

Day 5 Documentation

TESTING, ERROR HANDLING AND BACKEND INTEGRATION REFINEMENT

1. Functional Testing

1. Add to Cart

- **Dynamic Cart Management:**
 - Users can add products to the cart dynamically from any product page.
 - Each product includes attributes like id, name, price, imageUrl, and q

2. Dynamic Checkout Process

- **Form-Based User Input:**
 - Users provide essential details like name, email, phone, and address.
- **Order Summary:**
 - A total price is calculated dynamically, displayed during checkout.
 - Users can review their selected items before placing an order.

2. Dynamic Checkout Process

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 - Users provide essential details like name, email, phone, and address.
- **Order Summary:**
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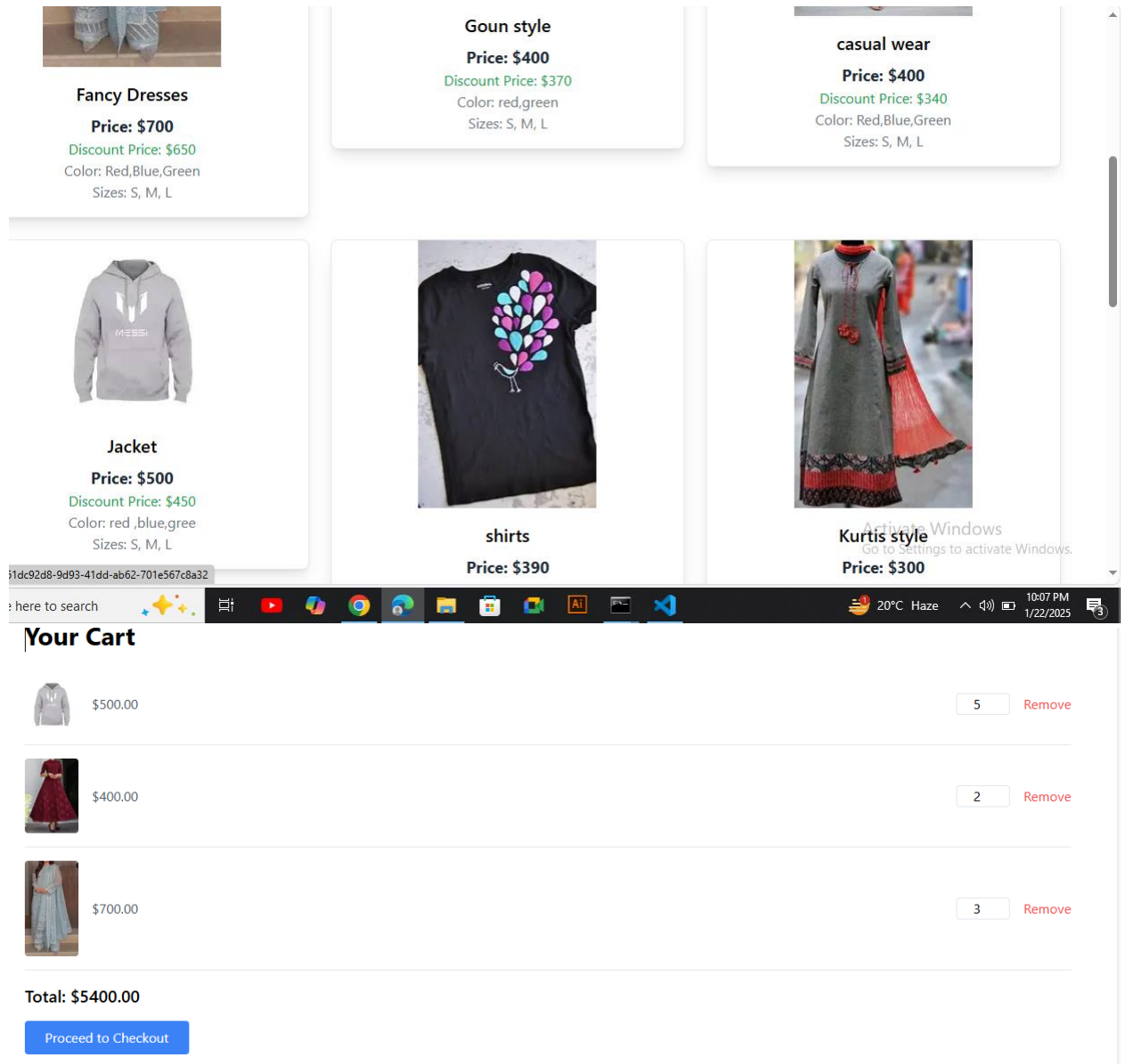
4. Signup and Sign-In

- **Authentication:**
 - Users can create accounts and log in securely.

