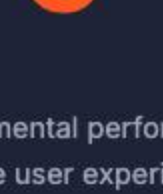


AI Test Results from testers.ai



The Wayfair app's Home page struggles with fundamental performance issues like 'Network Resolution Failures' and 'Server-Side Rate Limiting,' which directly impact the user experience. While functionality is present, the accessibility issues, such as 'Missing Alt Text for Images' and 'Unclear Visual Focus States,' raise serious concerns for usability. The presence of 'Potential Third-Party Tracking via Pixel without Explicit Consent' is also problematic from a privacy standpoint.

Best Aspects

The bot detection mechanism, although displaying on mobile, shows proactive security measures.

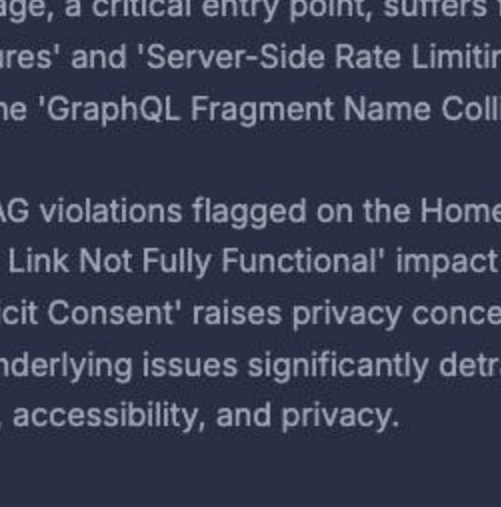
Areas for Improvement

The high number of network and accessibility issues on the Home page significantly degrades user experience.

Quality Summary

HOME

1.14 seconds



[View Screenshot](#)

Detailed Analysis

The Wayfair app presents a mixed bag. The Home page, a critical entry point, suffers from a concerning number of network and performance-related bugs. 'Network Resolution Failures' and 'Server-Side Rate Limiting' issues point to potential architectural bottlenecks or insufficient resource allocation on the backend. The 'GraphQL Fragment Name Collision' bug indicates potential code quality issues within the application's data handling layer.

Accessibility is another pain point, with multiple WCAG violations flagged on the Home page. Issues like 'Missing Alt Text for Images', 'Unclear Visual Focus States', and a 'Skip Navigation Link Not Fully Functional' impact users with disabilities and potentially hinder SEO. The 'Potential Third-Party Tracking via Pixel without Explicit Consent' raises privacy concerns and might violate GDPR regulations.

While the core functionality may be present, these underlying issues significantly detract from the overall quality and user experience, requiring attention to both performance optimization, accessibility, and privacy.

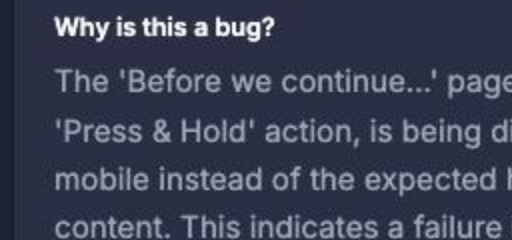
Key Suggestions

- Prioritize performance optimization to reduce network errors.
- Conduct a thorough accessibility audit and fix all WCAG violations.
- Review and improve the bot detection mechanism to prevent mobile display.
- Implement monitoring for network errors and accessibility issues.
- Improve backend stability and performance

Priority Improvements

1. Implement robust error handling and caching mechanisms to mitigate 'Network Resolution Failures (net:ERR_NAME_NOT_RESOLVED)'.
2. Optimize API calls and implement proper rate limiting on the server-side to prevent 'Server-Side Rate Limiting (429 Errors)'.
3. Conduct an accessibility audit and address all WCAG violations, including adding 'Alt Text for Images', clarifying 'Visual Focus States', and ensuring full functionality of the 'Skip Navigation Link'.
4. Review and validate all third-party tracking implementations to ensure explicit user consent and GDPR compliance, addressing the 'Potential Third-Party Tracking via Pixel without Explicit Consent'.
5. Refactor GraphQL fragments to resolve 'GraphQL Fragment Name Collision'.

