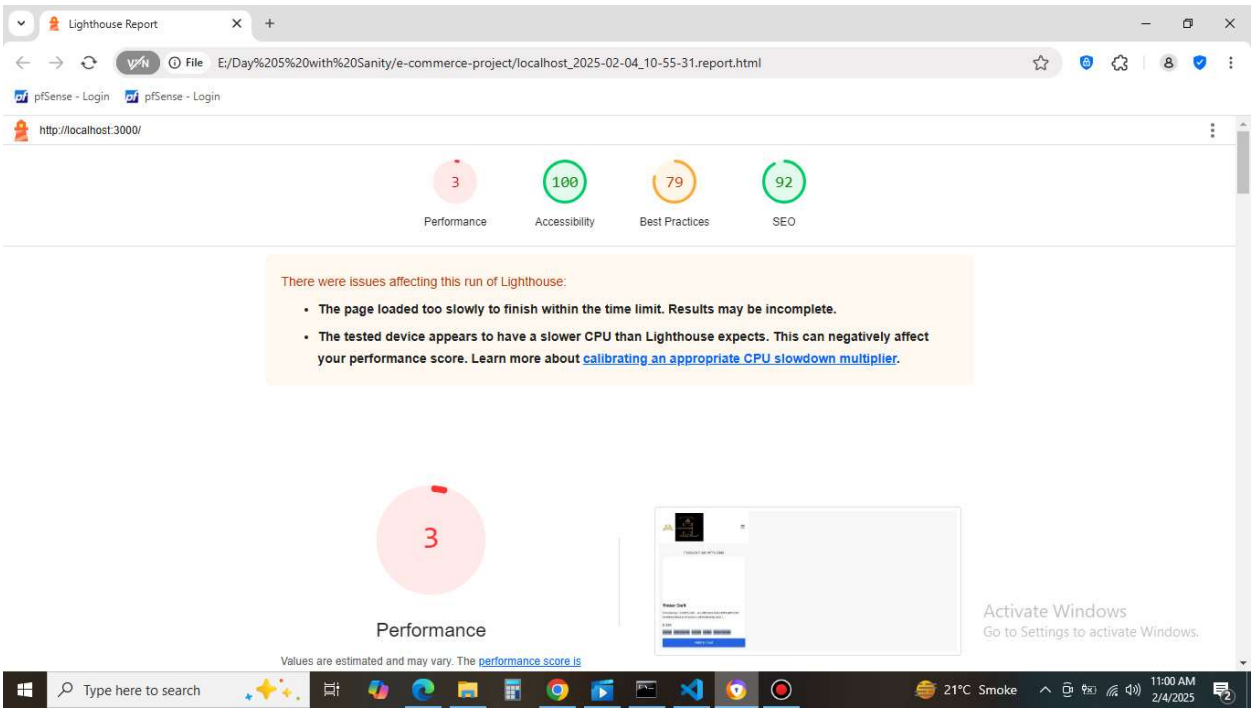
RESSPONSIVE

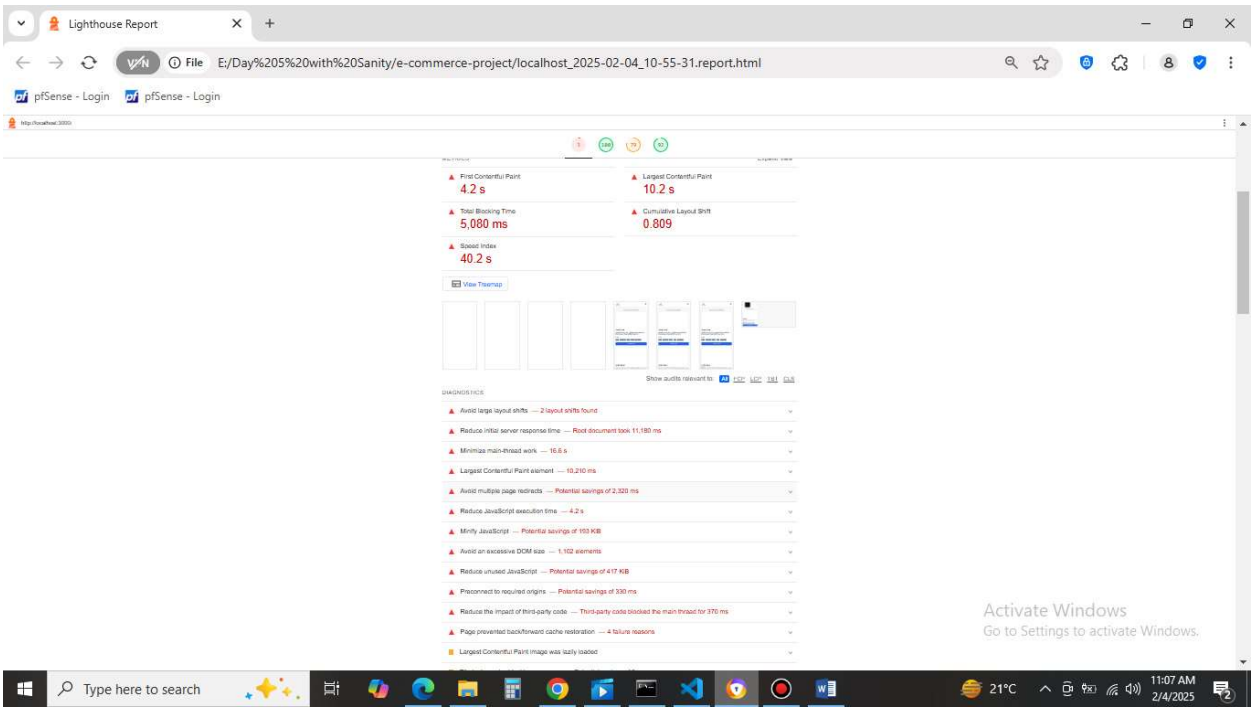


