

AI Test Results from testers.ai

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The Google app's HOME page quality is significantly impacted by a combination of accessibility, functionality, and performance issues. The presence of multiple WCAG violations, such as missing labels for the search input field and lack of focus indicators, creates barriers for users with disabilities. Furthermore, the 'Google Search' and 'I'm Feeling Lucky' buttons missing on the mobile interface and the missing Google Account sign-in panel undermine core functionality on mobile devices. The redundant JavaScript requests also suggest opportunities to optimize performance.

Best Aspects

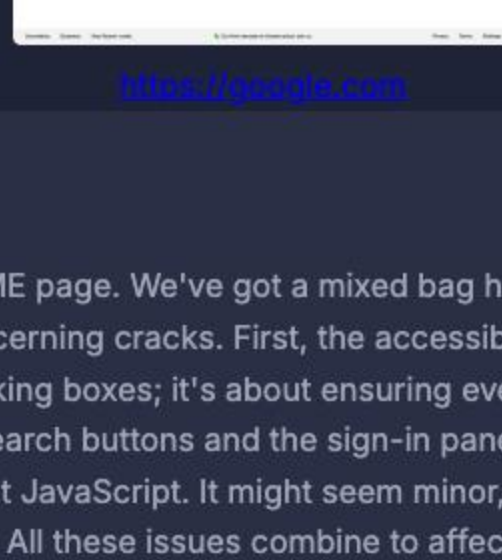
The app likely provides good, fast search results when the functionality is present and accessible.

Areas for Improvement

Accessibility issues (missing labels, focus indicators) and missing core functionality on mobile are dragging down the quality.

Quality Summary

HOME



[View Report](#)

Detailed Analysis

Alright team, let's break down the Google app's HOME page. We've got a mixed bag here. On the one hand, it's Google, and it generally works. But digging into the details reveals some concerning cracks. First, the accessibility. We're seeing multiple WCAG violations: missing labels, poor focus indicators. This isn't just about ticking boxes; it's about ensuring everyone can use the app. Then there are the functionality issues on mobile – core elements like search buttons and the sign-in panel vanishing. That's a significant user experience problem. Finally, the performance blip with redundant JavaScript. It might seem minor, but it adds up and can impact the user experience, especially on lower-end devices or slower networks. All these issues combine to affect the perceived quality, particularly around usability and satisfaction.

Key Suggestions

- Conduct a thorough accessibility audit and address all WCAG violations.
- Ensure consistent core functionality across all platforms (desktop, mobile, etc.).
- Optimize resource loading to reduce redundant requests and improve performance.
- Implement a robust automated testing suite to catch regressions and prevent future issues.

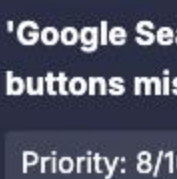
Priority Improvements

- Implement explicit labels for all form input fields (Search Input, etc.)** to comply with WCAG guidelines for accessibility, making the app usable by people with disabilities.
- Restore 'Google Search' and 'I'm Feeling Lucky' buttons, and the Google Account Sign-in Panel on the mobile interface** to ensure consistent core functionality across all platforms.
- Eliminate redundant requests for JavaScript resources** by optimizing resource loading and caching strategies to improve page load times and reduce network usage.
- Add clear and visible focus indicators to all interactive elements (Search Input, Buttons, Links)** to facilitate keyboard navigation for users with motor impairments and enhance overall usability.

Issues Found by AI Testers



HOME



Adeela
Mobile Responsive Tester

'Google Search' and 'I'm Feeling Lucky' buttons missing on Mobile

Priority: 8/10 Confidence: 9/10

functionality

Why is this a bug?

The 'Google Search' and 'I'm Feeling Lucky' buttons visible below the search bar on the desktop version are not present on the mobile version. This removes a direct method for initiating a basic search and utilizes the 'I'm Feeling Lucky' feature.

Suggested Fix

Ensure the Google Search and I'm Feeling Lucky options are present on mobile and do not require the user to press enter to initiate a search. Ensure that the enter key press performs the same action, or the 'Google Search' action. If the enter key is the primary initiator of the search, then change button text to something more useful.

Why Fix This?

Users would expect that the desktop and mobile versions would have the same basic functionality. Even if it is not broken, at least change the button text to something more useful.

Route To

Frontend Engineer

Relevant Network Call

N/A



Adeela
Mobile Responsive Tester

Google Account Sign-in Panel Missing on Mobile

Priority: 8/10 Confidence: 9/10

functionality

Why is this a bug?

The Google account sign-in panel (containing 'Sign in to Google', 'Get the most from Google account', 'Stay signed out', and 'Sign in' button) visible on the desktop version is completely absent on the mobile version. This prevents users from managing their Google account directly from the main search page.

