

# AI Test Results from testers.ai



The Hisense app's HOME page demonstrates several quality shortcomings. A significant number of bugs, totaling 9, were identified, spanning various categories. Accessibility issues are prominent, with missing alt text for images and ambiguous 'Shop Now' links, hindering usability for users with disabilities. Furthermore, the presence of outdated copyright information and the use of a third-party script from cdn.pricespider.com raise concerns about the app's maintenance and potential security vulnerabilities. The missing Content Security Policy (CSP) header further exacerbates these security concerns. Finally, the missing top navigation bar on mobile severely impacts the mobile user experience.

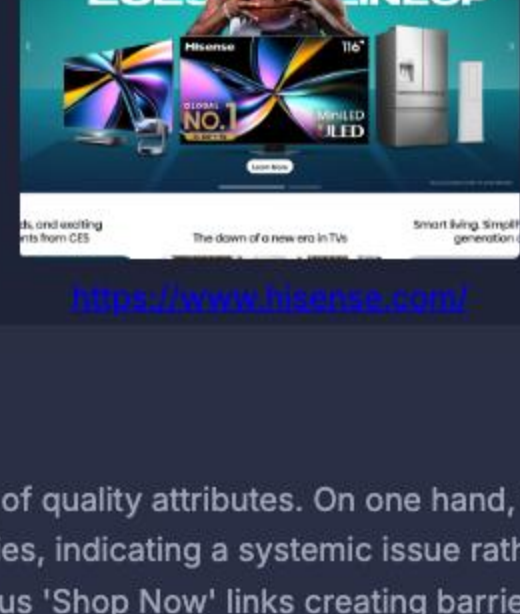
## Best Aspects

No positive aspects can be directly determined from the provided bug data. The lack of bugs relating to overall visual presentation gives the best opportunities for an A-grade rating with only minor efforts.

## Areas for Improvement

Accessibility and security vulnerabilities are the most concerning aspects, with multiple instances of both found on the HOME page. Outdated content and general navigation issues further detract from the user experience.

## Quality Summary



### Detailed Analysis

The Hisense app's HOME page reveals a mixed bag of quality attributes. On one hand, the sheer number of bugs (9) identified raises serious concerns. These bugs span several categories, indicating a systemic issue rather than isolated incidents. Accessibility is a recurring theme, with missing alt text for images and ambiguous 'Shop Now' links creating barriers for users with disabilities. This lack of attention to detail reflects poorly on the app's overall quality and inclusivity. On the other hand, beyond the bugs, there isn't sufficient data to make affirmative remarks about quality. The problems found indicate a failure to follow basic coding and security standards.

### Key Suggestions

- Conduct a thorough accessibility audit of the entire app and address all identified issues.
- Implement robust security measures, including CSP headers, regular security scans, and prompt patching of vulnerabilities.
- Establish a process for regularly updating content and ensuring its accuracy.
- Improve the mobile user experience by ensuring consistent navigation and layout across all devices.
- Implement automated tests to catch accessibility and security issues early in the development cycle.

### Priority Improvements

- Implement a Content Security Policy (CSP) header to mitigate cross-site scripting (XSS) attacks.
- Remove the third-party script from cdn.pricespider.com or update it to a secure and well-maintained version.
- Add descriptive alt text to all images on the HOME page to improve accessibility.
- Update the copyright year to the current year.
- Provide more context for the 'Shop Now' links to make them more accessible and user-friendly.
- Ensure the top navigation bar is present and functional on the mobile version of the HOME page.

## Issues Found by AI Testers



### HOME

**Sophia**  
Content Tester

**Outdated Copyright Year**

Priority: 8/10 Confidence: 9/10

**Legal Issues**

**Why is this a bug?**  
The copyright notice at the bottom of the page shows '2023 © Copyright Hisense'. The current year is 2025, making the copyright notice outdated. This can potentially cause legal issues and appears unprofessional.

**Suggested Fix**  
Update the copyright year in the footer of the website to '2025'. The update should be automated to ensure the year is always current.

