

# AI Test Results from testers.ai



The PepsiCo app's Home page presents a mixed bag. While I lack user panel data to gauge overall satisfaction, the bug reports paint a concerning picture. The prevalence of network-related issues like resource loading failures (404 errors) and DNS resolution failures immediately raise red flags regarding performance and reliability. Furthermore, the numerous accessibility violations—missing alt text, ambiguous link text, navigation menu inaccessibility, and low contrast on the cookie consent banner—seriously degrade the user experience for people with disabilities. Reliance on external CDNs introduces third-party reliability risks and potential GDPR concerns due to tracking.

### Best Aspects

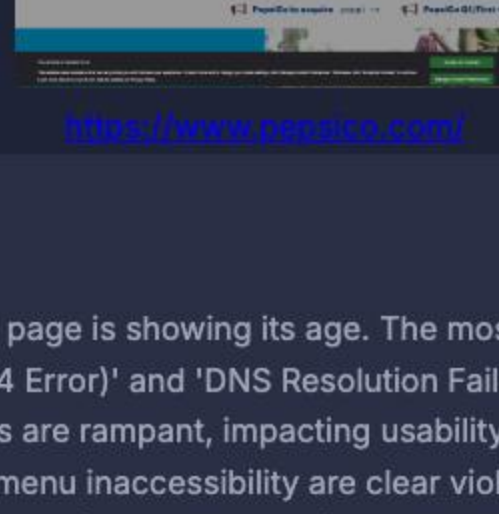
Although there are significant issues, the structure of the page, with defined sections, hints that the underlying content strategy is likely organized.

### Areas for Improvement

The large number of accessibility issues and network-related bugs.

## Quality Summary

### HOME



<https://www.pepsico.com/>

### Detailed Analysis

From a quality perspective, the PepsiCo app's Home page is showing its age. The most pressing concerns revolve around network stability and accessibility. The 'Resource Loading Failure (404 Error)' and 'DNS Resolution Failure' bugs point to fundamental issues that can prevent users from accessing content. Accessibility problems are rampant, impacting usability for a significant portion of the audience. The ambiguous link text, missing alt text, and navigation menu inaccessibility are clear violations of WCAG guidelines. The cookie consent banner's design—overlapping content and low contrast—further detracts from the user experience. The reliance on external Instagram CDNs for content raises both reliability and privacy concerns. The missing Content Security Policy (CSP) header is also a notable security misconfiguration.

### Key Suggestions

- Prioritize network stability by implementing robust error handling and monitoring.
- Perform a comprehensive accessibility audit and address all WCAG violations.
- Implement a Content Security Policy (CSP) to enhance security.
- Reduce reliance on third-party CDNs and host content locally.
- Introduce a search functionality to improve usability.

### Priority Improvements

1. Implement robust error handling and retry mechanisms for network requests to mitigate 404 errors and DNS resolution failures.
2. Conduct a thorough accessibility audit and remediate all WCAG violations, focusing on alt text, link text ambiguity, navigation menu inaccessibility, and cookie consent banner contrast.
3. Implement a Content Security Policy (CSP) header to mitigate cross-site scripting (XSS) vulnerabilities.
4. Replace reliance on external Instagram CDNs with locally hosted content to improve reliability and reduce third-party tracking risks.
5. Add missing search icon/functionality.

## Issues Found by AI Testers



### HOME

**Adeela**  
Mobile Responsive Tester

**Missing Search Icon/Functionality**

Priority: 8/10 Confidence: 9/10

general accessibility

**Why is this a bug?**  
The search icon present in the top right corner of the desktop view is missing in the mobile view. This makes it difficult for users to search for content on the mobile site, impacting usability.

**Suggested Fix**  
Implement the search icon in the mobile view, possibly within the navigation menu or as a persistently visible icon.

**Why Fix This?**  
Users are unable to use the search functionality. The user experience and findability of content are degraded on mobile.

**Route To**  
Front-end developer

**Jason**  
AI Tester

**Resource Loading Failure (404 Error)**

Priority: 7/10 Confidence: 8/10

network content

**Why is this a bug?**  
The server is returning a 404 error, indicating that the requested resource is not found. This directly impacts the user experience as the page may not function as intended.

**Suggested Fix**  
Investigate the file paths for the failing resources. Ensure the resources exist on the server and the paths are correct. If the resources were intentionally removed, update the code to remove the references.

**Why Fix This?**  
Users will experience broken functionality if resources fail to load. This leads to a poor user experience and potential loss of engagement.