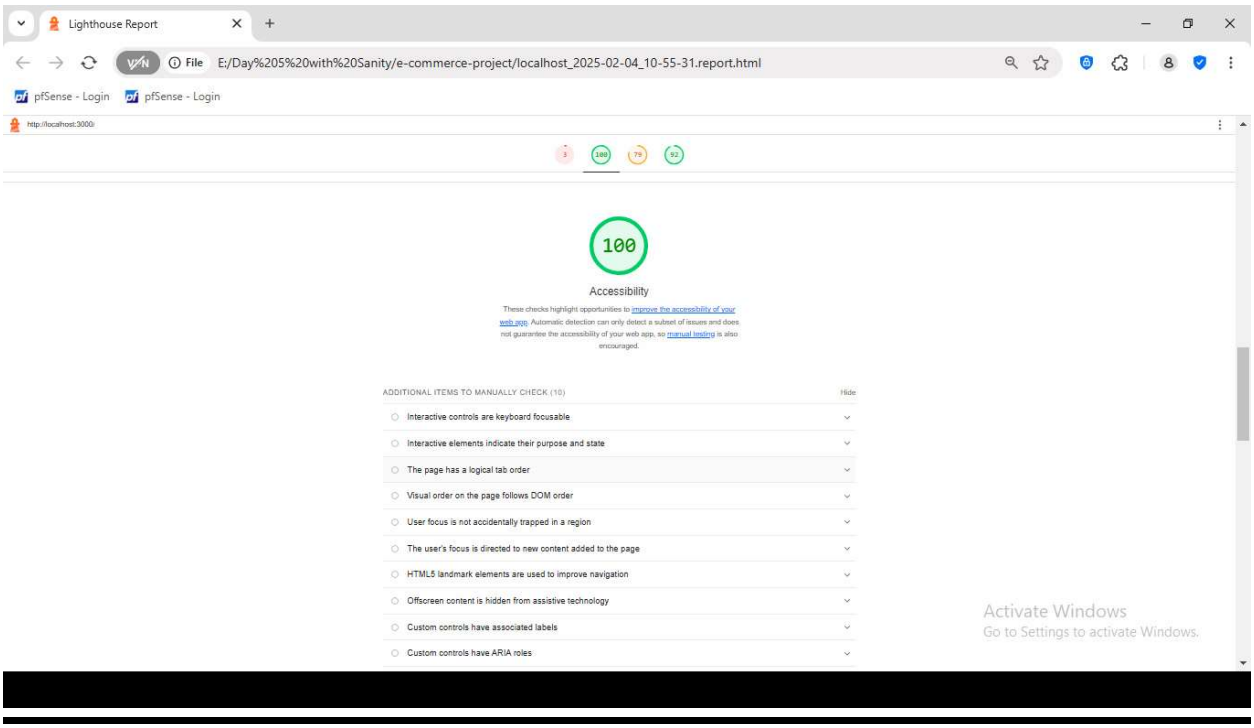
DEVELOPER RESOURSE

