Screenshots or recordings showcasing functional and responsive components.

**"Day 5 - Testing and Backend Reﬁnement – [Avion]"**

Add to cart

Our website ensures a seamless shopping experience with fully functional **Add to Cart, Wishlist, and Checkout,** features. You can easily save your favorite products, manage your cart, and complete secure transactions without any hassle. Enjoy a smooth and reliable shopping journey with **secure authentication**, allowing you to log in effortlessly and shop with confidence

Add to cart responsive

Add to Wishlist

Add to Wishlist responsive

Check out page

Check out page responsive

Order placed, page

API testing

| **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 | Heigh | - | No issues found |
| 3 | TC002 | Test API error handling | Disconnect API > Refresh page | Show fallback UI with error message | Error message shown | Passed | No issue found | - | 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 | - | Works as expected |
| 5 | TC004 | Ensure responsiveness on mobile | Resize browser window > Check layout | Layout adjusts properly to screen size | Responsive layout working as intended | Passed | Fully responsive | - | Test successful |

Light house Testing, ss : one

First Contentful Paint : 2.8 s

Largest Contentful Paint :4.4 s

Total Blocking Time :1,120 ms

Cumulative Layout Shift :0

Speed Index

Light house Testing ss:two

Diagnostics

Avoid multiple page redirects Potential savings of 2,460 ms



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Reduce JavaScript execution time 2.2 s



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Minimize main-thread work 3.5 s

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Largest Contentful Paint element 4,380 ms

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Minify JavaScript Potential savings of 271 KiB

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Reduce unused JavaScript Potential savings of 827 KiB



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Page prevented back/forward cache restoration 4 failure reasons

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|  | Properly size images Potential savings of 13 KiB   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  |   Avoid serving legacy JavaScript to modern browsers Potential savings of 0 KiB   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  | Avoid long main-thread tasks 13 long tasks found     |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  |   Minimize third-party usage Third-party code blocked the main thread for 230 ms   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  |   Avoids an excessive DOM size 274 elements   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  |   Initial server response time was short Root document took 220 ms   |  |  | | --- | --- | |  |  | |  |  |   Avoids enormous network payloads Total size was 1,472 KiB     |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  |   Avoid chaining critical requests 1 chain found  More information about the performance of your application. These numbers don't [directly affect](https://developer.chrome.com/docs/lighthouse/performance/performance-scoring/?utm_source=lighthouse&utm_medium=cli) the Performance score.  Passed audits (23)  Show  90  Accessibility  These checks highlight opportunities to [improve the accessibility of your web app](https://developer.chrome.com/docs/lighthouse/accessibility/?utm_source=lighthouse&utm_medium=cli). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](https://web.dev/articles/how-to-review?utm_source=lighthouse&utm_medium=cli) is also encouraged.  Names and labels  Buttons do not have an accessible name   |  | | --- | |  | |  | |  | |  | |  | |  | |  | |  | |  |   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.  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](https://web.dev/articles/how-to-review?utm_source=lighthouse&utm_medium=cli).  Passed audits (23)  Show  Not applicable (32)  Show  79  Best Practices  General  Uses third-party cookies 2 cookies found   |  |  | | --- | --- | |  |  | |  |  | |  |  |   Issues were logged in the Issues panel in Chrome Devtools   |  | | --- | |  | |  | |  | |  | |  | |  |   Missing source maps for large first-party JavaScript   |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  | Trust and Safety  Ensure CSP is effective against XSS attacks   |  |  |  | | --- | --- | --- | |  |  |  |   Use a strong HSTS policy   |  |  |  | | --- | --- | --- | |  |  |  |   Ensure proper origin isolation with COOP   |  |  |  | | --- | --- | --- | |  |  |  |   Passed audits (12)  Show   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |   Not applicable (2)  Show  100  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](https://web.dev/explore/vitals?utm_source=lighthouse&utm_medium=cli). [Learn more about Google Search Essentials](https://support.google.com/webmasters/answer/35769).  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 (8)  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  Links are crawlable  Image elements have [alt] attributes  Document has a valid hreflang  Not applicable (2)  Show   * Captured at Feb 10, 2025, 1:29 PM GMT+5 * Emulated Moto G Power with Lighthouse 12.3.0 * Single page session * Initial page load * Slow 4G throttling * Using Chromium 133.0.0.0 with cli   Generated by **Lighthouse** 12.3.0 | [File an issue](https://github.com/GoogleChrome/Lighthouse/issues) | | |

Light house testing ss:threeLight house Testing ss:two

Names and labels

Buttons do not have an accessible name

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Links do not have a discernible name

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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.

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](https://web.dev/articles/how-to-review?utm_source=lighthouse&utm_medium=cli).

Passed audits (23)

Show

Not applicable (32)

Show

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Issues were logged in the Issues panel in Chrome Devtools

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Missing source maps for large first-party JavaScript

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Light house testing ss:fourLight house Testing ss:two

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General

Uses third-party cookies 2 cookies found

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Issues were logged in the Issues panel in Chrome Devtools

Missing source maps for large firt-party JavaScript

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Light house testing ss: Five

Structured data is valid

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

Passed audits (8)

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

Links are crawlable

Image elements have [alt] attributes

Document has a valid hreflang

Not applicable (2)

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Developer Resources

Security

Performance moniter