**Route To**  
Frontend Engineer, Backend Engineer (if resource is dynamically generated)

**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 absence of a Content Security Policy (CSP) header leaves the website vulnerable to Cross-Site Scripting (XSS) attacks. A CSP header allows the website to define approved sources of content, preventing the browser from loading malicious scripts or other resources. Without it, an attacker could inject malicious code that could steal user data, deface the website, or perform other harmful actions.

**Suggested Fix**  
Implement a Content Security Policy (CSP) header with appropriate directives to restrict the sources from which the browser is allowed to load resources. Start with a restrictive policy and gradually loosen it as needed. Example: 'Content-Security-Policy: default-src 'self'; script-src 'self' 'unsafe-inline' https://player.vimeo.com https://players.brightcove.net; style-src 'self' 'unsafe-inline'; img-src 'self' data: https://scontent-lad3-2.cdninstagram.com;'

**Why Fix This?**  
Mitigates the risk of XSS attacks, which can have severe consequences, including data theft and website defacement.

**Route To**  
Security Engineer/DevOps

**Relevant Network Call**  
<https://www.pepsico.com/>

**Isabella**  
Usability Tester

**Ambiguous Link Text - 'Frito-Lay1-Atoms/Icons/minus/black Copy@3x' etc.**

Priority: 7/10 Confidence: 8/10

WCAG Usability

**Why is this a bug?**  
The link text "Frito-Lay1-Atoms/Icons/minus/black Copy@3x" and similar examples are not descriptive and provide no context about the link's destination or purpose. Screen reader users and users who rely on text-based navigation will find these links confusing and unusable. This violates WCAG 2.4.4 (Link Purpose (In Context)).

**Suggested Fix**  
Update the link text to be descriptive and clearly indicate the destination. For instance, if the link leads to the Frito-Lay website, the link text should simply be "Frito-Lay Website". For icons replace with appropriate alt text.

**Why Fix This?**  
Improves accessibility for screen reader users and overall usability by providing clear and concise link descriptions.

**Route To**  
Front-end Developer

**Adeela**  
Mobile Responsive Tester

**Navigation Menu Inaccessibility**

Priority: 7/10 Confidence: 8/10

general accessibility

**Why is this a bug?**  
While the navigation menu is represented by a hamburger icon in the mobile view, it's unclear if the menu functionality is working as expected. Tapping the icon, from the screenshot alone, gives no indication that the menu is accessible, which degrades usability.

**Suggested Fix**  
Ensure the navigation menu is functional and accessible when the hamburger icon is tapped. Provide visual feedback, such as the menu sliding in, to confirm the action.

**Why Fix This?**  
If the nav menu is not accessible or clear to the user, then key parts of the site are not useable.

**Route To**  
Front-end developer

**Adeela**  
Mobile Responsive Tester

**Cookie Consent Overlap of Content**

Priority: 7/10 Confidence: 8/10

general accessibility

**Why is this a bug?**  
The cookie consent bar, which is present at the bottom of both screenshots, overlaps the bottom of the image on the mobile screenshot. This is likely intentional, but still impacts the viewing experience.