Issues Found by AI Testers



HOME

Adeela
Mobile Responsive Tester

Bot Detection Page Displayed on Mobile

Priority: 9/10 Confidence: 9/10

general functionality

Why is this a bug?
The 'Before we continue...' page, requiring a 'Press & Hold' action, is being displayed on mobile instead of the expected homepage content. This indicates a failure in responsive design, potentially triggering bot detection due to the mobile user agent or rapid page resizing. The user is blocked from accessing the main website content.

Suggested Fix
Investigate why the mobile view triggers bot detection. Review the responsive design implementation and ensure that the user agent and/or resizing events are not being misinterpreted as bot-like activity. Implement proper mobile-specific handling to avoid this issue.

Why Fix This?
This issue completely blocks mobile users from accessing the website's content and functionality. This is a major usability issue that needs to be addressed urgently.

Route To
Frontend Engineer / Backend Engineer (for bot detection logic)

Relevant Network Call

```
Check network calls related to bot detection, especially any calls returning error or challenge responses.
```

Aisha
Tester for Missing Aspects

'Skip to Main Content' Link Functionality

Priority: 8/10 Confidence: 9/10

WCAG Usability

Why is this a bug?
The 'Skip to Main Content' link is a critical accessibility feature, but its effectiveness is questionable if the target (element with ID 'bd') is not clearly defined and easily navigable. Verify if the link truly focuses on the beginning of the main content area, allowing users to bypass repetitive navigation elements.

Suggested Fix
Ensure that the element with ID 'bd' is the first element within the main content area and that it receives focus when the 'Skip to Main Content' link is activated. Add 'tabindex="-1"' to the 'bd' element and call its 'focus()' method after jumping to it, or use 'document.getElementById('bd').scrollIntoView()' to bring focus to the element.

Why Fix This?
This significantly improves accessibility for keyboard and screen reader users by allowing them to skip over navigation menus and go directly to the main content.

Route To
Frontend Engineer

Pete
Privacy and Security Tester

Potential Third-Party Tracking via Pixel without Explicit Consent

Priority: 7/10 Confidence: 7/10

GDPR Third-Party Tracking

Why is this a bug?
The presence of a request to 'prx.wayfair.com/prx/shr/api/v1/collector/noScr appId=PX3Vk98i6i' strongly suggests the use of a tracking pixel. This tracking might occur without explicit user consent or sufficient transparency, potentially violating GDPR and other privacy regulations. The 'noScript.gif' indicates that the pixel may be active even if JavaScript is disabled. Further investigation is needed to confirm if this pixel is collecting personal data and if adequate consent mechanisms are in place.

Suggested Fix
Investigate the purpose and implementation of the tracking pixel. Ensure that explicit user consent is obtained before activating the pixel and that the privacy policy clearly discloses the data collection practices associated with it. Implement a consent management platform (CMP) to manage user consent effectively.

Why Fix This?
Failure to comply with GDPR and other privacy regulations can result in significant fines and reputational damage. Transparency and user control over data collection are essential for maintaining user trust and ensuring legal compliance.

Route To
Privacy Engineer / Legal Team / Front End Engineer

Relevant Network Call

```
https://prx.wayfair.com/prx/shr/api/v1/collector/noScripts.gif?appId=PX3Vk98i6i
```

Jason
AI Tester

Server-Side Rate Limiting (429 Errors)

Priority: 7/10 Confidence: 8/10

network performance api

Why is this a bug?
The repeated '429' status codes indicate that the application is being rate-limited by the server. This occurs when the application exceeds the allowed number of requests within a specific timeframe. This can lead to a degraded user experience and potentially block legitimate users from accessing the application.

Suggested Fix
Implement client-side request throttling with exponential backoff. Review server-side rate limiting configuration and increase limits if appropriate. Optimize API request frequency and payload size.

