

AI Test Results from testers.ai



The Vizio app's HOME page presents a concerning picture of software quality. A multitude of bugs, accessibility violations, and potential data privacy breaches mar the user experience. Performance is hampered by missing focus indicators, ambiguous link text ('Learn More', 'Explore Now'), and insufficient text contrast, creating barriers for users with disabilities. The presence of duplicate Meta Pixel IDs and potential third-party tracking raises serious concerns about data privacy and GDPR compliance. Furthermore, maintainability is questionable, given the redundant and potentially conflicting CSS files. The missing top navigation bar on mobile devices is a significant usability issue.

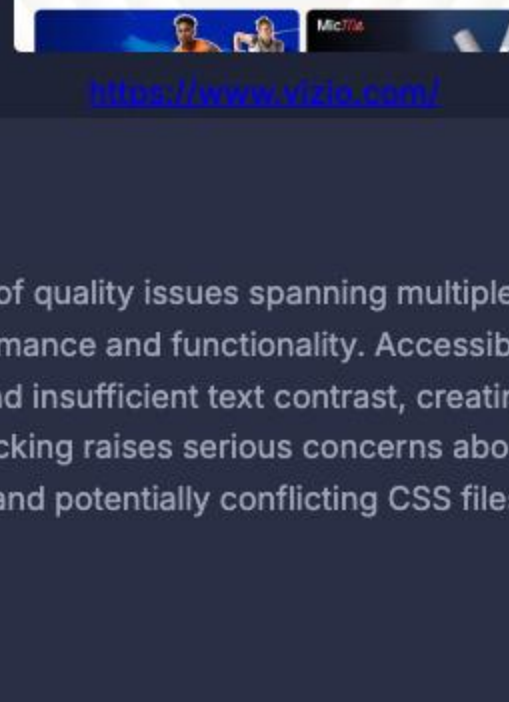
Best Aspects

The app collects user feedback which suggests an interest in continuous quality improvement and attention to the user experience.

Areas for Improvement

The HOME page suffers from critical issues related to performance, accessibility, and data privacy.

Quality Summary



Detailed Analysis

The Vizio app's HOME page demonstrates a variety of quality issues spanning multiple categories. The presence of deprecated API usage and resource loading failures directly impacts performance and functionality. Accessibility is compromised by missing focus indicators, ambiguous link text ('Learn More', 'Explore Now'), and insufficient text contrast, creating barriers for users with disabilities. The presence of duplicate Meta Pixel IDs and potential third-party tracking raises serious concerns about data privacy and GDPR compliance. Furthermore, maintainability is questionable, given the redundant and potentially conflicting CSS files. The missing top navigation bar on mobile devices is a significant usability issue.

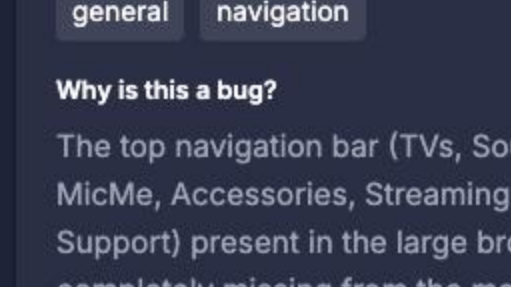
Key Suggestions

- Prioritize accessibility fixes, ensuring compliance with WCAG guidelines.
- Conduct a thorough review of all third-party tracking mechanisms to ensure GDPR compliance and user privacy.
- Optimize CSS files and eliminate deprecated APIs to improve page load times and overall performance.
- Establish a comprehensive testing strategy that includes accessibility testing, performance testing, and security testing.

Priority Improvements

- Remove deprecated API usage (container.buildInfo.environment) to improve performance and prevent future compatibility issues.
- Eliminate redundant and conflicting CSS files to optimize page load times and improve maintainability.
- Implement clear and descriptive text for all interactive elements, especially the close button, to comply with WCAG accessibility guidelines.
- Investigate and rectify the duplicate Meta Pixel ID issue to ensure accurate data collection and prevent privacy violations.
- Replace ambiguous link text ('Learn More', 'Explore Now') with specific and informative labels to improve usability.

