

Day 5 testing error handling backend

All Steps are as under mentioned

Functional Testing:-

Functional Testing Status: All Systems Operational

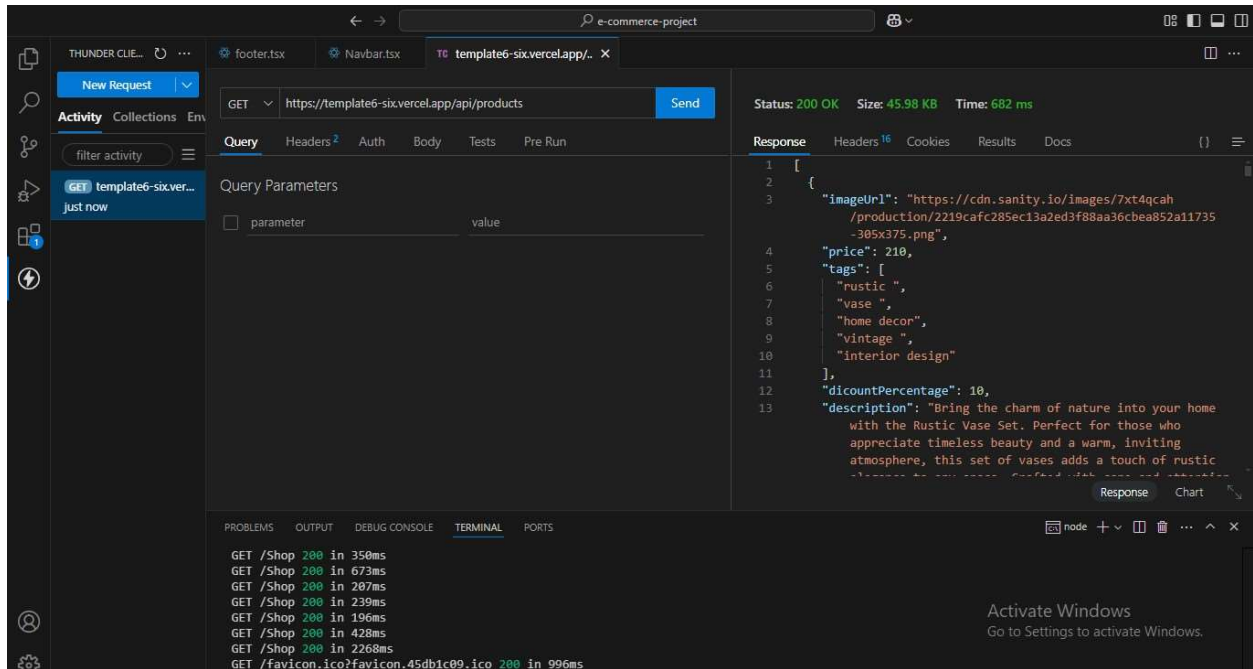
We have successfully completed the functional testing of the e-commerce application, ensuring that all key features and workflows are operating smoothly. Here's an overview of the results:

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.