Why Fix This?
Addressing rate limiting issues improves application performance, prevents service disruptions, and ensures a smooth user experience.

Route To
Backend Engineer/DevOps Engineer

Jason
AI Tester

Network Resolution Failures (net:ERR_NAME_NOT_RESOLVED)

Priority: 7/10 Confidence: 8/10

network performance

Why is this a bug?
Multiple 'net:ERR_NAME_NOT_RESOLVED' errors indicate that the application is unable to resolve the domain names of required resources. This results in failed requests, broken functionality, and a degraded user experience. It could be a DNS configuration issue on the client-side or a problem with the server's DNS resolution.

Suggested Fix
Investigate DNS configuration on the server and client-side. Ensure that DNS servers are correctly configured and reachable. Verify that the domain names used in the application are valid and resolving correctly.

Why Fix This?
Resolving DNS resolution failures restores access to essential resources, improves application performance, and prevents broken functionality.

Route To
DevOps Engineer/Backend Engineer

Abdul
Privacy and Security Tester

Potential Denial of Service (DoS) due to Excessive Requests

Priority: 6/10 Confidence: 8/10

Performance General

Why is this a bug?
The console logs show numerous 'Failed to load resource: the server responded with a status of 429 ()' errors. A 429 status code indicates 'Too Many Requests', suggesting the client (browser) is being rate-limited by the server. This could be due to an excessive number of requests being made by the page within a short period, potentially leading to a denial-of-service condition, especially if many users experience the same issue. Further investigation is required to determine if the excessive requests are legitimate or malicious.

Suggested Fix
Implement client-side request throttling to prevent sending too many requests in a short period. Investigate the cause of the excessive requests and optimize network calls, if possible. Implement more robust server-side rate limiting and monitoring to detect and mitigate potential DoS attacks.

Why Fix This?
Excessive requests leading to 429 errors can degrade the user experience and potentially lead to service unavailability if the server becomes overloaded. Addressing this issue improves the performance and stability of the website and prevents potential abuse.

Route To
Backend Engineer/DevOps Engineer

Relevant Network Call

```
Multiple requests to various assets.wfcdm.com resources resulting in 429 errors.
```

Isabella
Usability Tester

Missing Alt Text for Images

Priority: 7/10 Confidence: 9/10

WCAG accessibility

Why is this a bug?
Images are missing alt text, which is a WCAG failure (1.1.1 Non-text Content). This prevents screen reader users from understanding the purpose of the image.

Suggested Fix
Add meaningful alt text to all images on the page. This should be descriptive of the image's content and function.

Why Fix This?
Missing alt text significantly impacts accessibility for visually impaired users, violating WCAG guidelines.

Route To
Frontend Engineer

Aisha
Tester for Missing Aspects

Missing Focus Styles on Interactive Elements

Priority: 7/10 Confidence: 7/10

WCAG Usability

Why is this a bug?
It's crucial to ensure that interactive elements (links, buttons, form fields) have clear and visible focus styles when navigated to using a keyboard. Missing or inadequate focus styles violate WCAG 2.4.7 Focus Visible, making it difficult for keyboard users to understand where they are on the page.

Suggested Fix
Implement clear and distinct focus styles (e.g., a thick outline, a change in background color, or other visual cues) for all interactive elements on the page. The style should be sufficiently contrasting to be easily visible against the element's default appearance.

Why Fix This?
This is essential for keyboard accessibility and improves the overall user experience for people who prefer keyboard navigation.