**Suggested Fix**  
Reassess the placement and size of the cookie consent bar, to avoid overlap.

**Why Fix This?**  
Degrades the user experience.

**Route To**  
Front-end developer

## AI Generated Functional Test Results

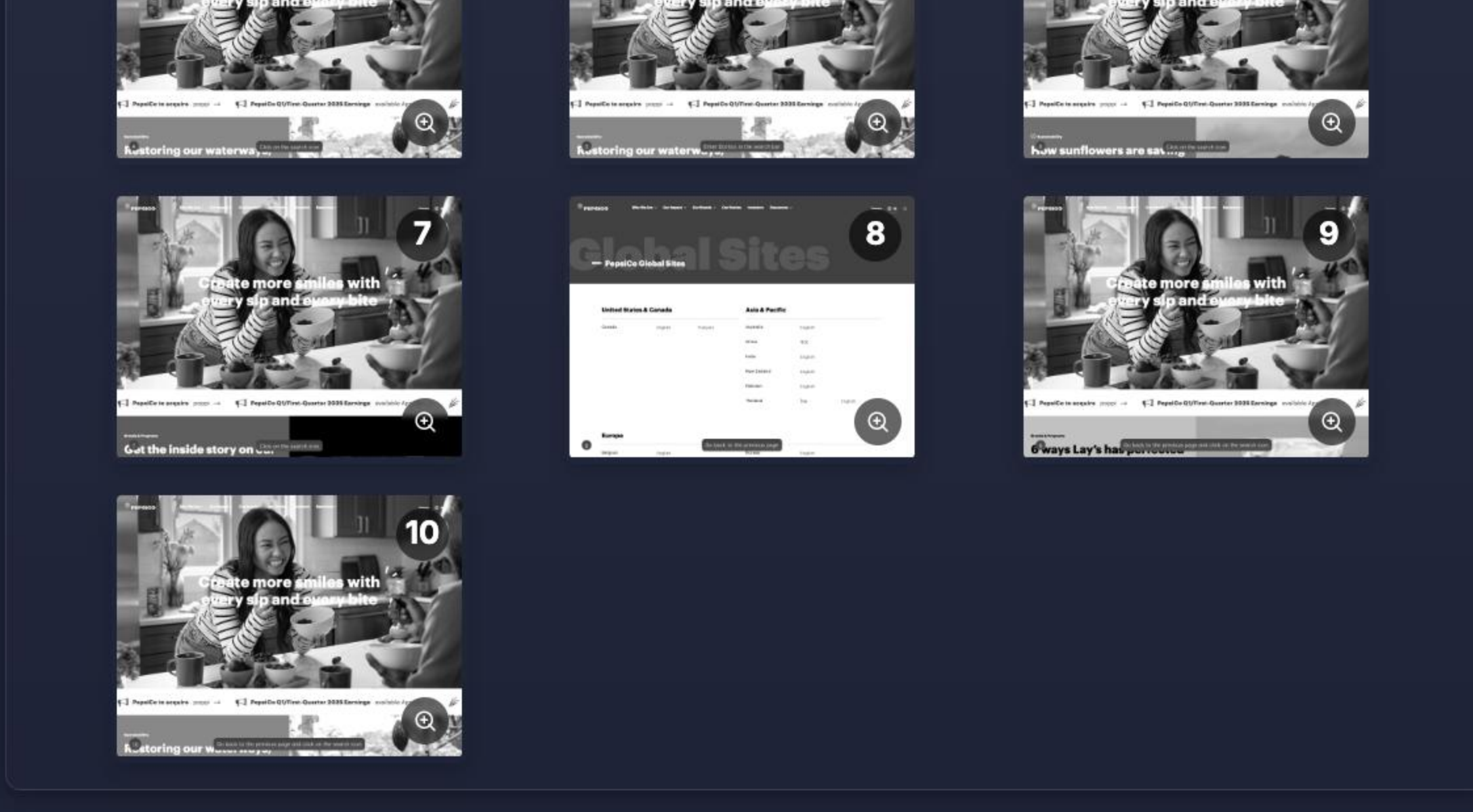
Start Page: HOME



Aiden Demo\_Tests

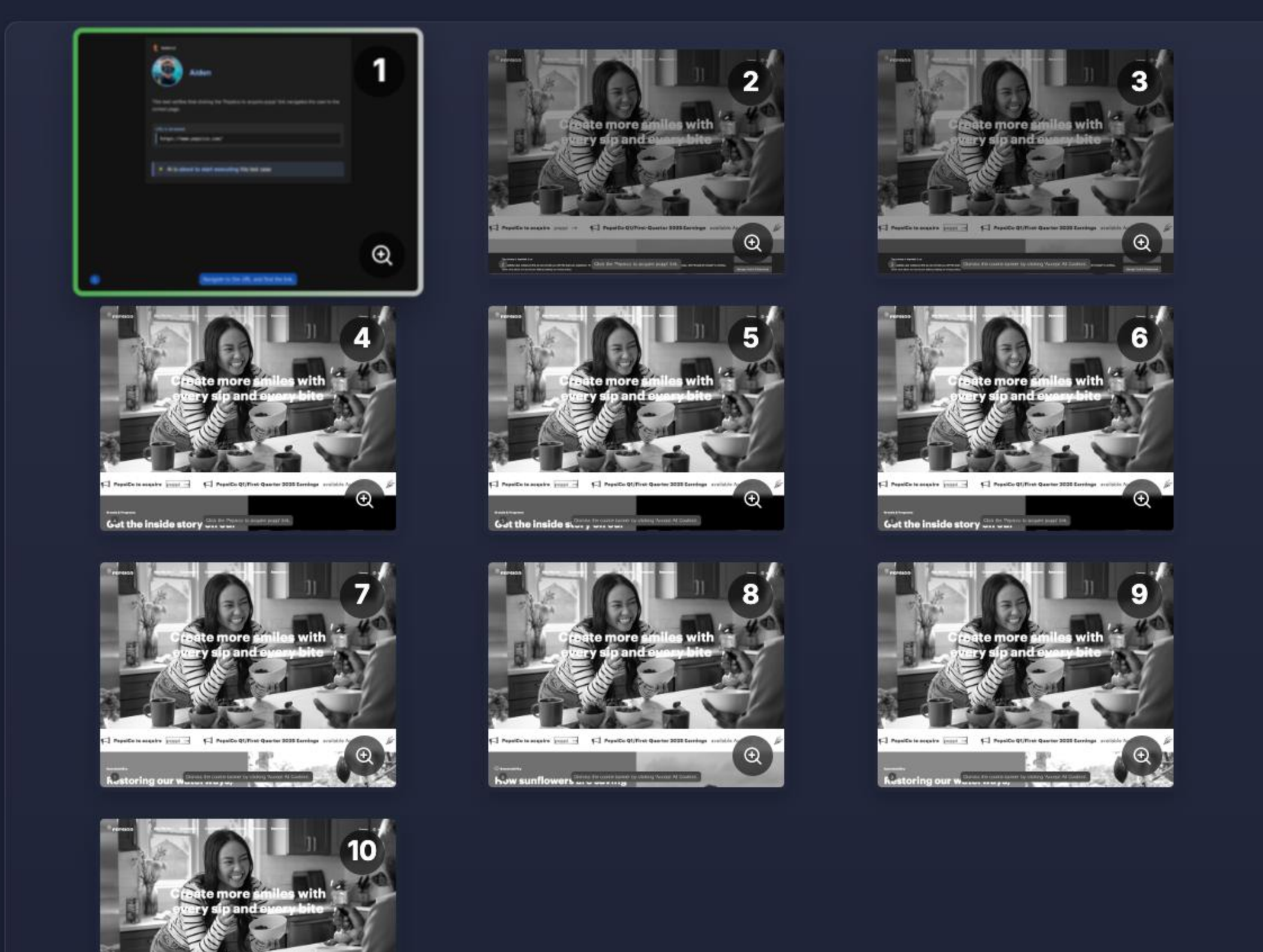