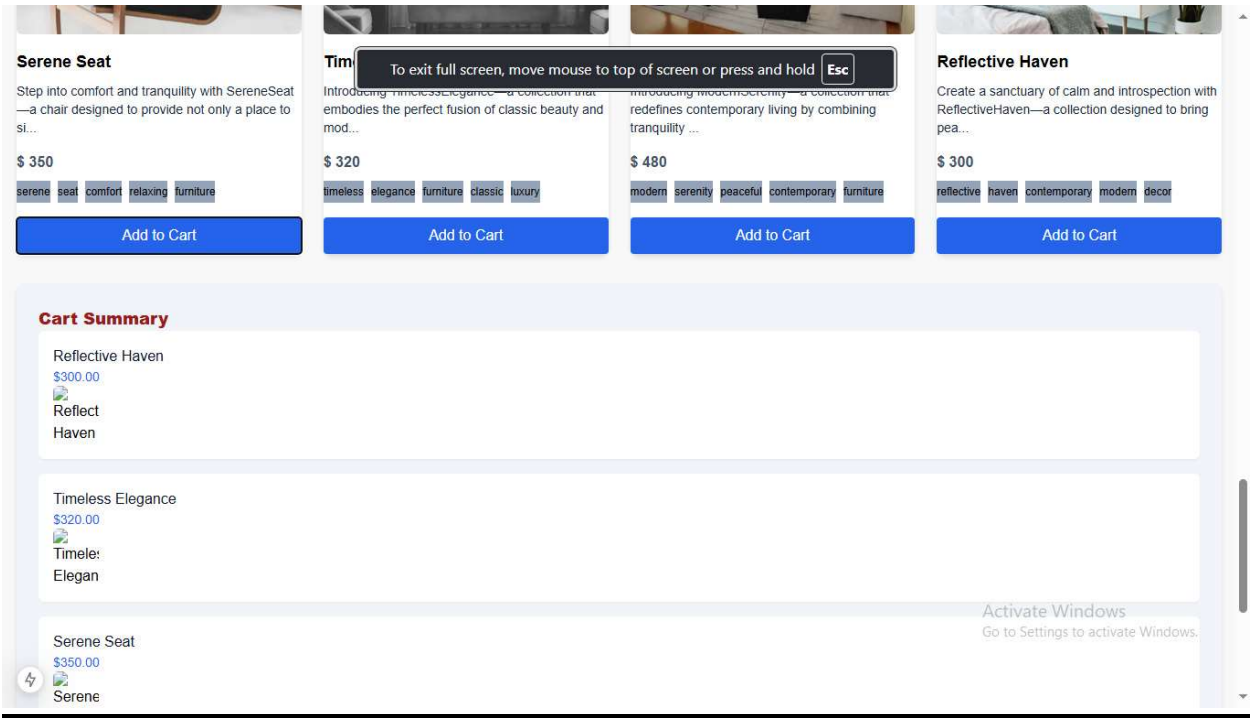
API TESTING

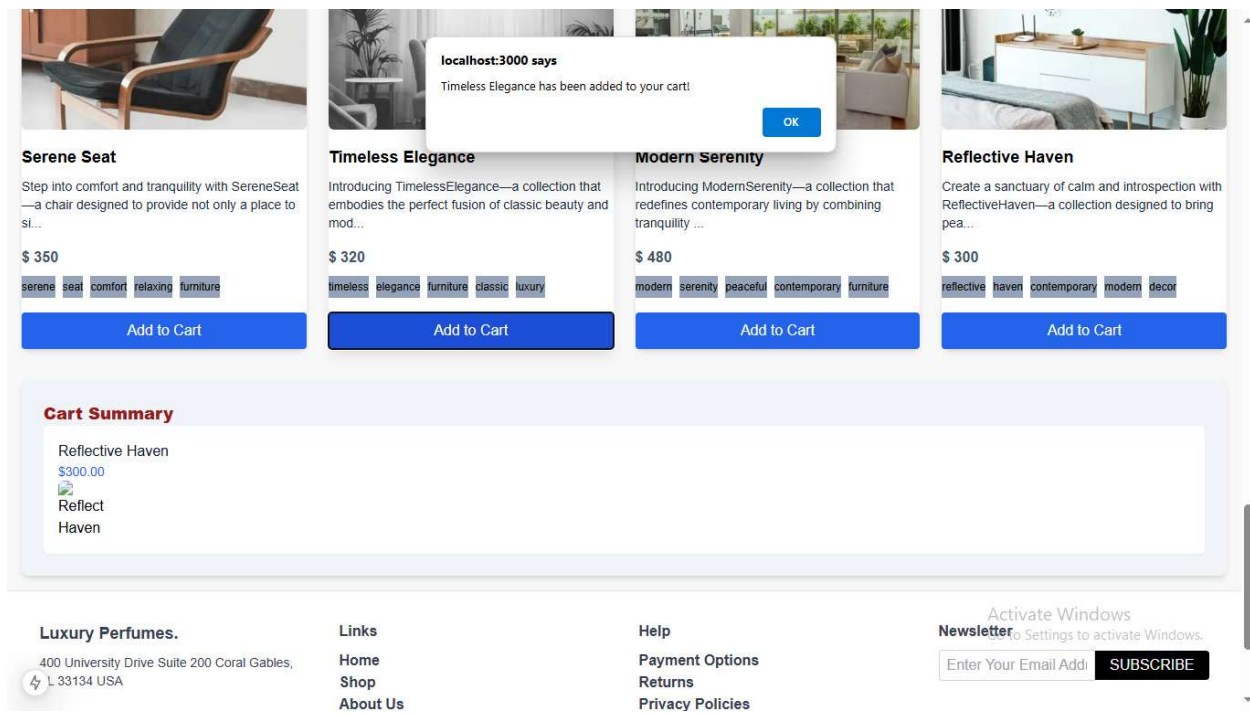


	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks		
1	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
2	TC002	Test API error handling	Disconnect API > Refresh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