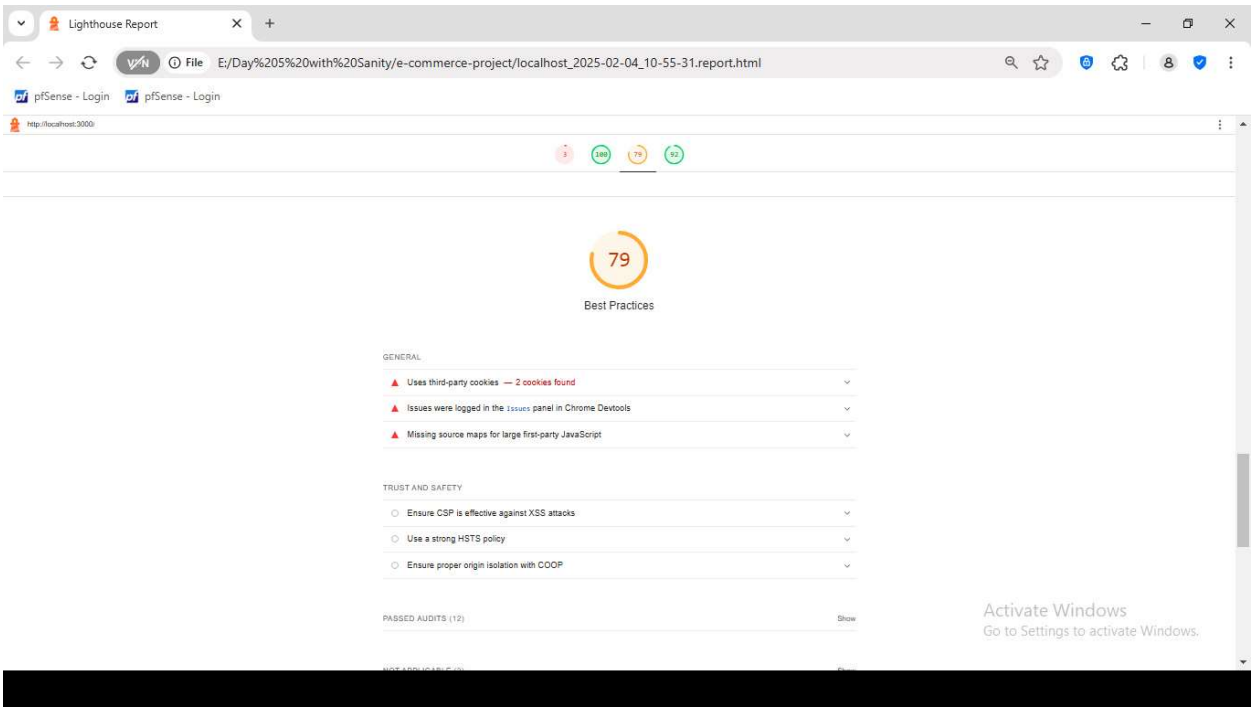


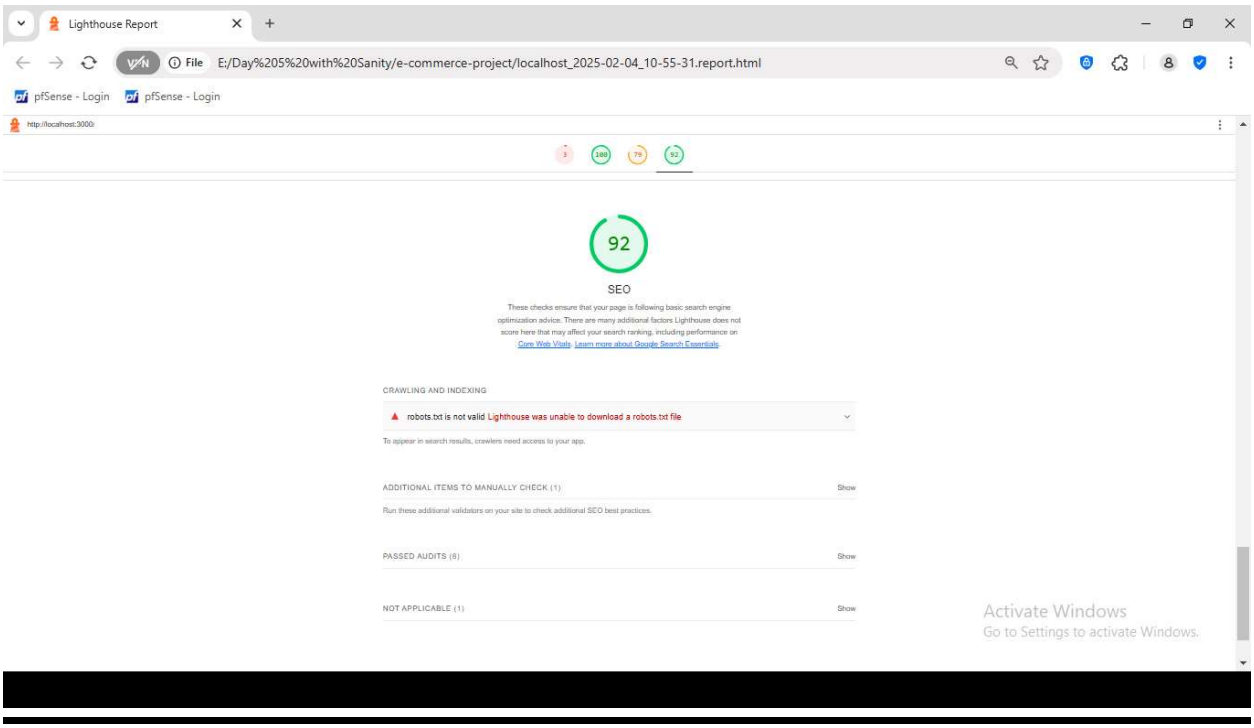