- User credentials are stored securely, following best practices
- (e.g., hashed passwords).

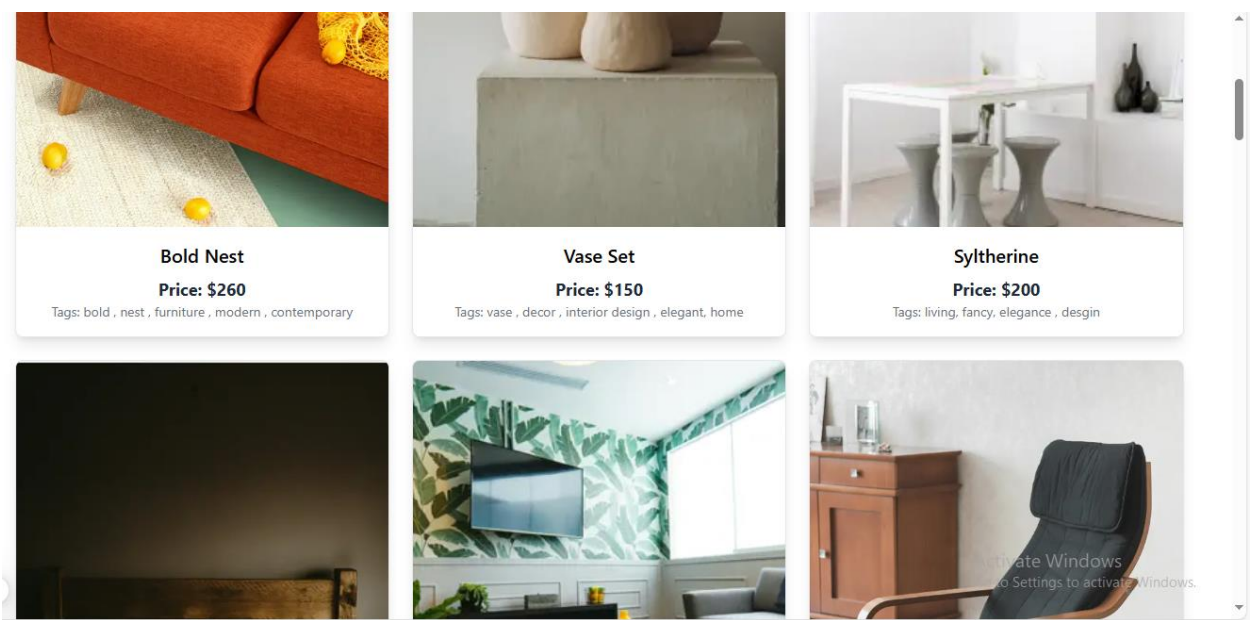
Responsive

- I have successfully made my e-commerce website fully responsive, ensuring it adapts seamlessly to mobile, tablet, and desktop devices. The design is optimized for all screen sizes, providing a user-friendly and visually appealing experience.





The API is fully working, seamlessly handling requests and responses, ensuring smooth communication between the frontend and backend. All functionalities, including data fetching, user interactions, and updates, are fully integrated and operational.



Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	- No issues found
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	- Handled gracefully
4	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	- Work successfully
5	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

SEO lighthouse

The Lighthouse tool provides links to content hosted on third-party websites. [Don't show again](#)

Show more

9:46:57 AM - localhost3000

http://localhost:3000/

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PerformanceAccessibilityBest PracticesSEO

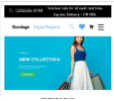
There were issues affecting this run of Lighthouse:

Clearing the browser cache timed out. Try auditing this page again and file a bug if the issue persists.