Issues Found by AI Testers



HOME

Adeela
Mobile Responsive Tester

Missing Top Navigation Bar on Mobile
Priority: 8/10 Confidence: 9/10

general navigation

Why is this a bug?
The top navigation bar (TVs, Soundbars, MicMe, Accessories, Streaming, About, Support) present in the large browser view is completely missing from the mobile view. This makes it difficult for users to navigate to other sections of the website on mobile devices.

Suggested Fix
Implement a responsive design for the top navigation bar. Either refactor the existing navigation for mobile or provide mobile specific navigation elements in the hamburger menu.

Why Fix This?
Lack of navigation severely limits the user's ability to explore and use the website on mobile, potentially decreasing engagement and conversions.

Route To
Frontend Engineer

Jason
AI Tester

Resource Loading Failures: ERR_NAME_NOT_RESOLVED
Priority: 7/10 Confidence: 8/10

network performance functionality

Why is this a bug?
The console logs 'Failed to load resource: net:ERR_NAME_NOT_RESOLVED', indicating that the application is failing to load resources. This could be due to DNS resolution issues, incorrect URLs, or network connectivity problems. Repeated instances are logged. Impact to users can be high if the failed resources are essential.

Suggested Fix
Investigate the URLs of the failing resources. Verify DNS resolution and network connectivity. Implement error handling to gracefully handle resource loading failures. The engineering team should determine if these are failing consistently for all users, or only certain users or network environments.

Why Fix This?
To ensure all resources are loaded correctly, improving the user experience and preventing broken functionality.

Route To
Backend Engineer, DevOps Engineer

Isabella
Usability Tester

Missing Descriptive Text for Close Button
Priority: 7/10 Confidence: 8/10

WCAG Accessibility

Why is this a bug?
The 'Close' button (tag_name: 'a', class: 'v20-global-navigation__close', aria-label: 'close') lacks sufficient context for screen reader users. While it has an aria-label, the label 'close' by itself doesn't explain what the button closes, making it difficult for users to understand its function without visual context. The absence of descriptive text violates WCAG 2.1 Success Criterion 2.4.4 (Link Purpose (In Context)).

Suggested Fix
Add descriptive text to the 'Close' button or modify the aria-label to specify what the button closes (e.g., 'Close Navigation Menu').

Why Fix This?
Improves accessibility for screen reader users by providing clear context for interactive elements.

Route To
Front-end Engineer

Sharon
API and Networking Tester

Redundant and Potentially Conflicting CSS Files
Priority: 7/10 Confidence: 8/10

Performance Maintainability

Why is this a bug?
The webpage loads multiple CSS files (combined.min.css, common.min.css, 2020.min.css, base.min.css, author.css, 2022-header.css, and 2023.css). Loading that many CSS files results in unnecessary HTTP requests and increased page load time. Also, the presence of CSS files named after years (2020, 2022, 2023) suggests potential issues with outdated styles or a lack of proper CSS management. There is a high likelihood of CSS rule conflicts, making it difficult to maintain a consistent design.

Suggested Fix
Consolidate the CSS files into a smaller number of files, ideally one or two. Implement a CSS architecture (like BEM, OOCSS, or similar) to improve maintainability and reduce conflicts. Remove outdated or unused styles. Consider using a CSS preprocessor (like Sass or Less) and a build process to manage CSS more effectively.

Why Fix This?
Reducing the number of HTTP requests will improve page load time. A cleaner CSS architecture will make the site easier to maintain and update. Removing outdated styles will reduce the risk of visual bugs and improve performance.

Route To
Frontend Engineer

Relevant Network Call

```
https://www.vizio.com/etc/clientlibs/vizio/clientlibs/combined.min.css
https://www.vizio.com/etc/clientlibs/vizio/clientlibs/common.min.css
https://www.vizio.com/etc/clientlibs/vizio/clientlibs/2023.min.css
https://www.vizio.com/etc/clientlibs/vizio/clientlibs/base.min.css
https://www.vizio.com/content/dam/vizio/author.css
https://www.vizio.com/etc/clientlibs/vizio/clientlibs/2022-header.css
https://www.vizio.com/etc/clientlibs/vizio/clientlibs/2023.css
```

Aisha
Tester for Missing Aspects

Ambiguous Link Text: 'Learn More'
Priority: 7/10 Confidence: 9/10

WCAG Usability

Why is this a bug?
Multiple instances of 'Learn More' exist without sufficient context to determine the destination of each link. This violates WCAG 2.4.4 (Link Purpose (In Context)) and makes the page difficult to navigate for users relying on screen readers or other assistive technologies. These ambiguous links also create poor usability for sighted users.