Route To
Frontend Engineer

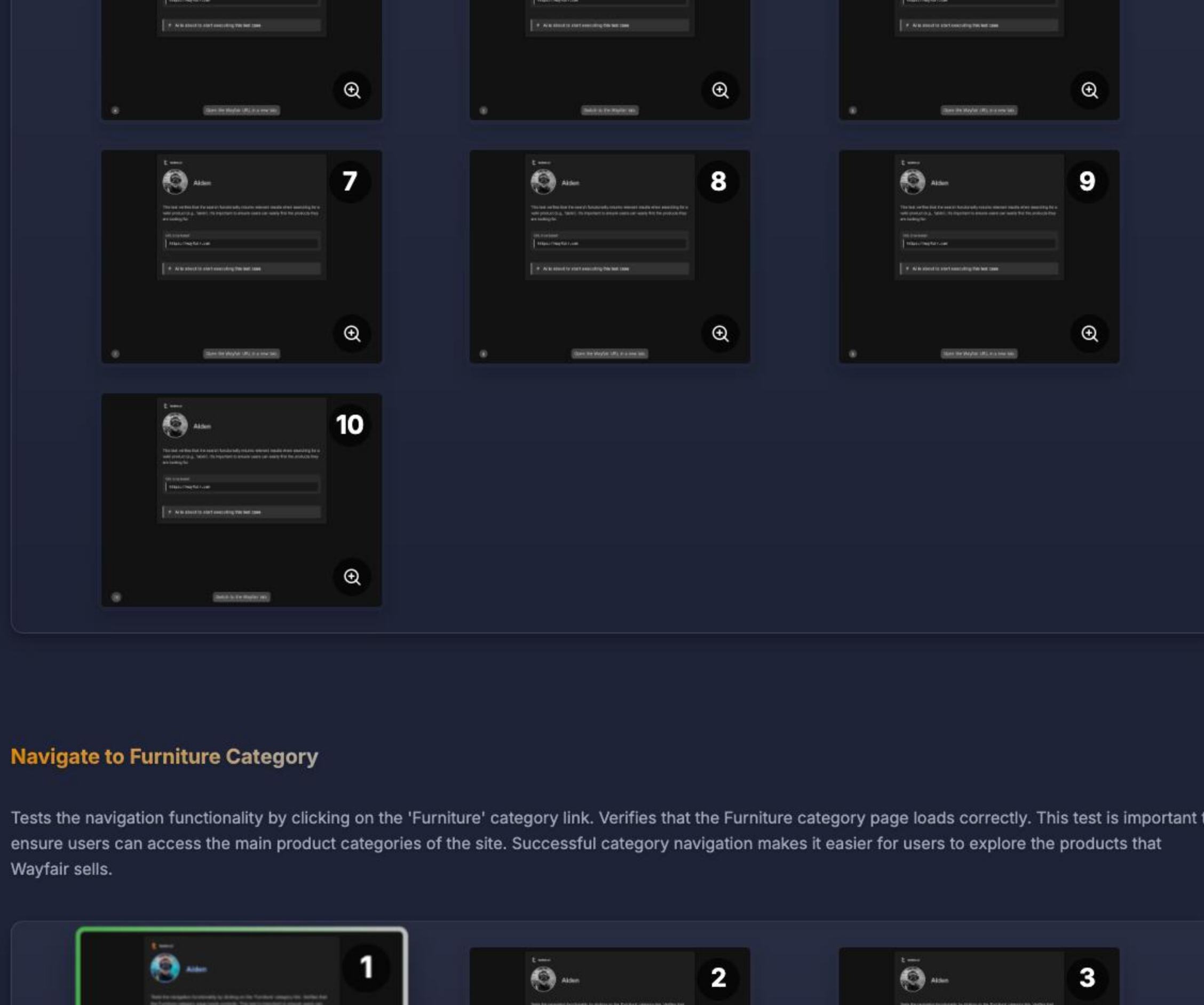
AI Generated Functional Test Results

Start Page: HOME



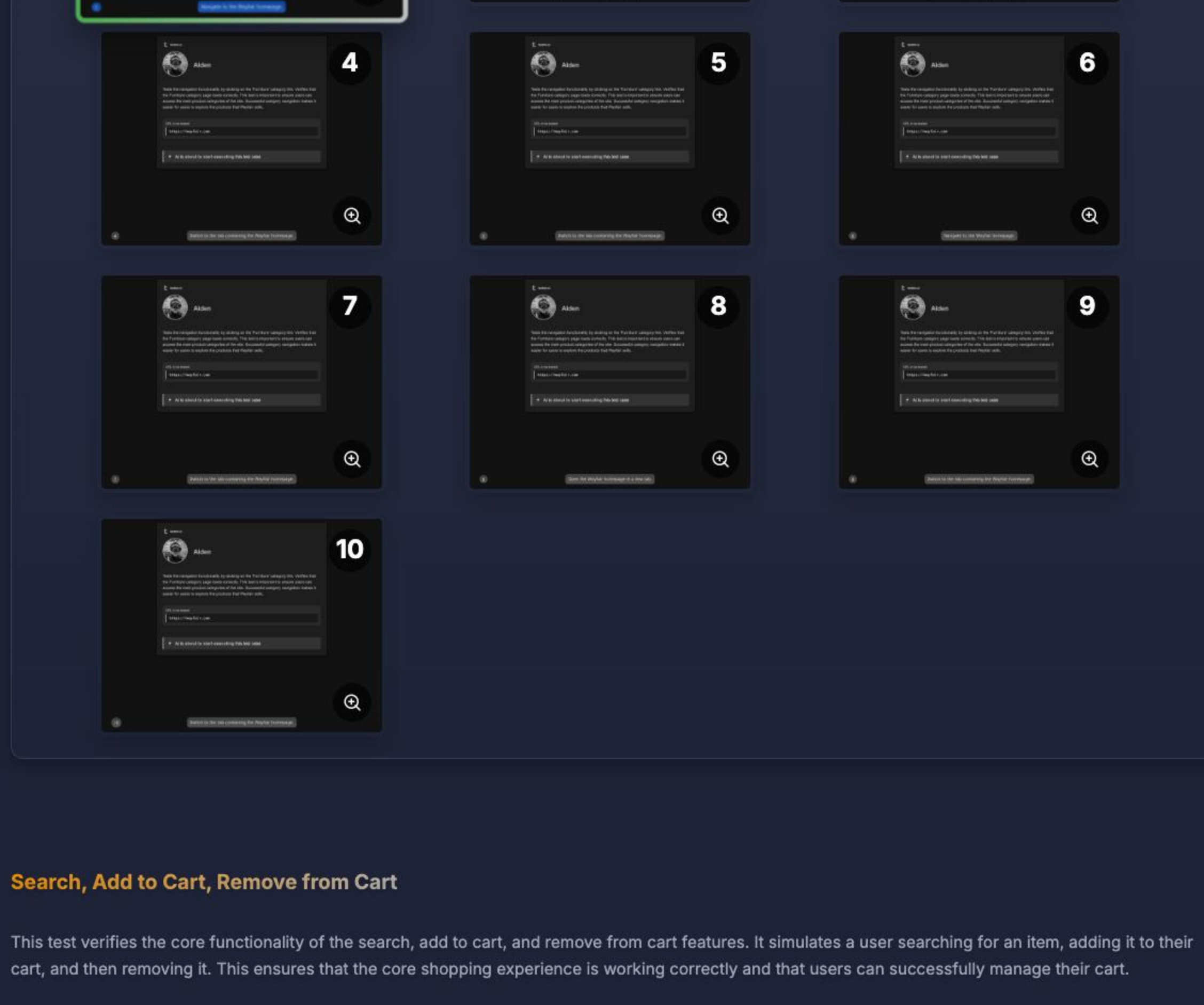
Search for a valid product and verify results

This test verifies that the search functionality returns relevant results when searching for a valid product (e.g., 'table'). It's important to ensure users can easily find the products they are looking for.