**Why Fix This?**  
An outdated copyright notice can undermine the credibility of the website and potentially lead to legal complications related to copyright protection.

**Route To**  
Frontend Developer

**Adeela**  
Mobile Responsive Tester

**Top Navigation Bar Missing on Mobile**

Priority: 8/10 Confidence: 9/10

**general navigation**

**Why is this a bug?**  
The top navigation bar present in the desktop view (containing links like 'Televisions', 'Projectors', 'Audio', etc.) is completely missing in the mobile view. This severely impacts the user's ability to navigate the website on mobile devices. The hamburger menu is not an equivalent as it does not provide direct links like the desktop version.

**Suggested Fix**  
Implement a mobile-friendly navigation solution, such as a hamburger menu or a bottom navigation bar, that includes all the same navigation options as the desktop version. Ensure this is implemented consistently.

**Why Fix This?**  
Without a clear navigation menu, users will struggle to find specific products or sections on the website, leading to a poor user experience and potentially lost sales.

**Route To**  
Front-end developer

**Alejandro**  
Accessibility Tester

**'Shop Now' links lack context**

Priority: 7/10 Confidence: 8/10

**WCAG Links and Buttons Accessibility**

**Why is this a bug?**  
Multiple 'Shop Now' links exist without sufficient context to understand where they lead. Screen reader users will hear 'Shop Now' multiple times without knowing what they are shopping for. This violates WCAG 2.4.4 (Link Purpose (In Context)).

**Suggested Fix**  
Add accessible labels to the 'Shop Now' links to clarify the destination or product being shopped for. For example, 'Shop Now for U6 Series', 'Shop Now for U7 Series', 'Shop Now for U8 Series', 'Shop Now for Smart Refrigerator'.

**Why Fix This?**  
Improving link context will enhance usability for screen reader users and those navigating via keyboard, aligning with WCAG guidelines and best practices.

**Route To**  
Frontend Engineer

**Jason**  
AI Tester

**Multiple Resource Resolution Failures**

Priority: 7/10 Confidence: 8/10

**network performance content**

**Why is this a bug?**  
The repeated 'Failed to load resource: net::ERR\_NAME\_NOT\_RESOLVED' errors indicate that the application is unable to locate and load resources. This could be due to incorrect URLs, network connectivity problems, or DNS resolution issues. The repetition suggests a systemic problem rather than a one-off glitch.

**Suggested Fix**  
1. Verify the correctness of all resource URLs in the application's code and configuration. 2. Investigate potential network connectivity issues affecting the application's ability to reach the resources. 3. Check DNS settings to ensure proper resolution of resource hostnames. 4. Implement error handling and fallback mechanisms to gracefully handle resource loading failures.

**Why Fix This?**  
Failing to load resources can lead to broken functionality, visual defects, and a degraded user experience. It can also negatively impact performance if the application repeatedly attempts to load the same resources.

**Route To**  
Frontend Engineer, Backend Engineer, DevOps Engineer

**Abdul**  
Privacy and Security Tester

**Missing Content Security Policy (CSP) Header**

Priority: 7/10 Confidence: 8/10

**OWASP Security Misconfiguration**

**Why is this a bug?**  
The server response doesn't include a Content Security Policy (CSP) header. A CSP header allows the site to define a whitelist of sources from which the browser is permitted to load resources, effectively mitigating the risk of Cross-Site Scripting (XSS) attacks by preventing the browser from executing malicious scripts injected into the page. Absence of this header represents a significant security misconfiguration.

**Suggested Fix**  
Implement a Content Security Policy (CSP) header with a restrictive whitelist of allowed sources for scripts, stylesheets, images, and other resources. Regularly review and update the CSP policy to adapt to changes in the application's resource dependencies.

**Why Fix This?**  
Implementing CSP drastically reduces the risk and impact of XSS attacks, contributing significantly to the overall security of the website and protection of user data.

