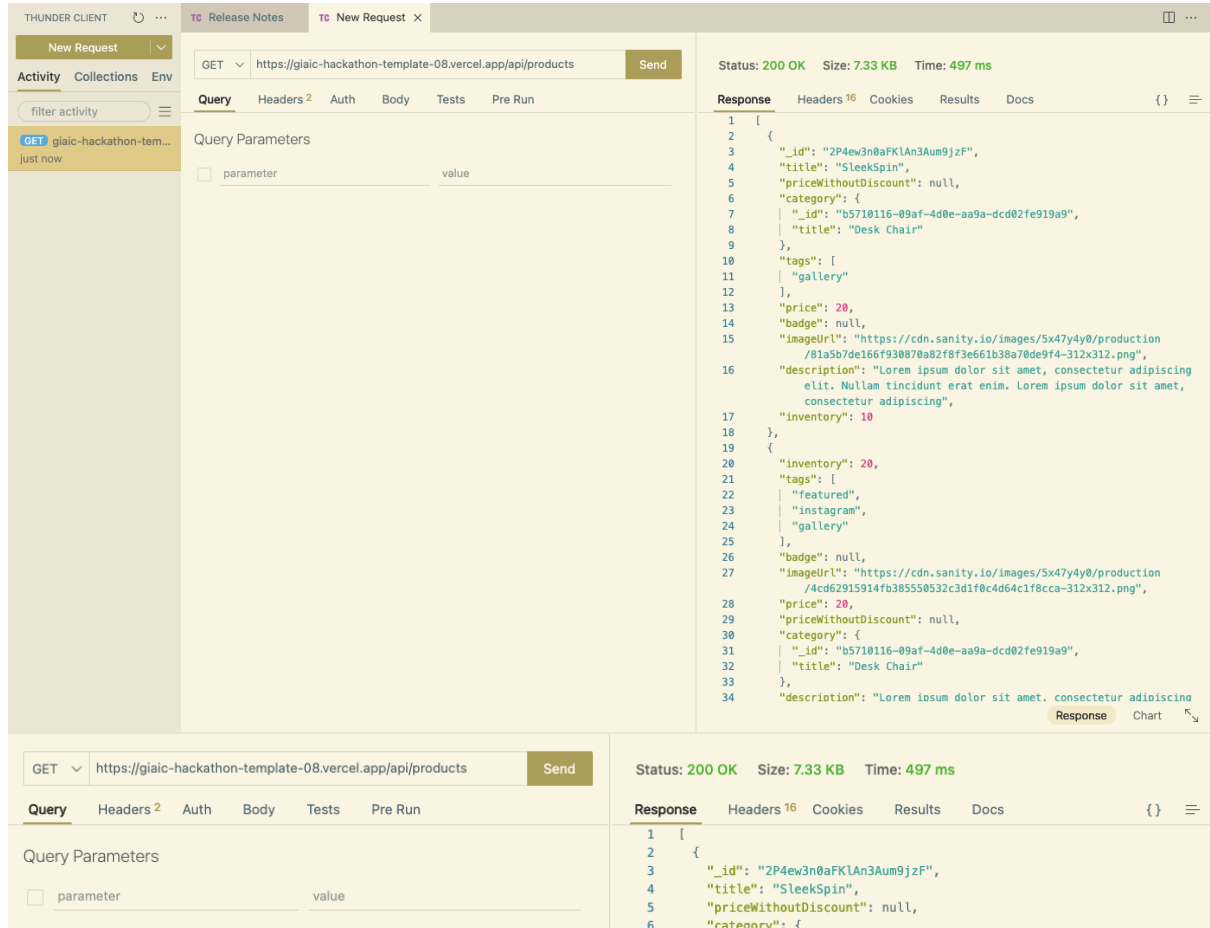
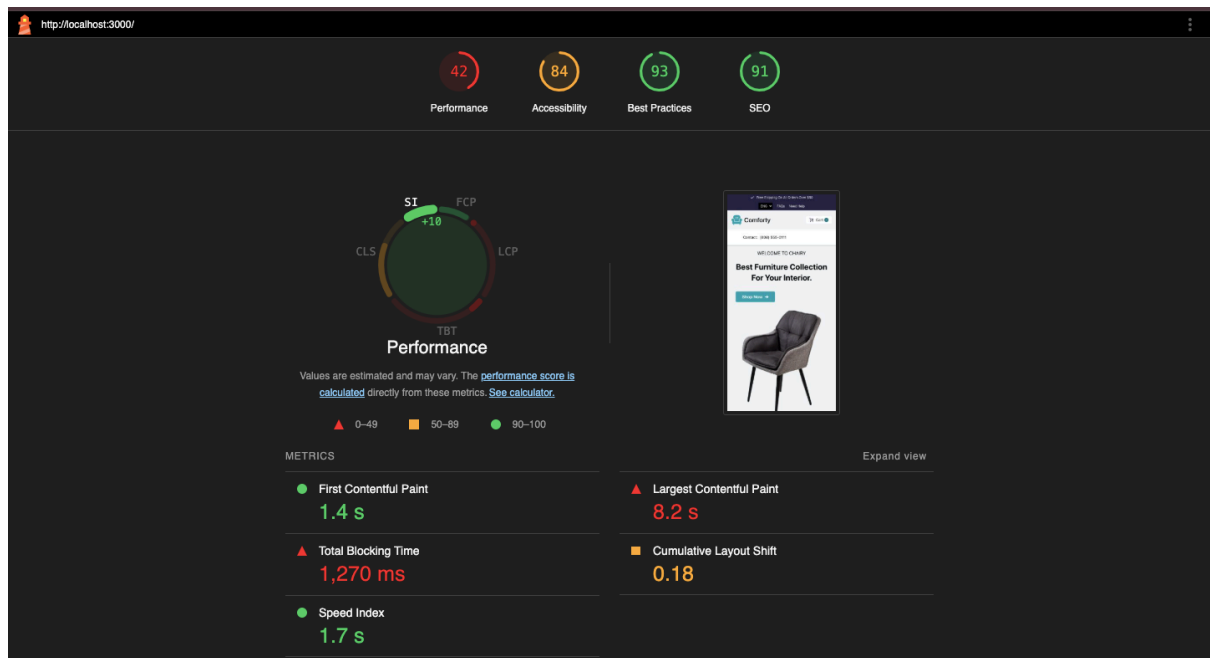