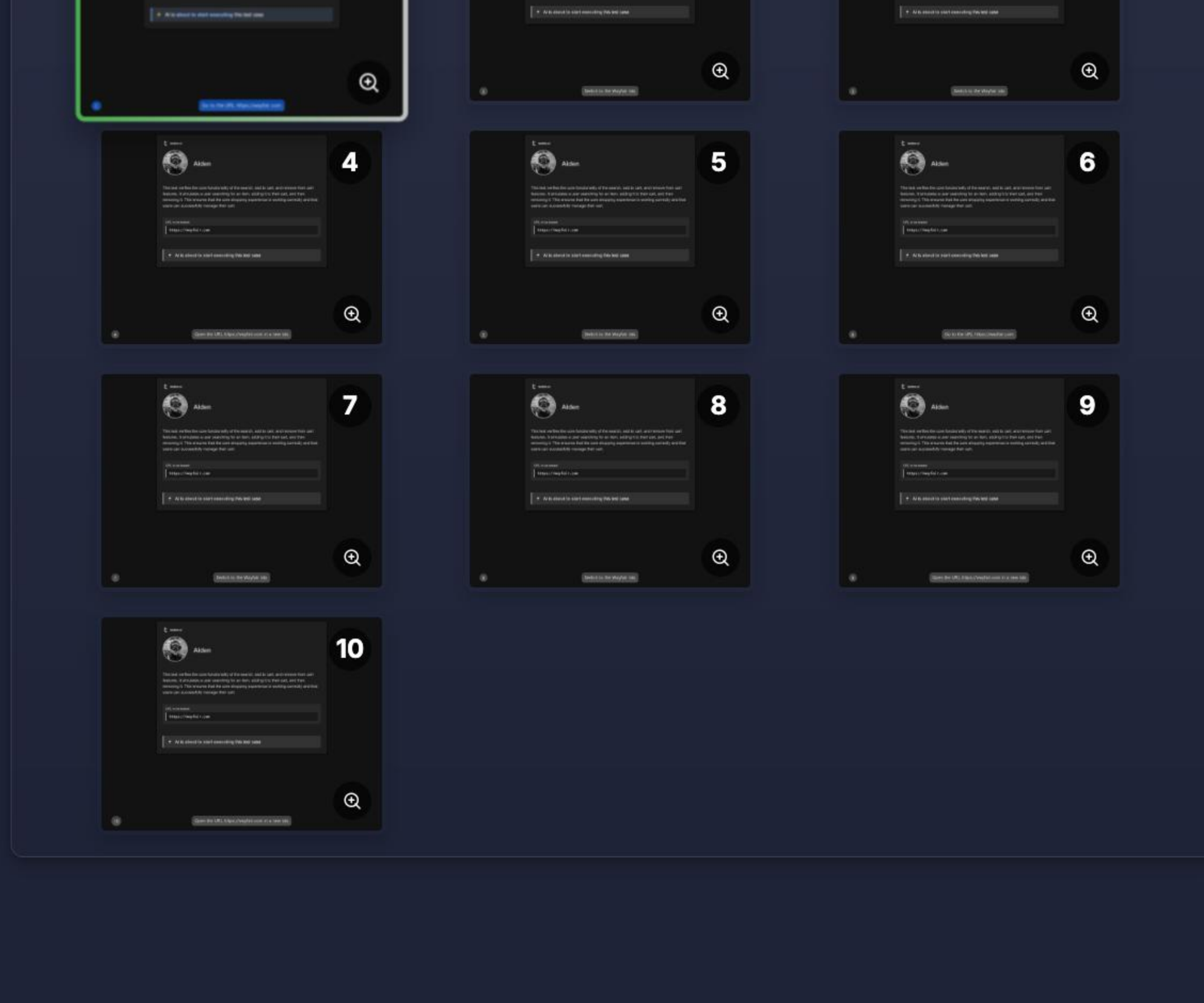
Navigate to Furniture Category

Tests the navigation functionality by clicking on the 'Furniture' category link. Verifies that the Furniture category page loads correctly. This test is important to ensure users can access the main product categories of the site. Successful category navigation makes it easier for users to explore the products that Wayfair sells.