Suggested Fix
Modify the 'Learn More' link text to accurately reflect the linked content. Examples: 'Learn More about WatchFree+', 'Learn More about Vizio Support'.

Why Fix This?
Improves accessibility for screen reader users and enhances usability for all users by providing clear link destinations.

Route To
Front-end developer

Alejandro
Accessibility Tester

Insufficient Text Contrast in Navigation 'Sign In / Sign Up' Link
Priority: 7/10 Confidence: 7/10

WCAG Text Contrast

Why is this a bug?
The text color of the 'Sign In / Sign Up' link in the main navigation may not provide sufficient contrast against its background, making it difficult to read for users with low vision or color blindness. This violates WCAG 1.4.3 Contrast (Minimum).

Suggested Fix
Adjust the text color or background color of the 'Sign In / Sign Up' link in the main navigation to ensure a contrast ratio of at least 4.5:1 for normal text and 3:1 for large text, as per WCAG guidelines.

Why Fix This?
Improving contrast enhances readability for users with visual impairments, ensuring they can easily access account login/registration functionalities.

Route To
Frontend Engineer

Aisha
Tester for Missing Aspects

Ambiguous Link Text: 'Explore Now'
Priority: 7/10 Confidence: 9/10

WCAG Usability

Why is this a bug?
Multiple instances of 'Explore Now' exist without sufficient context to determine the destination of each link. This violates WCAG 2.4.4 (Link Purpose (In Context)) and makes the page difficult to navigate for users relying on screen readers or other assistive technologies. These ambiguous links also create poor usability for sighted users.

Suggested Fix
Modify the 'Explore Now' link text to accurately reflect the linked content. Examples: 'Explore Quantum Pro TVs', 'Explore Soundbar Collection'.

Why Fix This?
Improves accessibility for screen reader users and enhances usability for all users by providing clear link destinations.

Route To
Front-end developer

Alejandro
Accessibility Tester

Missing Focus Indicator on Navigation Close Button
Priority: 7/10 Confidence: 7/10

WCAG Keyboard Navigation

Focus Indicators

Why is this a bug?
When navigating the site using the keyboard, the close button in the navigation ('a.v20-global-navigation__close') may not have a visible focus indicator. This makes it difficult for keyboard users to identify which element is currently selected, violating WCAG 2.4.7 Focus Visible.

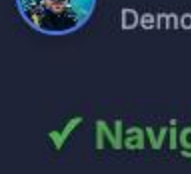
Suggested Fix
Add a clear and visible focus indicator (e.g., a CSS outline or border) to the navigation close button that appears when it is focused via keyboard navigation.

Why Fix This?
Providing a clear focus indicator ensures that keyboard users can easily navigate the site and understand which element they are interacting with.