### Search for Doritos

This test case verifies that searching for a specific product, 'Doritos', returns relevant results. It tests the basic functionality of the search feature and its ability to locate known products within the website's inventory.



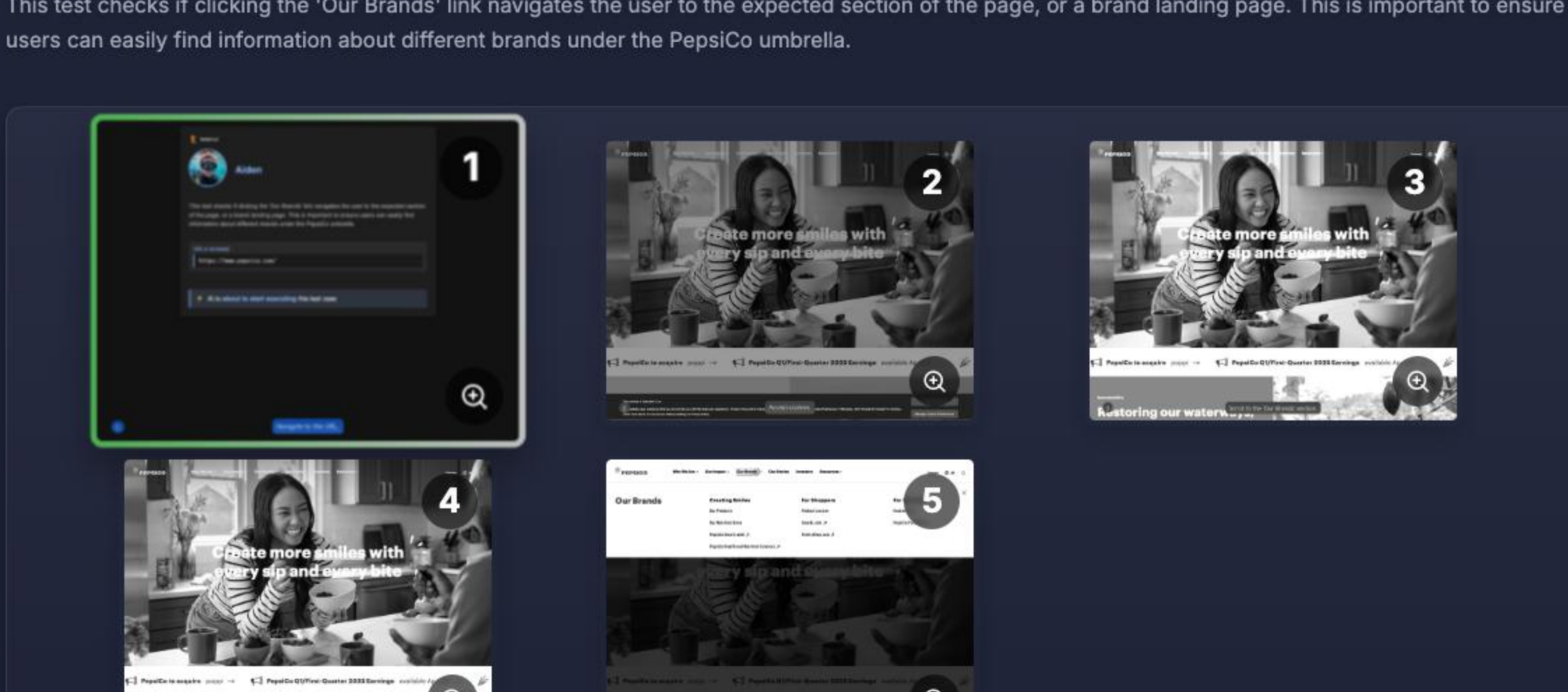
### Verify 'Pepsico to acquire poppi' Link Navigation