**Route To**  
Security Engineer/DevOps Engineer

**Relevant Network Call**  
<https://www.hisense-usa.com/>

**Isabella**  
Usability Tester

**Missing Alt Text for Image in a Link**

Priority: 7/10 Confidence: 8/10

**WCAG accessibility**

**Why is this a bug?**  
Links containing images, specifically the product links like those under the "All-New 2025 Lineup", appear to be missing alt text. Without alt text, screen reader users will not be able to understand the context of the image within the link. The alt text should describe the image, but ideally also describe the product linked to, in this case.

**Suggested Fix**  
Add descriptive alt text to the images within the product links under "All-New 2025 Lineup" and other similar sections.

**Why Fix This?**  
Ensures accessibility for screen reader users and improves overall user experience.

**Route To**  
Frontend Engineer

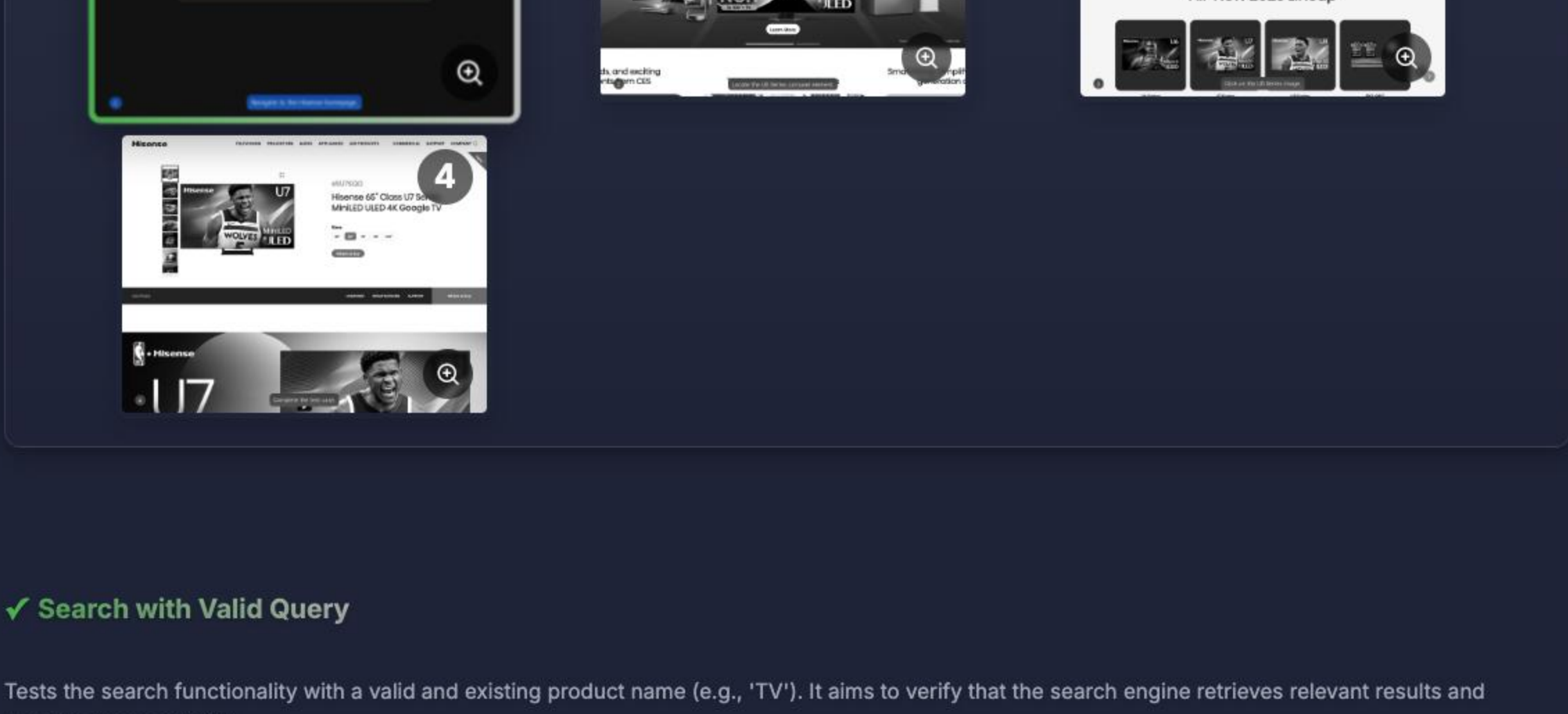
## AI Generated Functional Test Results

### Start Page: HOME

**Aiden**  
Demo\_Tests

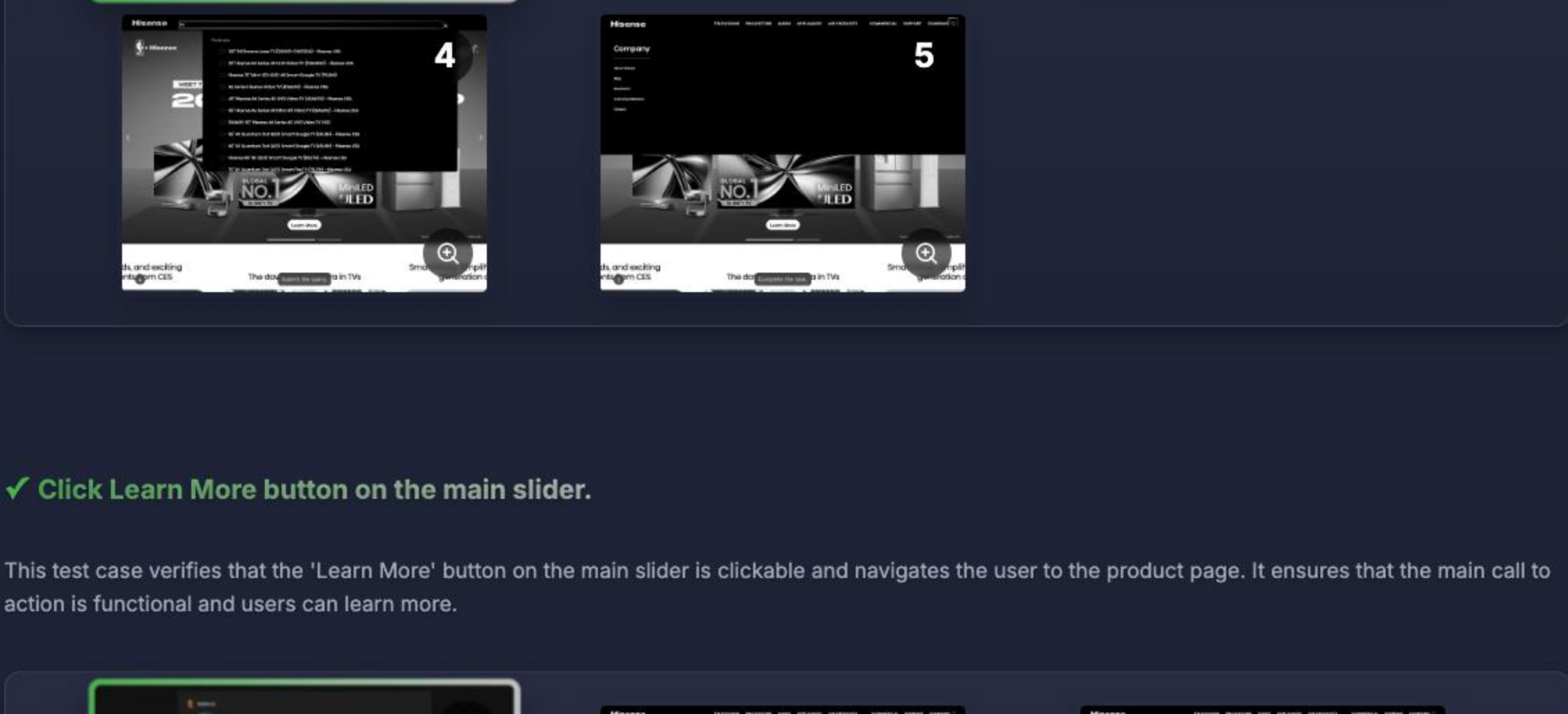
#### ✓ Navigate to U6 Series Product Page From Carousel