Route To
Frontend Engineer

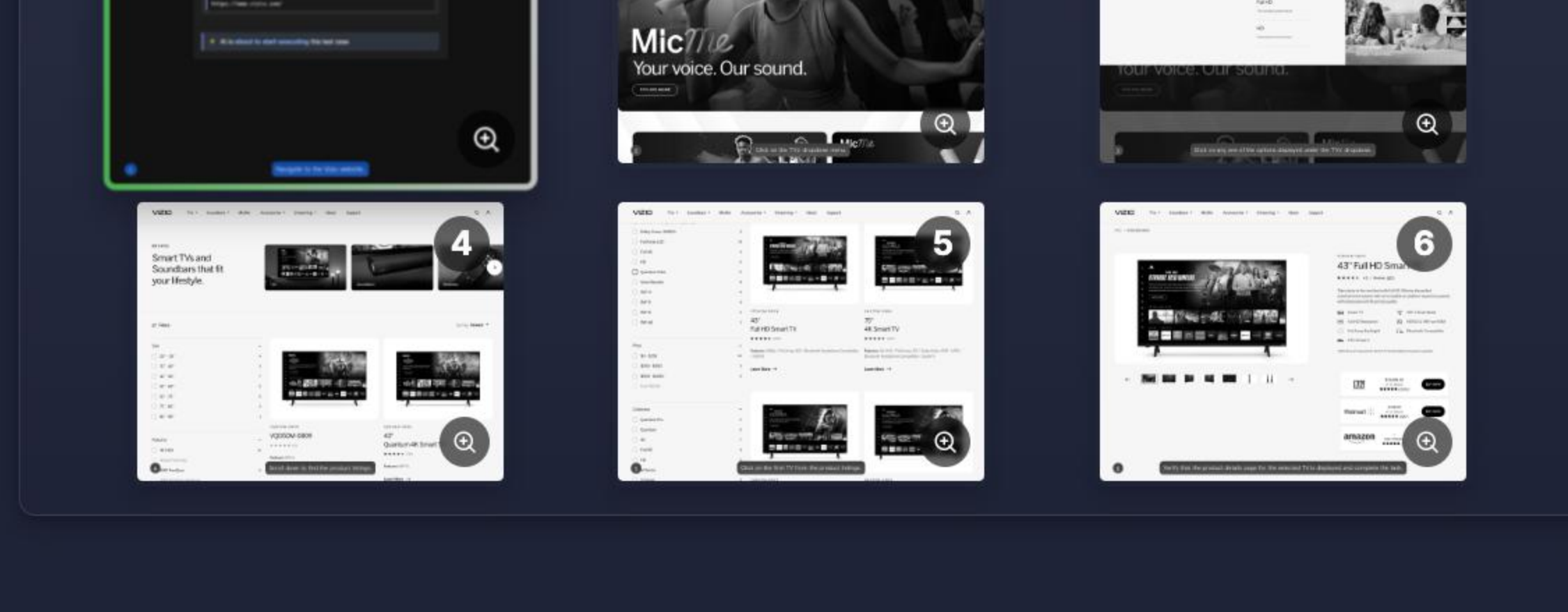
AI Generated Functional Test Results

Start Page: HOME



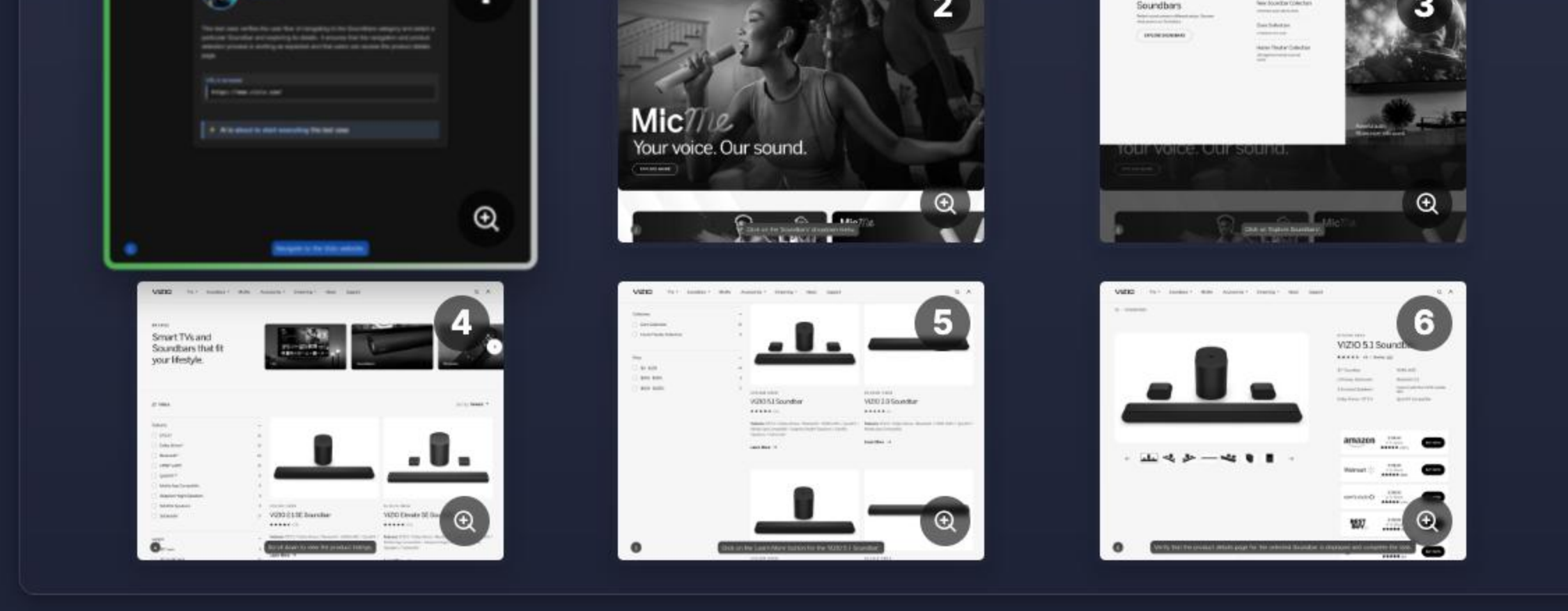
✓ Navigate to TVs, select the first TV and explore details

