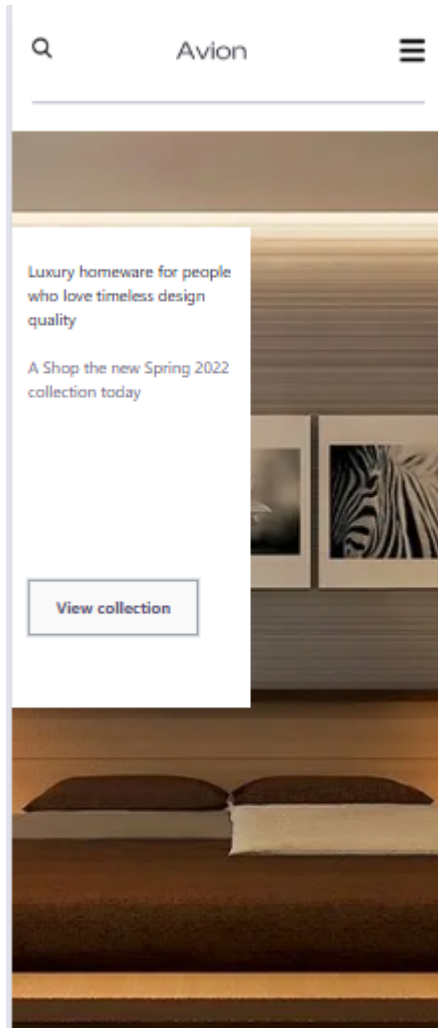# DAY 5 TESTING AND BACKEND REFINEMENT-
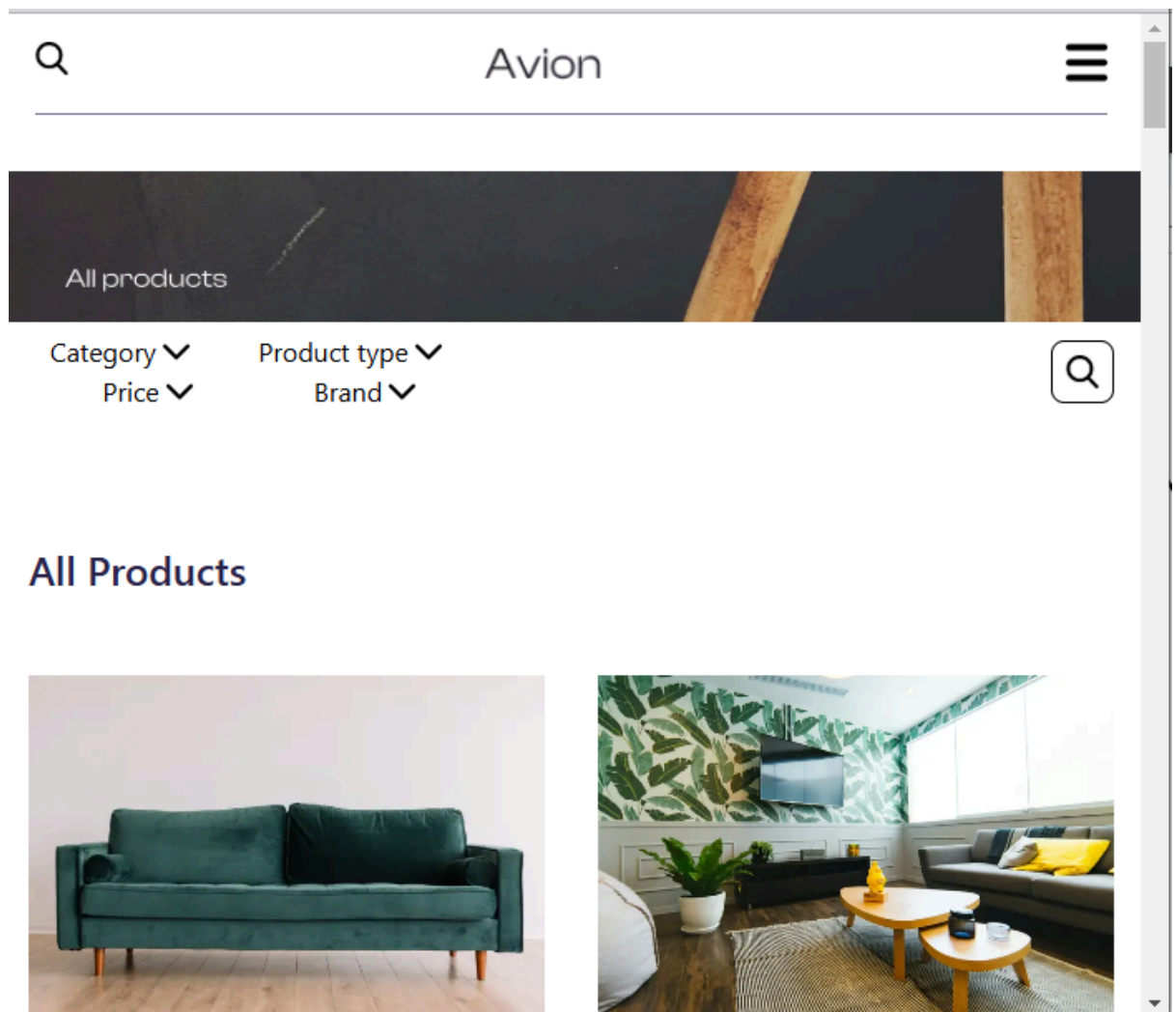
[AVION]