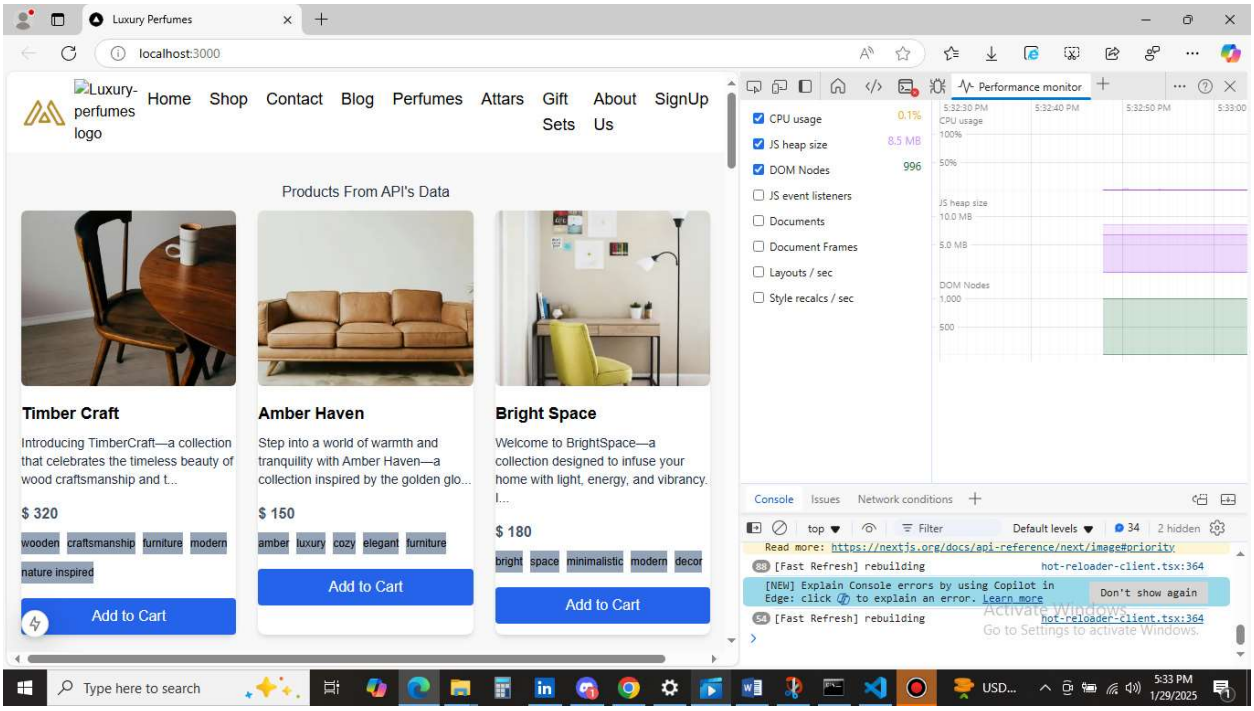
Performance of Web Site by Lighthouse