This test case verifies the user flow of navigating to the TVs category, selecting the first TV displayed, and exploring its details. It ensures that the navigation and product selection process is working as expected and that users can access the product details page.



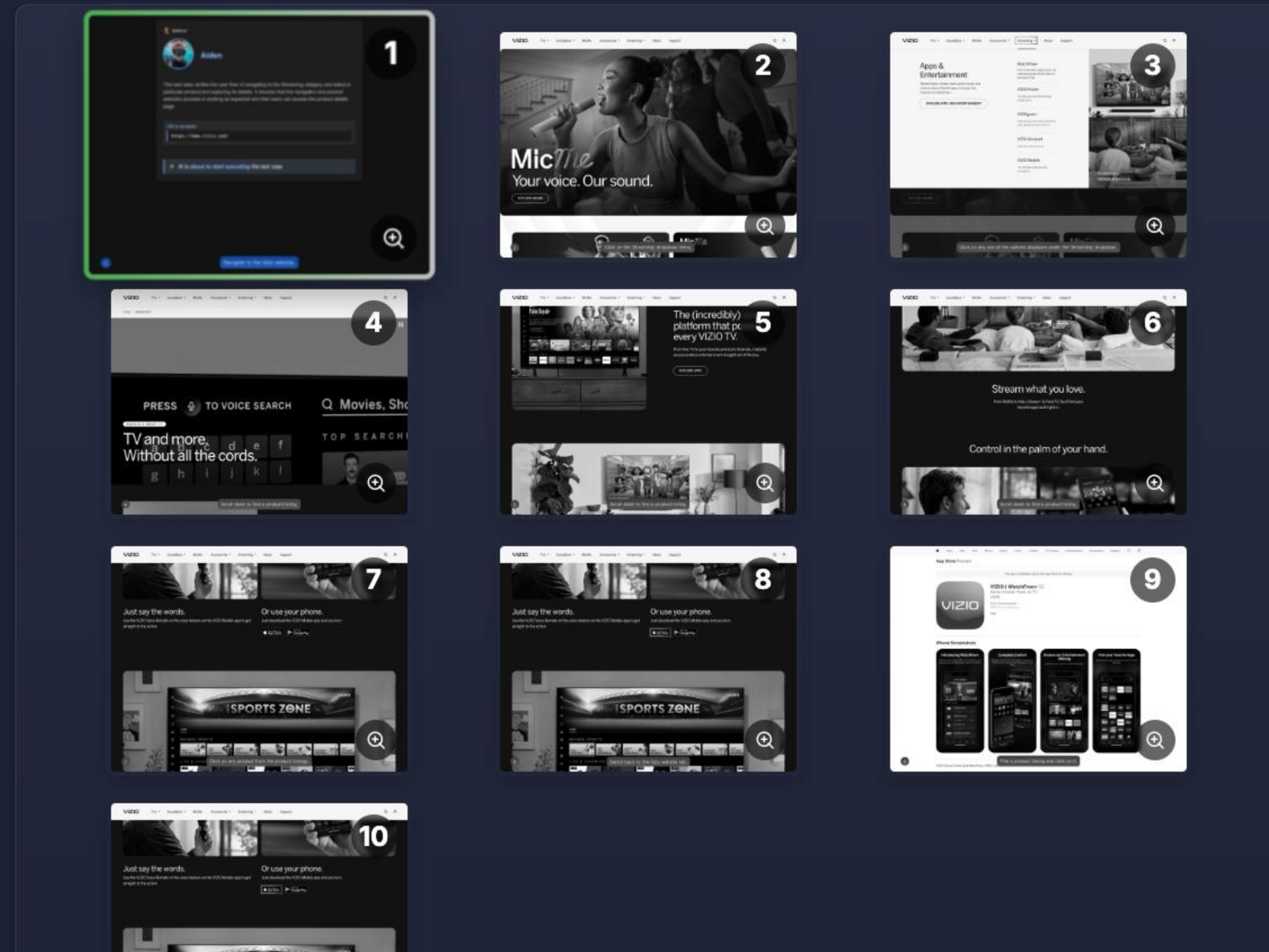
✓ Navigate to Soundbars and select explore details