This test verifies that clicking the 'Pepsico to acquire poppi' link navigates the user to the correct page.



### Our Brands Link Navigation

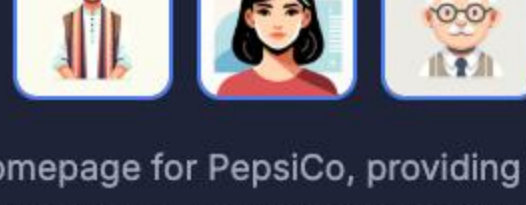
This test checks if clicking the 'Our Brands' link navigates the user to the expected section of the page, or a brand landing page. This is important to ensure users can easily find information about different brands under the PepsiCo umbrella.



## User Persona Feedback Summary



### HOME



The webpage serves as the homepage for PepsiCo, providing information about the company, its brands, impact, and investor relations. It aims to present PepsiCo as a positive and forward-thinking company, highlighting its sustainability efforts and commitment to inclusion.

**Overall Score**

★★★★★

The website effectively showcases PepsiCo's diverse initiatives and brands. The design is visually appealing, but usability could be improved with better navigation and search functionality. The content is relevant but could be more engaging.

**Visual Design**

★★★★★

The visuals are appealing and make me want to explore further.

**Usability**

★★★★★

I found it a bit difficult to find specific information. A more robust search function would be helpful.

**Content Quality**

★★★★★

The content is informative and well-written, but could be more engaging with interactive elements.

### Individual User Persona Feedback

**Raj Patel, 35**

Persona:Raj is a sustainability consultant who advises corporations on their environmental impact. He is passionate about sustainable business practices and seeks to find companies committed to making a positive change.

**Overall Rating**  
★★★★★

*As a sustainability consultant, I'm impressed with PepsiCo's transparency in sharing their ESG data. I appreciate the detailed reports and the focus on water restoration and sustainable farming. I would like to see more quantifiable metrics and long-term goals.*

**Actions Performed**

- Exploring the sustainability section
- Downloading ESG reports

**Suggestions**

- Add interactive data visualizations to showcase ESG performance.
- Provide more details on specific sustainability initiatives.
- Set clear and measurable long-term sustainability goals.

**Emily Chen, 24**

Persona:Emily is a marketing student interning at a social media agency. She is interested in brand storytelling and how companies connect with consumers through digital platforms.

**Overall Rating**  
★★★★★

*I love the 'Our Stories' section; it gives me a glimpse into PepsiCo's brand personality. The Super Bowl commercials are a highlight, but I wish there were more behind-the-scenes content and interactive experiences.*

**Actions Performed**

- Browsing the 'Our Stories' section
- Checking out the Super Bowl commercials

**Suggestions**

- Add behind-the-scenes content for Super Bowl commercials.
- Incorporate interactive quizzes or polls.
- Encourage user-generated content through contests or campaigns.

**Robert Miller, 60**

Persona:Robert is a retired accountant who follows the stock market closely. He is interested in investing in stable, dividend-paying companies with a strong track record.

**Overall Rating**  
★★★★★

*As an investor, I appreciate the readily available financial reports. The investor section is clear, but I'd like a more straightforward way to compare PepsiCo's performance against its competitors.*

**Actions Performed**

- Visiting the 'Investors' section
- Downloading financial reports

**Suggestions**

- Add a competitor comparison tool.
- Include interactive financial tools, such as a dividend calculator.
- Provide more detailed financial analysis and insights.

Print Report