Suggested Fix

Implement a responsive design for the sign-in panel that scales down for mobile or provide an alternative method (e.g., a menu item) to access account settings.

Why Fix This?

Users should be able to manage their Google account settings regardless of the device they are using. Removing this functionality degrades the user experience on mobile.

Route To

Frontend Engineer

Relevant Network Call

N/A



Alejandro
Accessibility Tester

Missing Focus Indicator on Search Input and Buttons

Priority: 7/10 Confidence: 8/10

WCAG Keyboard Navigation

Focus Indicators

Why is this a bug?

When navigating the page using the keyboard (Tab key), the focus indicator for interactive elements like the search input field (APJFqb) and buttons ('Google Search', 'I'm Feeling Lucky') is either missing or insufficient. This makes it difficult for keyboard users to determine which element has focus, violating WCAG 2.4.7 Focus Visible.

Suggested Fix

Implement a clear and visually distinct focus indicator (e.g., a solid border, outline, or background color change) for all interactive elements that receive keyboard focus. The focus indicator should have sufficient contrast with the surrounding elements to be easily visible to users with low vision. The focus indicator should be consistently applied across all interactive elements.

Why Fix This?

Without a clear focus indicator, users who rely on keyboard navigation, including those with motor impairments or low vision, will find it difficult or impossible to effectively use the website. This leads to a poor user experience and non-compliance with WCAG guidelines.

Route To

Front-end Engineer



Sharon
API and Networking Tester

Redundant Requests for JavaScript Resources

Priority: 7/10 Confidence: 8/10

performance network

Why is this a bug?

Multiple requests are observed for the same JavaScript resources (specifically, 'https://www.google.com/xjs/_/js/kxjs.hd.en.js' within a short timeframe. These redundant requests, without proper caching mechanisms in place, suggest an inefficiency in resource handling. The same 'xjs.hd.en.p5jcqZ3Ka5k.es5.0' resource is requested multiple times with slightly different parameters but serves a similar purpose, which can lead to unnecessary network overhead and delay page load.

Suggested Fix

Implement proper caching policies for JavaScript resources, leverage browser caching mechanisms (e.g., 'Cache-Control' headers), and investigate the need for multiple requests to the same base resource. Consider using a bundler or module loader to combine and efficiently load JavaScript resources.

Why Fix This?

Reducing redundant requests will decrease network load, improve page load times, and enhance the overall user experience. It will also reduce server load and bandwidth consumption.

Route To

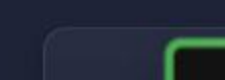
Frontend Engineer, Performance Engineer

Relevant Network Call

https://www.google.com/xjs/_/js/kxjs.hd.en.p5jcqZ3Ka5k.es5.0... (multiple instances with slightly different parameters)

AI Generated Functional Test Results

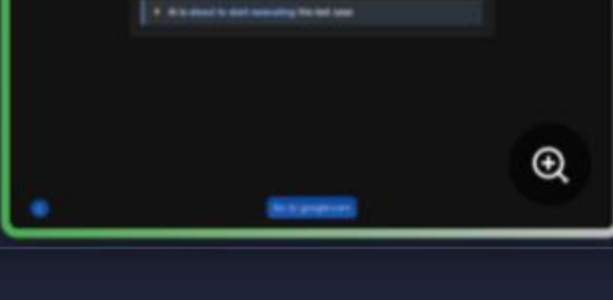
Start Page: HOME



Aiden
Demo_Tests

Click Images link

This test verifies that the 'Images' link navigates the user to the Images search page. This is important for accessing image search functionality.