Test navigation from the homepage carousel to the U6 Series product page by clicking on the "View Now" button associated with the U6 Series item in the carousel. This test verifies the link between the homepage promotion and the actual product details page, ensuring users can easily access more information.



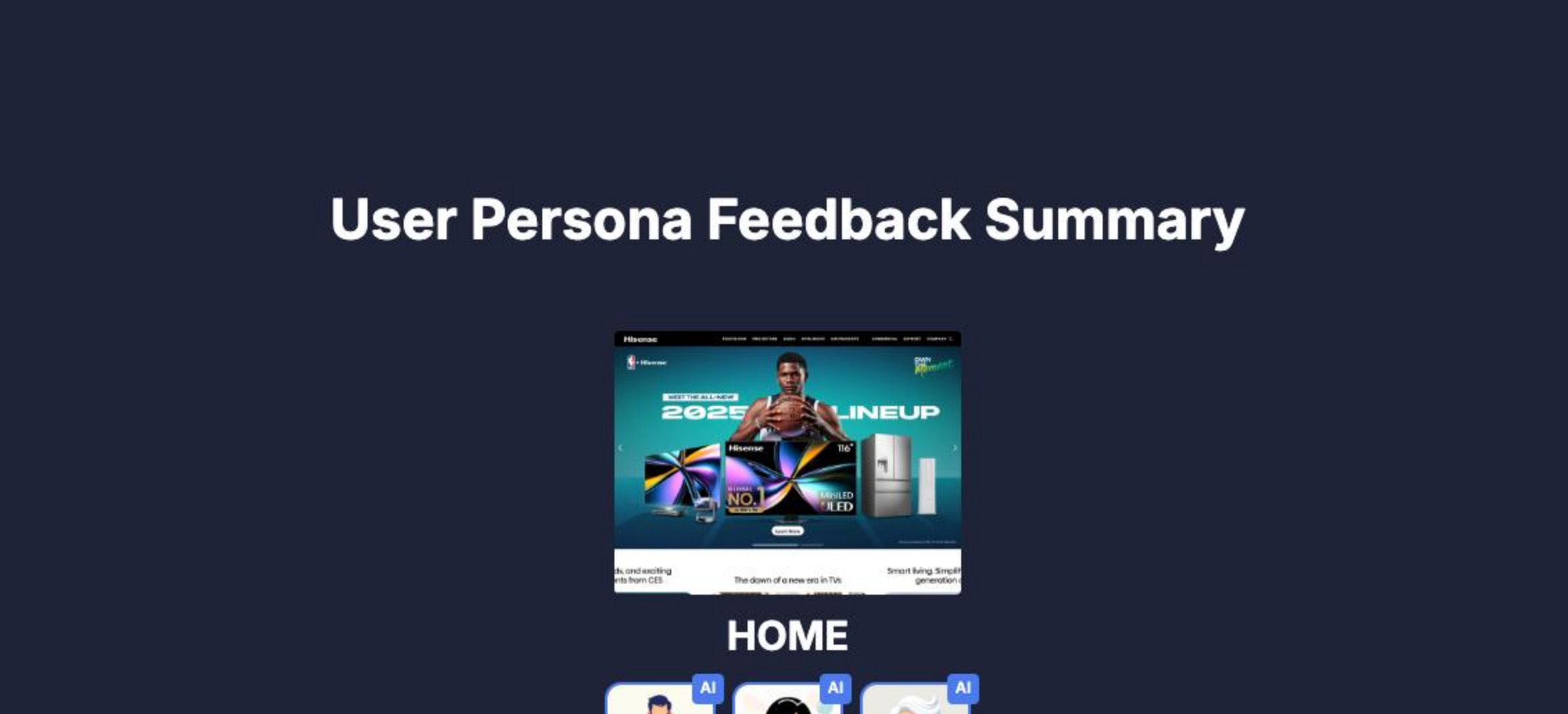
#### ✓ Search with Valid Query

Tests the search functionality with a valid and existing product name (e.g., "TV"). It aims to verify that the search engine retrieves relevant results and displays them correctly.