This test case verifies the user flow of navigating to the Soundbars category and selecting a particular Soundbar and exploring its details. It ensures that the navigation and product selection process is working as expected and that users can access the product details page.

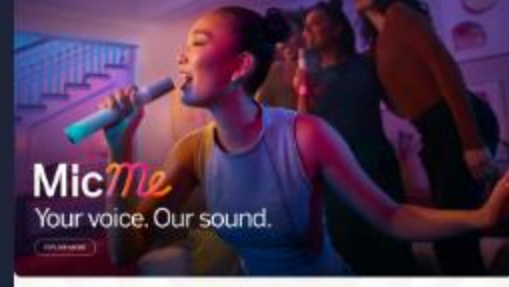


Navigate to Streaming and select explore details

This test case verifies the user flow of navigating to the Streaming category and selecting a particular product and exploring its details. It ensures that the navigation and product selection process is working as expected and that users can access the product details page.



User Persona Feedback Summary



The primary purpose of the VIZIO website is to showcase and sell its range of televisions, soundbars, and accessories, alongside highlighting its streaming service (WatchFree+) and brand history.

Overall Score	Visual Design	Usability	Content Quality
★★★★★	★★★★★	★★★★★	★★★★★
The VIZIO website is generally well-designed and informative, but improvements could be made in accessibility and content depth. User reviews highlight satisfaction with picture quality and ease of setup, but more technical details and direct comparisons with competitors would be beneficial.	The visuals are very appealing and professional. The product images are high-quality and make me want to learn more.	The navigation is intuitive, and the site is responsive on different devices. However, some product pages could benefit from clearer calls to action.	The content is informative, but some sections could be more detailed. Providing more technical specifications and comparisons with competitors would be helpful.

Individual User Persona Feedback

Aisha Khan, 32

Persona:Aisha is a software engineer who enjoys streaming movies and playing video games. She's looking for a new TV with excellent picture quality and smart features.

Overall Rating
★★★★★

I like the design and the product images are great, but I wish there were more technical details and comparisons with other brands.

Actions Performed

- Browse TVs
- Read customer reviews

Suggestions

- Add a comparison tool to directly compare VIZIO products with competitors.
- Include more detailed technical specifications on product pages.

David Lee, 55

Persona:David is a retired accountant who enjoys watching sports and movies. He's looking for a new soundbar to enhance his home theater experience.

Overall Rating
★★★★★

The website is easy to use, but I wish there were more details about the sound quality and compatibility of the soundbars.

Actions Performed

- Browse soundbars
- Find support information

Suggestions

- Include more detailed specifications about sound quality and compatibility.
- Link to independent reviews from reputable sources.

Samantha Jones, 28

Persona:Samantha is a tech enthusiast who enjoys staying up-to-date on the latest gadgets and trends. She's looking for a new TV with cutting-edge features and excellent picture quality.

Overall Rating
★★★★★

As a tech enthusiast, I find this website well-designed and informative. I appreciate the focus on new technologies like Quantum Pro. I would still like to see some independent benchmark data.

Actions Performed

- Explore smart TVs
- Compare different models

Suggestions

- Add links to third-party in-depth reviews on each product page
- Create a page comparing your various TVs and how they stack up against leading competitive brands and models

Print Report