# Day 5

## Data testing and problems report



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	high	- No issues found
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	- Little troubled
4	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	- No issues
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



## DIAGNOSTICS

Reduce JavaScript execution time 2.4 s

Minimize main-thread work 4.6 s

Largest Contentful Paint element 8,190 ms

Avoid large layout shifts 1 layout shift found

Serve images in next-gen formats Potential savings of 1,451 KiB

Reduce unused JavaScript Potential savings of 41 KiB

Page prevented back/forward cache restoration 4 failure reasons

Image elements do not have explicit `width` and `height`

Minify CSS Potential savings of 2 KiB

Minify JavaScript Potential savings of 5 KiB

Properly size images Potential savings of 14 KiB

Defer offscreen images Potential savings of 671 KiB

Avoid serving legacy JavaScript to modern browsers Potential savings of 0 KiB

Avoid enormous network payloads Total size was 3,248 KiB

Avoid long main-thread tasks 8 long tasks found

Initial server response time was short Root document took 260 ms

Avoids an excessive DOM size 301 elements

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (21)

Show

### 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.

### TABLES AND LISTS

List items (`<li>`) are not contained within `<ul>`, `<ol>` or `<menu>` parent elements.

These are opportunities to improve the experience of reading tabular or list data using assistive technology, like a screen reader.

### NAMES AND LABELS

Select elements do not have associated label elements.

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.

#### BEST PRACTICES

Touch targets do not have sufficient size or spacing.

These items highlight common accessibility best practices.

#### 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

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

#### PASSED AUDITS (20)

Hide

[aria-\*] attributes match their roles

[aria-hidden="true"] is not present on the document <body>

[role]s have all required [aria-\*] attributes

[aria-\*] attributes have valid values

[aria-\*] attributes are valid and not misspelled

Buttons have an accessible name

Image elements have [alt] attributes

[user-scalable="no"] is not used in the <meta

name="viewport"> element and the [maximum-scale] attribute is not less than 5.

ARIA attributes are used as specified for the element's role

Elements use only permitted ARIA attributes

[role] values are valid

Document has a <title> element

<html> element has a [lang] attribute

<html> element has a valid value for its [lang] attribute

Form elements have associated labels

Links have a discernible name

Heading elements appear in a sequentially-descending order

Uses ARIA roles only on compatible elements

Deprecated ARIA roles were not used

Image elements do not have [alt] attributes that are redundant text.

#### NOT APPLICABLE (33)

Hide

[accesskey] values are unique

button, link, and menuitem elements have accessible names  
 Elements with role="dialog" or role="alertdialog" have accessible names.  
 [aria-hidden="true"] elements do not contain focusable descendents  
 ARIA input fields have accessible names  
 ARIA meter elements have accessible names  
 ARIA progressbar elements have accessible names  
 Elements with an ARIA [role] that require children to contain a specific [role] have all required children.  
 [role]s are contained by their required parent element  
 Elements with the role=text attribute do not have focusable descendents.  
 ARIA toggle fields have accessible names  
 ARIA tooltip elements have accessible names  
 ARIA treeitem elements have accessible names  
 The page contains a heading, skip link, or landmark region  
 <dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements.  
 Definition list items are wrapped in <dl> elements  
 ARIA IDs are unique  
 No form fields have multiple labels  
 <frame> or <iframe> elements have a title  
 <html> element has an [xml:lang] attribute with the same base language as the [lang] attribute.  
 Input buttons have discernible text.  
 <input type="image"> elements have [alt] text  
 Links are distinguishable without relying on color.  
 Lists contain only <li> elements and script supporting elements (<script> and <template>).  
 The document does not use <meta http-equiv="refresh">  
 <object> elements have alternate text  
 Skip links are focusable.  
 No element has a [tabindex] value greater than 0  
 Tables have different content in the summary attribute and <caption>.  
 Cells in a <table> element that use the [headers] attribute refer to table cells within the same table.  
 <th> elements and elements with [role="columnheader"/"rowheader"] have data cells they describe.  
 [lang] attributes have a valid value  
 <video> elements contain a <track> element with [kind="captions"]