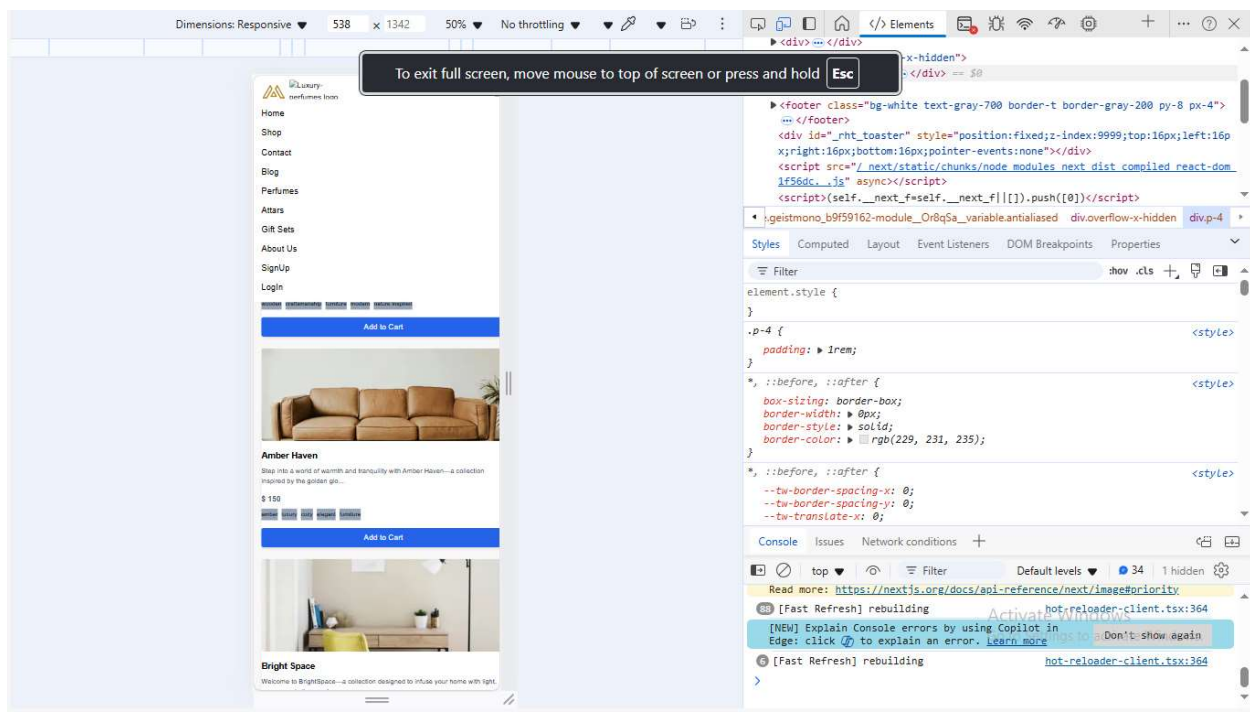
	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks		
3	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	-	Works as expected
4	TC004	Ensure responsiveness on mobile	Resize browser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

ADD TO CARD





RESSPONSIVE



DEVELOPER RESOURCE

The screenshot shows a web browser with the address bar at `localhost:3000`. The website, 'Luxury Perfumes', has a navigation bar with links: Home, Shop, Contact, Blog, Perfumes, Attars, Gift Sets, About Us, and SignUp. The main content area displays 'Products From API's Data' with three product cards: 'Timber Craft' (a wooden chair and table), 'Amber Haven' (a brown leather sofa), and 'Bright Space' (a modern desk and chair). Each card includes a price, a list of tags, and an 'Add to Cart' button. On the right side of the browser, the 'Developer resources' panel is open, showing a table of network requests. The table has columns for Status, URL, Initiator, Total Bytes, and Error. Below the table, there are sections for '12 resources', 'Console', 'Issues', and 'Network conditions'. The console shows messages from 'hot-reloader-client.tsx:364'.