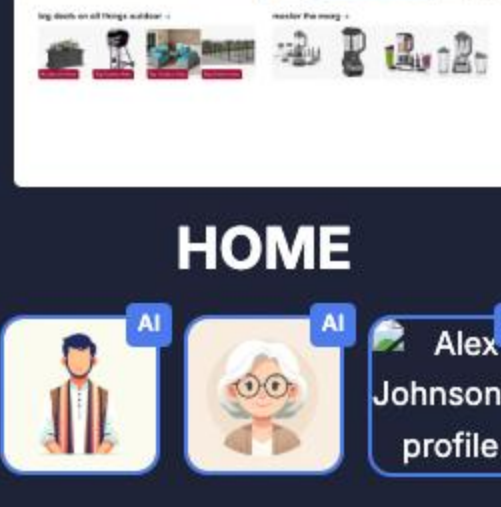


Search, Add to Cart, Remove from Cart

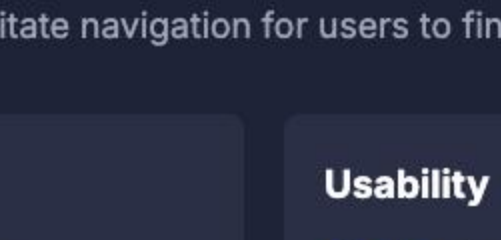
This test verifies the core functions of the search, add to cart, and remove from cart features. It simulates a user searching for an item, adding it to their cart, and then removing it. This ensures that the core shopping experience is working correctly and that users can successfully manage their cart.



User Persona Feedback Summary



HOME



The website serves as the homepage for Wayfair, an online retailer specializing in furniture, home decor, and related products. It aims to showcase current promotions, highlight key product categories, and facilitate navigation for users to find and purchase desired items.

Overall Score	Visual Design	Usability	Content Quality
★★★★☆	★★★★☆	★★★★☆	★★★★☆
Wayfair's website is a comprehensive online marketplace, but its usability and content relevance could be improved. Navigating through the extensive product catalog can be overwhelming, and the design feels somewhat cluttered. However, the wide range of products and frequent sales are appealing.	The visuals are decent, but it feels like too much is crammed onto one page. It's a bit overwhelming, making it hard to focus on what I'm looking for.	Finding specific items can be challenging due to the vast product selection and sometimes confusing navigation. The search function is helpful, but could be improved.	The website offers a wide range of products and helpful information, but the sheer volume of content can be overwhelming. More curated selections or personalized recommendations would be beneficial.

Individual User Persona Feedback

Raj Patel, 35

Persona: Raj is a software engineer living in a city apartment. He enjoys modern design and technology. He likes to buy furniture online and spend time decorating and furnishing his new apartment.

Overall Rating

★★★★☆

As a software engineer, the site is well-organized enough. I want to search for a desk that suits me and that I can afford. The filtering works ok and I can find what I need. Happy with the prices overall.

Actions Performed

- Browse furniture categories
- Search for specific items

Suggestions

- Add 3D product visualizations to better showcase furniture details.
- Implement an AR furniture placement tool to help users visualize items in their homes.

Susan Miller, 62

Persona: Susan is a retired teacher who enjoys gardening and home decor. She spends time browsing online for home decor inspiration and deals.

Overall Rating

★★★★☆

It's a little overwhelming with all the choices, but I appreciate the variety. Finding things on sale is my main goal. Some of the categories are confusing.

Actions Performed

- Browse outdoor decor
- Search for specific plants

Suggestions

- Simplify navigation to make it easier to find specific items.
- Increase the text size for better readability.

Alex Johnson's profile **Alex Johnson, 25**

Persona: Alex is a recent college graduate starting their first apartment. They are budget-conscious and looking for affordable furniture and decor to furnish their new place.

Overall Rating

★★★★☆

As a recent college graduate on a tight budget, the website has good options for furniture and decor. I need some bedroom stuff as well as living room furniture. It's great that I can also pay in segments, which allows me to buy more products.

Actions Performed

- Browse sale items
- Compare prices

Suggestions

- Offer a wider selection of budget-friendly options.
- Provide free shipping on orders over a certain amount.