Functional Testing
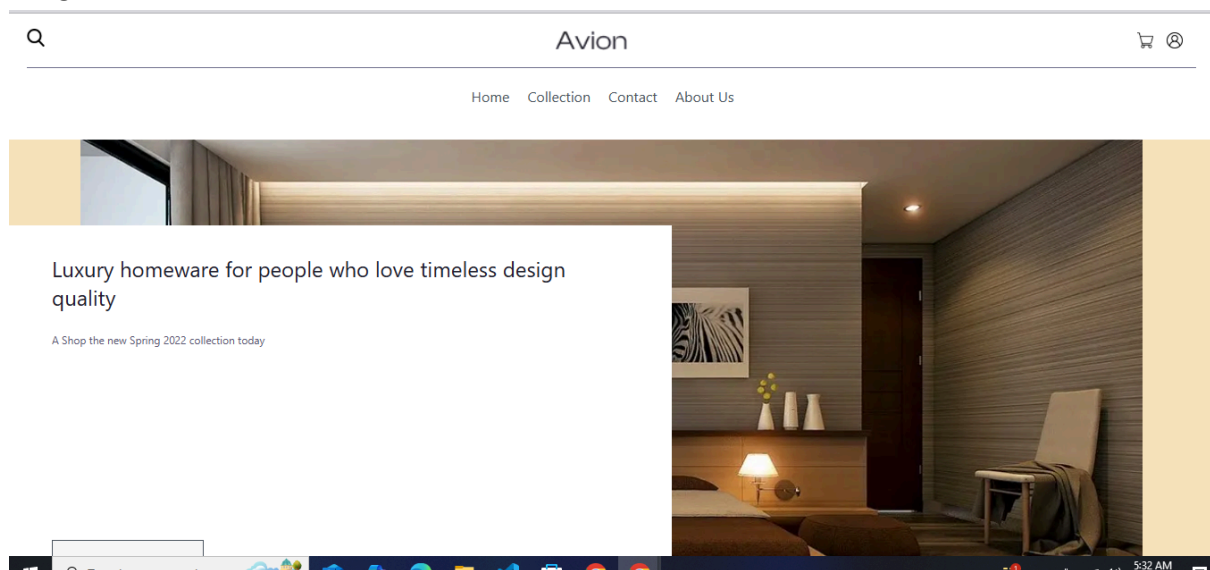- **Responsive**
 small scream

Medium scream

Large screen

Website Functionality Overview

- All page components are fully implemented and responsive, following the Figma template.
- Sanity CMS is seamlessly integrated, ensuring dynamic content management.
- The "Add to Cart" functionality works flawlessly, including item addition and removal.
- The product search bar is fully functional, allowing users to find items efficiently.
- Sign-in authentication is successfully implemented using GitHub, ensuring secure access.

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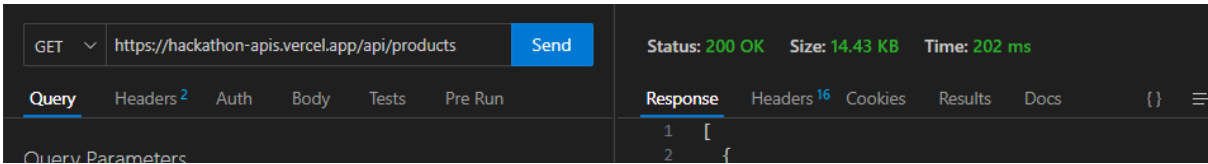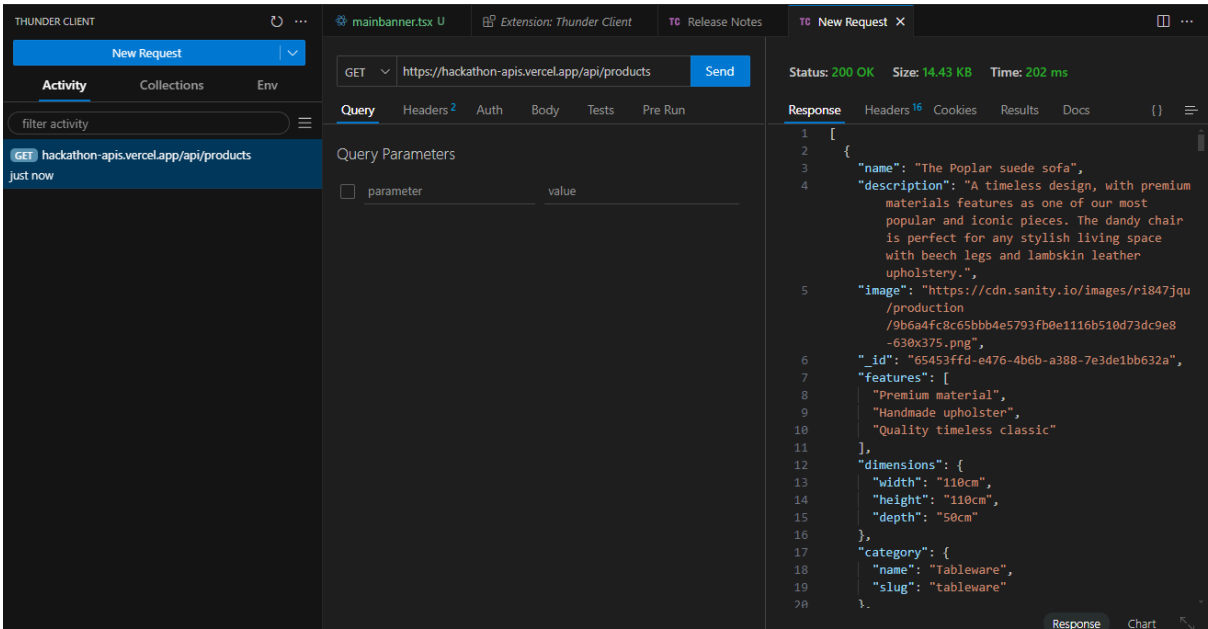
Test Case ID		Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks	
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	High	-	No issues found	
3	TC002	Test API error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