Status	URL	Initiator	Total Bytes	Error
success	/node_modules_next_dist_compiles	http://lo...	390 918	
success	/node_modules_next_dist_compiles	http://lo...	1 375 477	
success	/node_modules_next_dist_client_52	http://lo...	1 057 936	
success	/node_modules_next_dist_4bb10e...	http://lo...	131 166	
success	/node_modules_%40swc_helpers_c	http://lo...	5 612	
success	http://localhost.../_d91c21_...js.map	http://lo...	150 372	
success	http://localhost.../_d95469_...js.map	http://lo...	105 793	
success	http://localh.../_src_7a2dfc_...js.map	http://lo...	15 307	
success	h.../node_modules_b6e78d_...js.map	http://lo...	325 823	
success	h.../node_modules_c71eb0_...js.map	http://lo...	725 972	
success	http://l.../_src_app_459723_...js.map	http://lo...	8 717	
success	/%5Bturbopack%5D_browser_dev...	http://lo...	31 112	

Performance of Web Site by Lighthouse

The screenshot shows a Lighthouse Report for the website `http://localhost:3000/`. The report displays four metrics: Performance (3), Accessibility (100), Best Practices (79), and SEO (92). A message states: 'There were issues affecting this run of Lighthouse:'. The issues listed are: 'The page loaded too slowly to finish within the time limit. Results may be incomplete.' and 'The tested device appears to have a slower CPU than Lighthouse expects. This can negatively affect your performance score. Learn more about [calibrating an appropriate CPU slowdown multiplier](#).' Below the metrics, there is a large red circle with the number '3' and the word 'Performance'. To the right, there is a small thumbnail image of the website. At the bottom, there is a message: '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

http://localhost:3000

Performance

First Contentful Paint 4.2 s

Total Blocking Time 5,080 ms

Speed Index 40.2 s

Largest Contentful Paint 10.2 s

Cumulative Layout Shift 0.809

View Troubador

Diagnose Issues

- Avoid large layout shifts — 2 layout shifts found
- Reduce initial server response time — Root document took 11,180 ms
- Minimize main-thread work — 16.6 s
- Largest Contentful Paint element — 10,210 ms
- Avoid multiple page redirects — Potential savings of 2,300 ms
- Reduce JavaScript execution time — 4.2 s
- Minify JavaScript — Potential savings of 150 KB
- Avoid an excessive DOM size — 1,152 elements
- Reduce unused JavaScript — Potential savings of 417 KB
- Preconnect to required origins — Potential savings of 300 ms
- Reduce the impact of third-party code — Third-party code blocked the main thread for 370 ms
- Page prevented background cache restoration — 4 failure reasons
- Largest Contentful Paint image was lazily loaded