SI FCP CLS LCP

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METRICS

Expand view

First Contentful Paint1.1 s

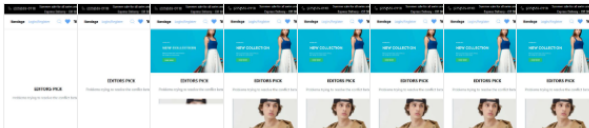
Largest Contentful Paint2.2 s

Total Blocking Time6,080 ms

Cumulative Layout Shift0.029

Speed Index2.0 s

View Treemap



Show audits relevant to: [AB](#) [FCP](#) [LCP](#) [TBT](#) [CLS](#)

DIAGNOSTICS

http://localhost:3000/

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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.

CONTRAST

Background and foreground colors do not have a sufficient contrast ratio.

These are opportunities to improve the legibility of your content.

NAMES AND LABELS

Links do not have a discernible name

These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

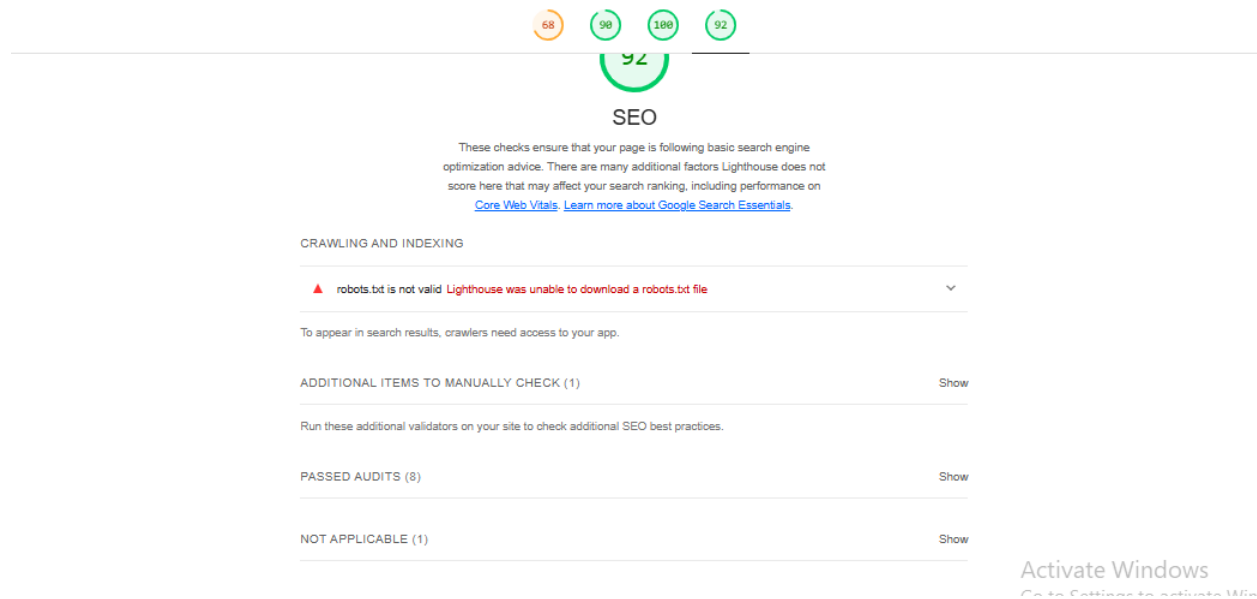
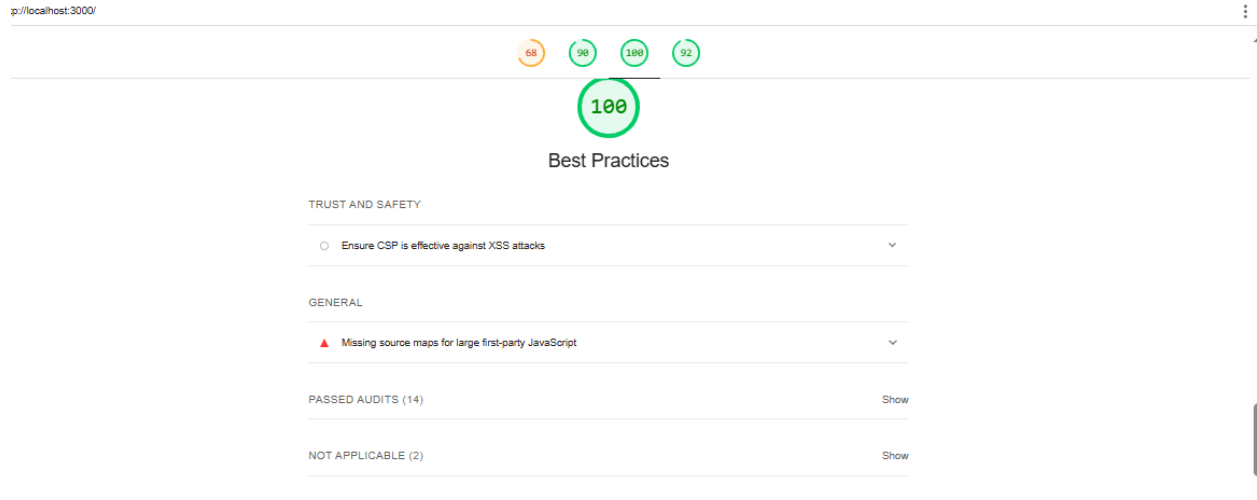
NAVIGATION