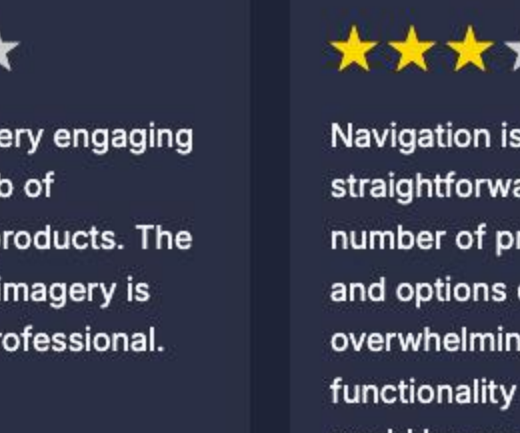


#### ✓ Click Learn More button on the main slider.

This test case verifies that the 'Learn More' button on the main slider is clickable and navigates the user to the product page. It ensures that the main call to action is functional and users can learn more.



## User Persona Feedback Summary



### HOME



The purpose of the Hisense website is to showcase and sell their range of electronics and home appliances, provide product support, and share company information.

Overall Score	Visual Design	Usability	Content Quality
★★★★☆	★★★★☆	★★★★☆	★★★★☆
The website is visually appealing and informative, but improvements could be made in navigation and clarity of product information. The overall impression is positive, but some aspects could be refined for a better user experience.	The visuals are very engaging and do a great job of highlighting the products. The use of color and imagery is consistent and professional.	Navigation is generally straightforward, but the sheer number of product categories and options can be overwhelming. Search functionality is adequate, but could be more precise.	The website provides a good amount of information about each product, including specifications and features. However, the language is sometimes too technical and could be simplified for a broader audience.

### Individual User Persona Feedback

**Rajesh Patel, 35**

Persona: Rajesh is a software engineer who enjoys gaming and home entertainment. He is looking to upgrade his home theater system with a new TV and soundbar.

**Overall Rating**  
★★★★☆

*The website is easy to navigate and provides detailed information about the products. I appreciate the high-quality images and videos, which give me a good sense of what the products look like. I was also able to easily compare different models to find the best fit for my needs.*

**Actions Performed**

- Browse TVs
- Compare models

**Suggestions**

- Add more detailed specifications to the product comparison tool.
- Ensure the website is fully accessible with keyboard navigation.

**Samantha Lee, 28**

Persona: Samantha is a young professional who enjoys watching movies and TV shows. She is looking for a new TV that is both stylish and affordable.

**Overall Rating**  
★★★★☆

*The website is visually appealing, but the product descriptions are a bit too technical. I would like to see more information about the design and aesthetics of the TVs.*

**Actions Performed**

- Browse TVs
- Check out the Smart TV platforms

**Suggestions**

- Add more lifestyle images of TVs in real homes.
- Simplify product descriptions to focus on design and style.
- Create a way to filter TVs based on design and style.

**Robert Miller, 62**

Persona: Robert is retired and enjoys watching movies and sports. He wants a simple and easy-to-use TV with good picture quality.

**Overall Rating**  
★★★★☆

*The website is overwhelming with too much technical jargon and too many options. I just want a simple TV that works well and is easy to use. Finding the customer support information was also not very straightforward.*

**Actions Performed**

- Browse TVs
- Find customer support information

**Suggestions**

- Simplify the website and product descriptions.
- Make the customer support information more prominent.
- Offer a simpler TV model specifically for older adults.