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

http://localhost:3000

100

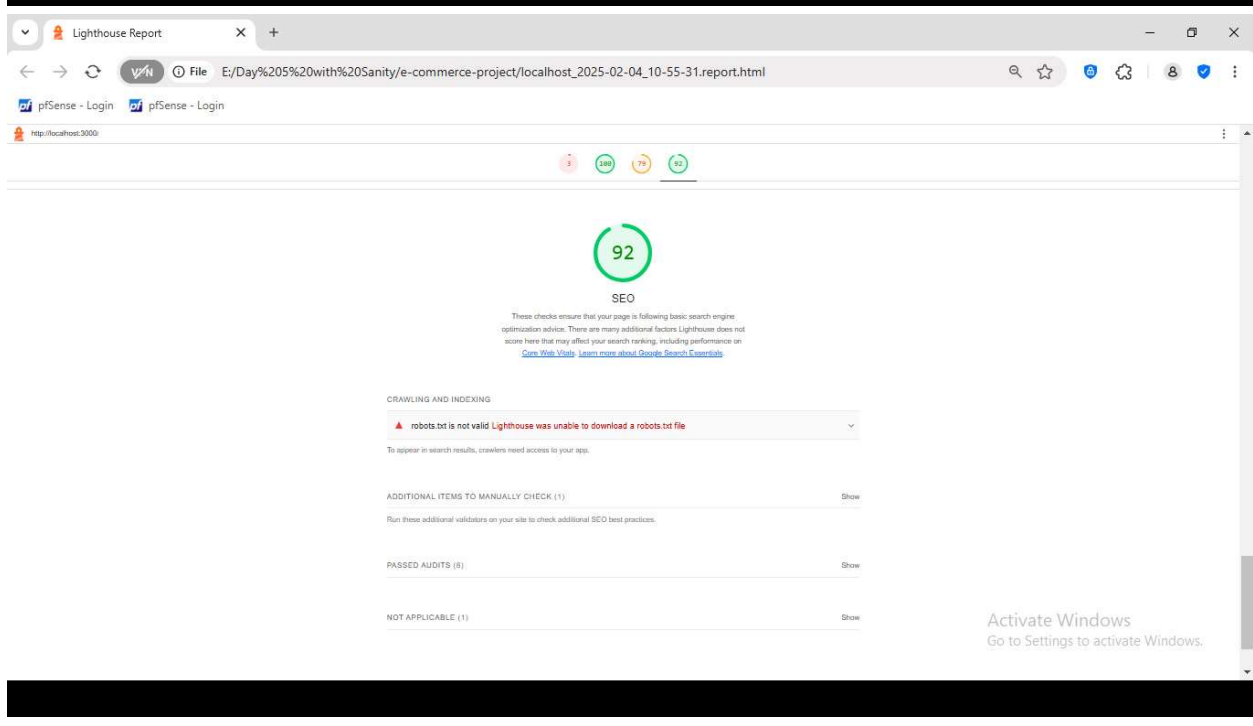
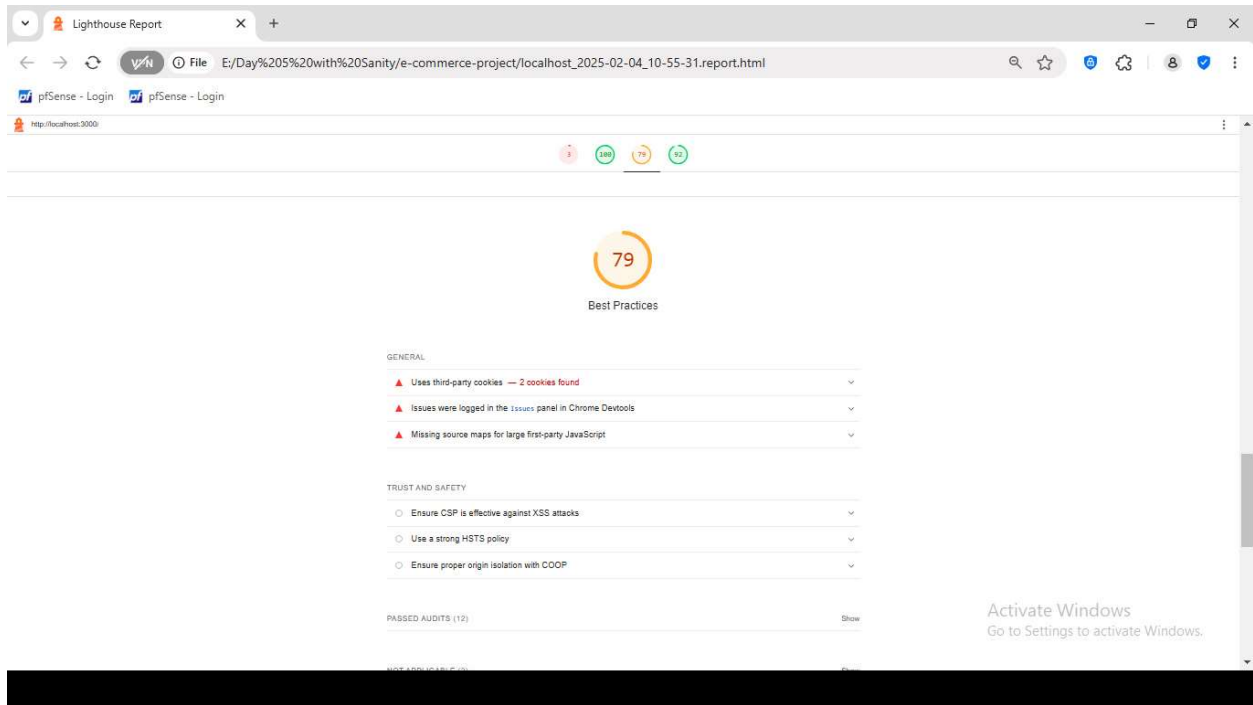
Accessibility

These checks highlight opportunities to [improve the accessibility of your web page](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app; [see manual testing](#) is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

- 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.



PERFORMANCE MONITOR