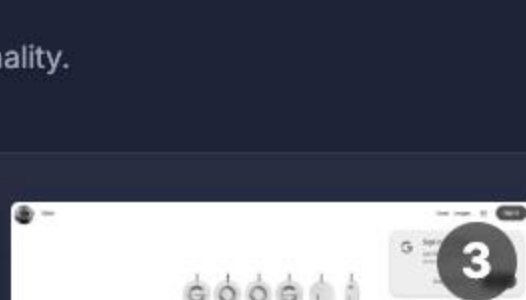
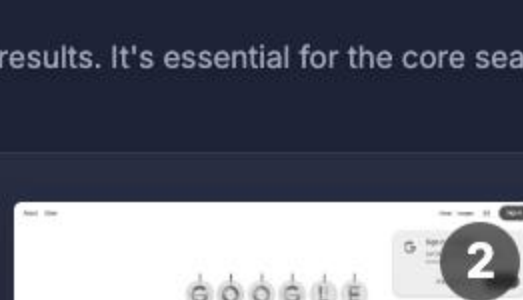
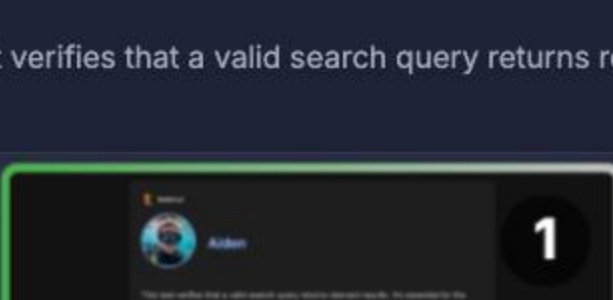
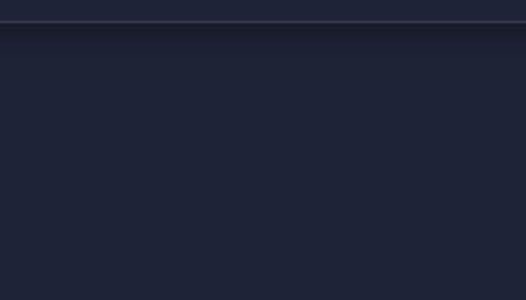
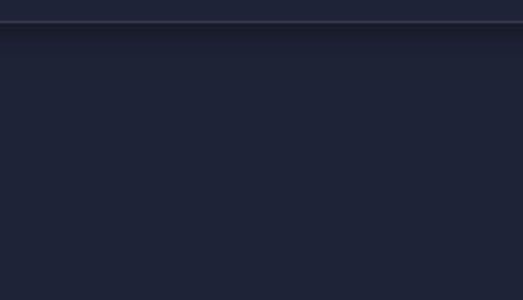
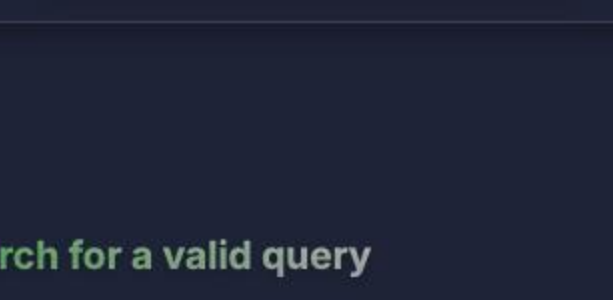
Search for 'Quantum Computing' and click on the 'exploring the future of computing' link.

This test verifies that a user can successfully search for 'Quantum Computing' and that the link displayed on the Google homepage directs the user to the correct 'exploring the future of computing' page. It tests the search functionality and the correct routing of hyperlinks. This ensures that promotional content is displayed correctly and leads to the intended destination.



Search for a valid query

This test verifies that a valid search query returns relevant results. It's essential for the core search functionality.



User Persona Feedback Summary



HOME



The webpage serves as the entry point to Google's search engine and other services, providing a portal for users to access information and various Google applications.

Overall Score

★★★★☆

The homepage provides a simple and effective entry point to the web. It prioritizes ease of use, minimal design, and quick access to search and other Google services. The focus on search functionality and Google branding is well-executed, creating a seamless user experience. There is a consistent focus on promoting social issues, like the environment, which might be seen as positive or negative depending on the user.

Visual Design

★★★★☆

The Google homepage is clean and modern. It's visually appealing in its simplicity, making it easy to focus on the primary function of searching.

Usability

★★★★★

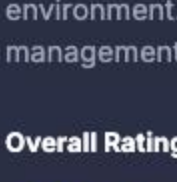
The website is extremely usable. The search bar is prominently displayed, and the navigation is intuitive. It loads quickly and provides a seamless user experience.

Content Quality

★★★★☆

The focus is limited, focusing mainly on search functionality. There are links to other Google services and legal information, but the page is primarily a portal to other content.

Individual User Persona Feedback



Alice Johnson, 35

Persona: Alice is a marketing manager who works in a fast-paced environment. She relies on Google for research, communication, and project management.

Overall Rating

★★★★☆

I appreciate how clean and straightforward the Google homepage is. It helps me quickly find the information I need without any distractions. I appreciate that the design is simple so it doesn't take long to load.

Actions Performed

- Conducting research for marketing campaigns
- Checking Gmail and Google Calendar

Suggestions

- Add shortcuts to frequently used Google services.
- Include a small widget showing upcoming calendar events.



Raj Patel, 28

Persona: Raj is a software developer who relies on the internet for coding resources, documentation, and community engagement.

Overall Rating

★★★★☆

As a developer, I appreciate the simplicity of the Google homepage. It's fast and gets straight to the point. Although I primarily use it to search for coding-related resources, I also use it to access Google Cloud services. I appreciate the quickness of the web-site and how the design loads.

Actions Performed

- Searching for coding solutions and documentation
- Accessing Google Cloud services

Suggestions

- Add a developer-focused theme or layout.
- Incorporate a section for trending tech news.

[Print Report](#)