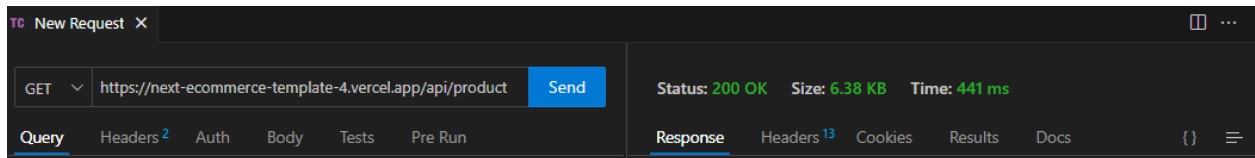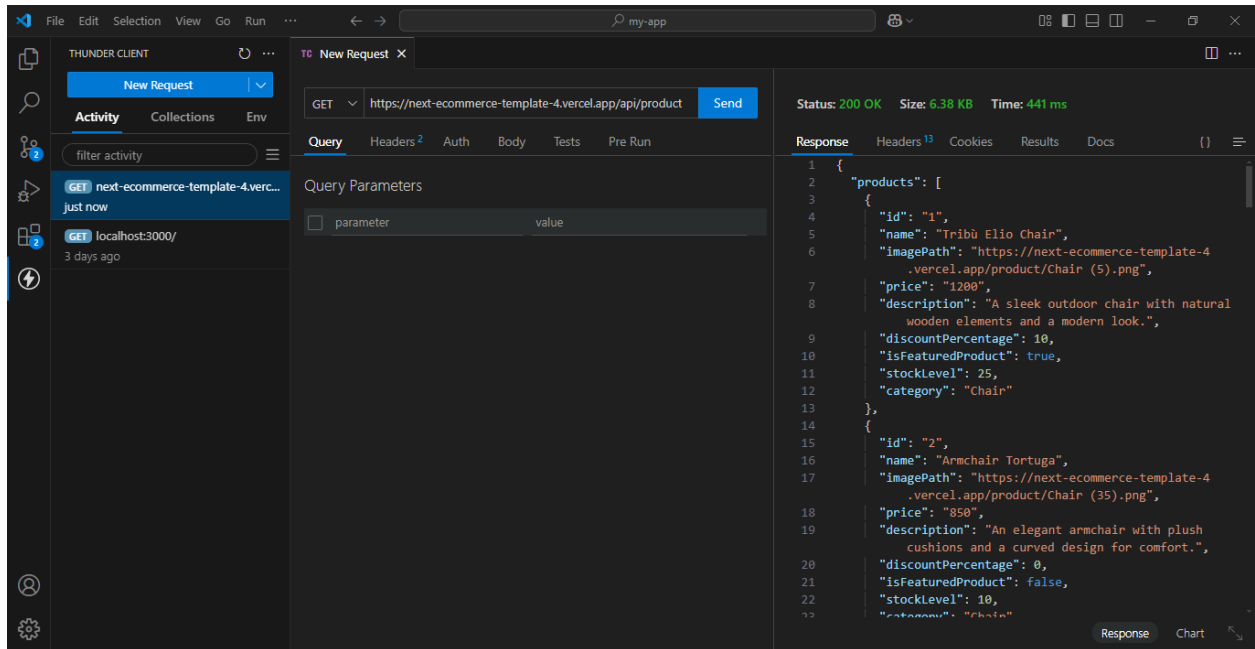# Day-5

TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

Thunder client api status

Test report

Test Case ID	Test Case Description	Test Steps	Expected Rezult	Actul rezult	Status	Severity Level	Assigned to	Remarks
TC001	Validate product listing page	Open product page>verify product	Product display correctly	Product display correctly	Passed	high	-	No issue found
TC002	Test API error handling	Discount api>refresh page	Show fallback UI with error msg	Error msg 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	High	-	Test successfully
TC004	Ensure responsiveness on mobile	Resize browser window> check layout	Layout adjusts property to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful

LIGHTHOUSE TEST

http://localhost:3000/

70	80	96	91
Performance	Accessibility	Best Practices	SEO

70

Performance

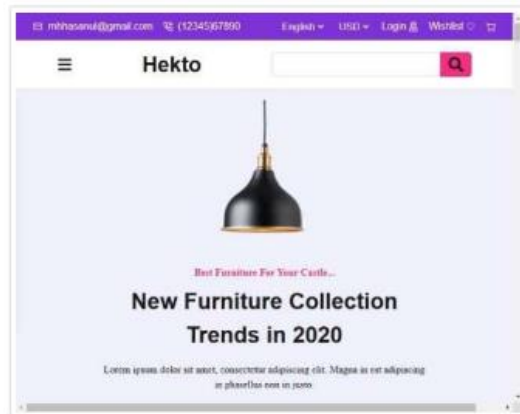Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   ■ 50–89   ● 90–100

METRICS   Expand view

Hekto

Best Furniture For Your Castle...

New Furniture Collection Trends in 2020

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magna in est adipiscing in phasellus enn in justo

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METRICS   Expand view

● First Contentful Paint	● Largest Contentful Paint
0.4 s	0.7 s
▲ Total Blocking Time	● Cumulative Layout Shift
1,520 ms	0
● Speed Index	
0.4 s	

⊞ View Treemap

Show audits relevant to: All FCP LCP TBT CLS

DIAGNOSTICS

▲ Reduce JavaScript execution time — 2.3 s   ⌄

▲ Minimize main-thread work — 3.0 s   ⌄

⚠ Largest Contentful Paint image was lazily loaded ⌄

⚠ Eliminate render-blocking resources — Potential savings of 90 ms ⌄

⚠ 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 ⌄

■ Serve images in next-gen formats — Potential savings of 966 KiB ⌄

■ Properly size images — Potential savings of 578 KiB ⌄

■ Defer offscreen images — Potential savings of 785 KiB ⌄

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

■ Avoid enormous network payloads — Total size was 7,096 KiB ⌄

○ Avoid long main-thread tasks — 6 long tasks found ⌄

○ Initial server response time was short — Root document took 110 ms ⌄

○ Avoids an excessive DOM size — 537 elements ⌄

○ Avoid chaining critical requests — 1 chain found ⌄

○ Minimize third-party usage — Third-party code blocked the main thread for 0 ms ⌄

○ Largest Contentful Paint element — 740 ms ⌄

More information about the performance of your application. These numbers don't directly affect the Performance score.

PASSED AUDITS (19)   Show

.

80

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

⚠️ Form elements do not have associated labels   ⌄

⚠️ Links do not have a discernible name   ⌄

⚠️ 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.

TABLES AND LISTS

⚠️ List items (`<li>`) are not contained within `<ul>`, `<ol>` or `<menu>` parent elements.   ⌄
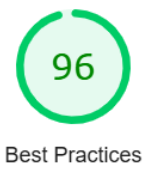
These are opportunities to improve the experience of reading tabular or list data using assistive technology, like a screen reader.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)   Show

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

PASSED AUDITS (20)   Show

NOT APPLICABLE (32)   Show

96

Best Practices

USER EXPERIENCE

⚠️ Displays images with incorrect aspect ratio   ⌄

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks   ⌄

GENERAL

⚠️ Missing source maps for large first-party JavaScript   ⌄

PASSED AUDITS (12)   Show

NOT APPLICABLE (3)   Show

91

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

⚠ Links are not crawlable ⌄

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 (7)   Show

NOT APPLICABLE (2)   Show