Serves images with low resolution

## TRUST AND SAFETY

Ensure CSP is effective against XSS attacks

Use a strong HSTS policy

Ensure proper origin isolation with COOP

## GENERAL

Missing source maps for large first-party JavaScript

### PASSED AUDITS (12)

Hide

Uses HTTPS

Avoids deprecated APIs

Avoids third-party cookies

Allows users to paste into input fields

Avoids requesting the geolocation permission on page load

Avoids requesting the notification permission on page load

Has a `<meta name="viewport">` tag with width or initial

Document uses legible font sizes 100% legible text

Page has the HTML doctype

Properly defines charset

No browser errors logged to the console

No issues in the Issues panel in Chrome Devtools

### NOT APPLICABLE (2)

Hide

Redirects HTTP traffic to HTTPS

Detected JavaScript libraries

## SEO

These checks ensure that your page is following basic search engine advice. There are many additional factors Lighthouse does not check that affect your search ranking, including performance on [Core Web Vitals](#) and [about Google Search Essentials](#).

## CRAWLING AND INDEXING

Links are not crawlable

To appear in search results, crawlers need access to your app.

## ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

Structured data is valid

Run these additional validators on your site to check additional SEO best practices

PASSED AUDITS (7)

Hide

Page isn't blocked from indexing

Document has a <title> element

Document has a meta description

Page has successful HTTP status code

Links have descriptive text

Image elements have [alt] attributes

Document has a valid hreflang

NOT APPLICABLE (2)

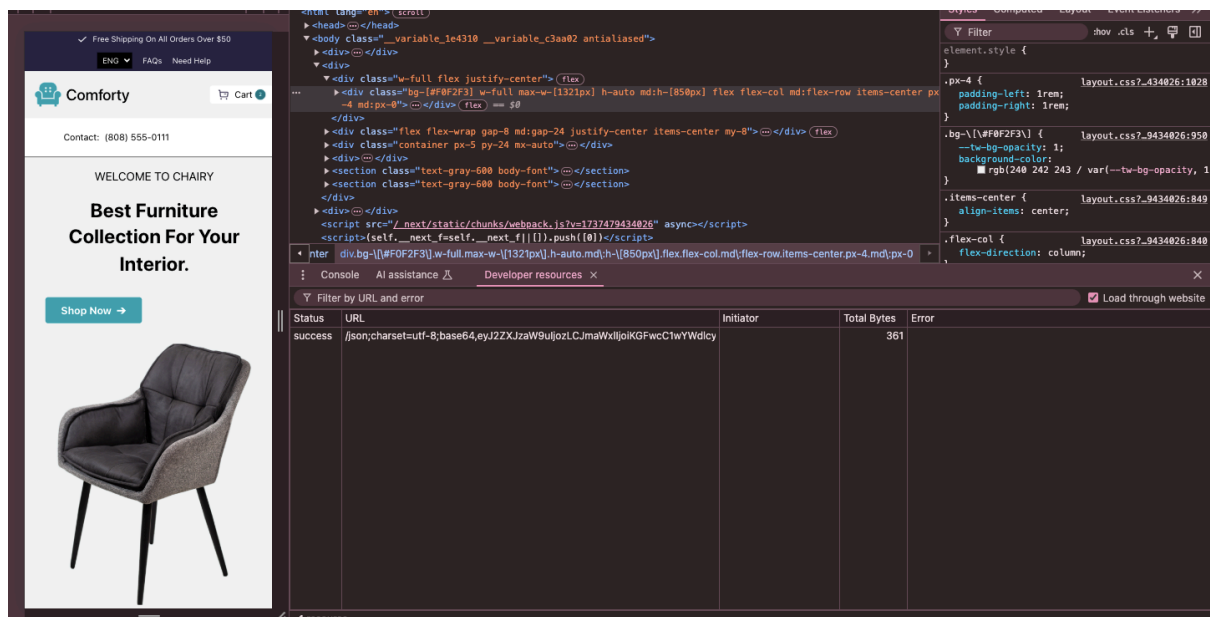
Hide

robots.txt is valid

Document has a valid rel=canonical

- Captured at Jan 21, 2025, 10:12 PM GMT+5
- Emulated Moto G Power with Lighthouse 12.3.0
- Single page session
- Initial page load
- Slow 4G throttling
- Using Chromium 131.0.0.0 with cli

## Developer resources



# Performance monitor