Performance Optimization

http://localhost:3000/

70	84	!	92
Performance	Accessibility	Best Practices	SEO

70
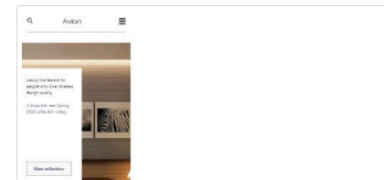
Performance

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

● First Contentful Paint   ■ Largest Contentful Paint
1.0 s   **2.6 s**

70 84 ! 92

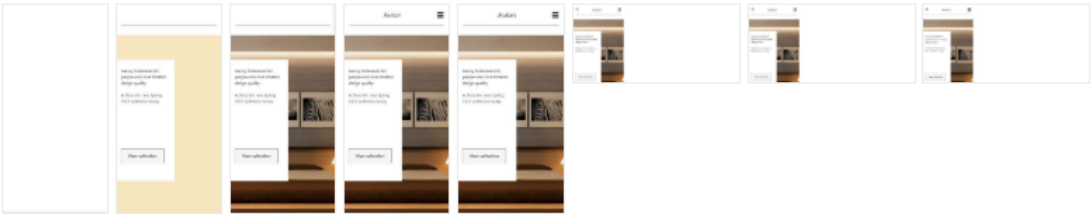**METRICS**   Expand view

● First Contentful Paint   ■ Largest Contentful Paint

1.0 s   **2.6 s**

▲ Total Blocking Time   ● Cumulative Layout Shift

1,660 ms   **0**

● Speed Index

1.6 s

▦ View Treemap

Show audits relevant to: **All** FCP LCP TBT

DIAGNOSTICS

70 84 ! 92

Show audits relevant to: **All** FCP LCP TBT

DIAGNOSTICS

▲ Reduce JavaScript execution time — 3.8 s		⌄
▲ Minimize main-thread work — 5.5 s		⌄
▲ Reduce unused JavaScript — Potential savings of 130 KiB		⌄
▲ Minify JavaScript — Potential savings of 5 KiB		⌄
▲ Page prevented back/forward cache restoration — 3 failure reasons		⌄
■ Minify CSS — Potential savings of 3 KiB		⌄
■ Eliminate render-blocking resources — Potential savings of 0 ms		⌄
■ Properly size images — Potential savings of 700 KiB		⌄
■ Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB		⌄
■ Avoid enormous network payloads — Total size was 2,731 KiB		⌄
○ Avoid long main-thread tasks — 10 long tasks found		⌄

■ Eliminate render-blocking resources — Potential savings of 0 ms ⌄

■ Properly size images — Potential savings of 700 KiB ⌄

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

■ Avoid enormous network payloads — Total size was 2,731 KiB ⌄

○ Avoid long main-thread tasks — 10 long tasks found ⌄

○ Initial server response time was short — Root document took 340 ms ⌄

○ Avoids an excessive DOM size — 209 elements ⌄

○ Avoid chaining critical requests — 1 chain found ⌄

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

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

PASSED AUDITS (23)   Show

84

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

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.

TABLES AND LISTS

⚠ Lists do not contain only `<li>` elements and script supporting elements (`<script>` and `<template>`).   ⌄

⚠ 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 (33)   Show

!

Best Practices

! Properly defines charset — Error! ⌄

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 (13) Show

NOT APPLICABLE (2) Show

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.

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

📅 Captured at Feb 1, 2025, 6:09 AM GMT+5   🖵 Emulated Moto G Power with Lighthouse   👤 Single page session
                                                12.3.0
⏱ Initial page load   📶 Slow 4G throttling   ⊘ Using Chromium 132.0.0.0 with cli

DEVELOPER RESOURCES

Performance Monitor

ISSUE TEST

SECURITY