Lighthouse Report
File E:/Day%205%20with%20Sanity/e-commerce-project/localhost_2025-02-04_10-55-31.report.html
pfSense - Login
pfSense - Login
First Contentful Paint
4.2 s
Largest Contentful Paint
10.2 s
Total Blocking Time
5,080 ms
Cumulative Layout Shift
0.809
Speed Index
40.2 s
View Treemap
Activate Windows
Go to Settings to activate Windows.
Type here to search
21°C
11:07 AM
2/4/2025


Lighthouse Report
File E:/Day%205%20with%20Sanity/e-commerce-project/localhost_2025-02-04_10-55-31.report.html
pfSense - Login
pfSense - Login
100
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.
ADDITIONAL ITEMS TO MANUALLY CHECK (10)
Hide
Interactive controls are keyboard focusable
Interactive elements indicate their purpose and state
The page has a logical tab order
Visual order on the page follows DOM order
User focus is not accidentally trapped in a region
The user's focus is directed to new content added to the page
HTML5 landmark elements are used to improve navigation
Offscreen content is hidden from assistive technology
Custom controls have associated labels
Custom controls have ARIA roles
Activate Windows
Go to Settings to activate Windows.


Lighthouse Report
File E:/Day%205%20with%20Sanity/e-commerce-project/localhost_2025-02-04_10-55-31.report.html
pfSense - Login
pfSense - Login
http://localhost:3000/
79
Best Practices
GENERAL
Uses third-party cookies — 2 cookies found
Issues were logged in the Issues panel in Chrome Devtools
Missing source maps for large first-party JavaScript
TRUST AND SAFETY
Ensure CSP is effective against XSS attacks
Use a strong HSTS policy
Ensure proper origin isolation with COOP
PASSED AUDITS (12)
Show
Activate Windows
Go to Settings to activate Windows.


Lighthouse Report
File E:/Day%205%20with%20Sanity/e-commerce-project/localhost_2025-02-04_10-55-31.report.html
pfSense - Login
pfSense - Login
http://localhost:3000/
92
SEO
These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Google Search Essentials.
CRAWLING AND INDEXING
robots.txt is not valid Lighthouse was unable to download a robots.txt file
To appear in search results, crawlers need access to your app.
ADDITIONAL ITEMS TO MANUALLY CHECK (1)
Show
Run these additional validators on your site to check additional SEO best practices.
PASSED AUDITS (8)
Show
NOT APPLICABLE (1)
Show
Activate Windows
Go to Settings to activate Windows.

PERFORMANCE MONITOR