Activate Windows

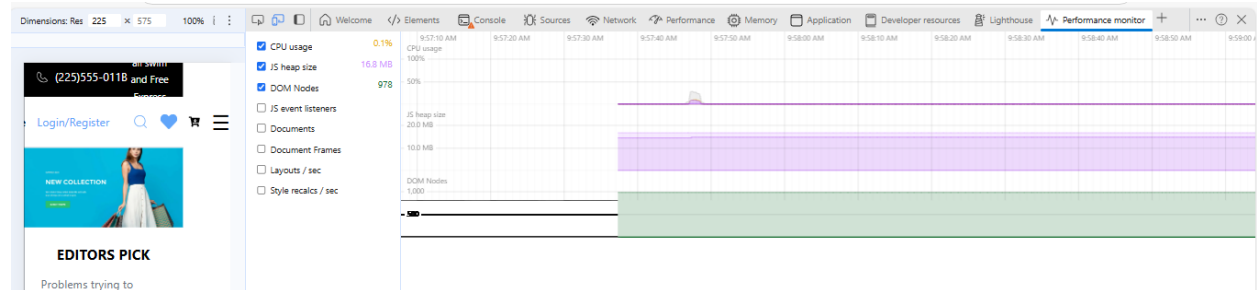
Go to Settings to activate Windows.

consoleIssuesSearch

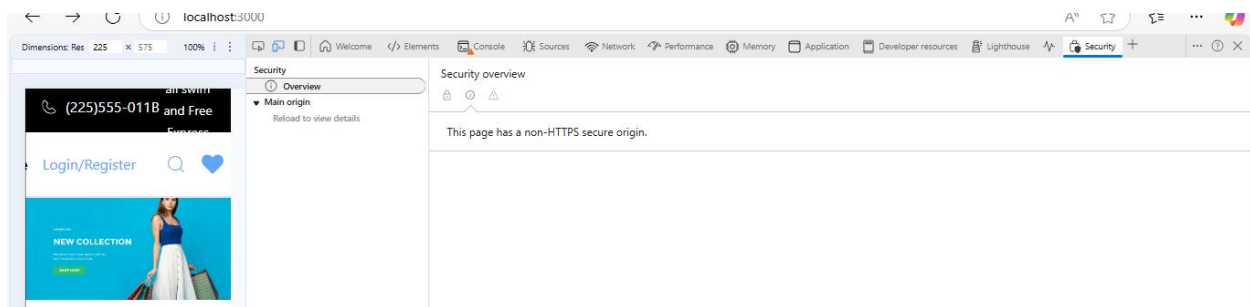
64



Performance Monitor



Security



Developer Resources

