

AI Test Results from testers.ai



The Costco app's HOME page exhibits a number of quality concerns. Network resolution failures and data collection errors point to potential backend instability. The presence of numerous accessibility bugs, like low contrast on the 'Skip to Main Content' link and missing labels for interactive elements, significantly impacts usability for individuals with disabilities. Furthermore, issues like 'Transcend Consent Management Failure' and 'Potential Third-Party Tracking via mPulse' raise serious questions about user privacy and GDPR compliance. While there's no user panel feedback included, the sheer volume and severity of the bugs identified suggest a need for immediate attention to fundamental quality aspects.

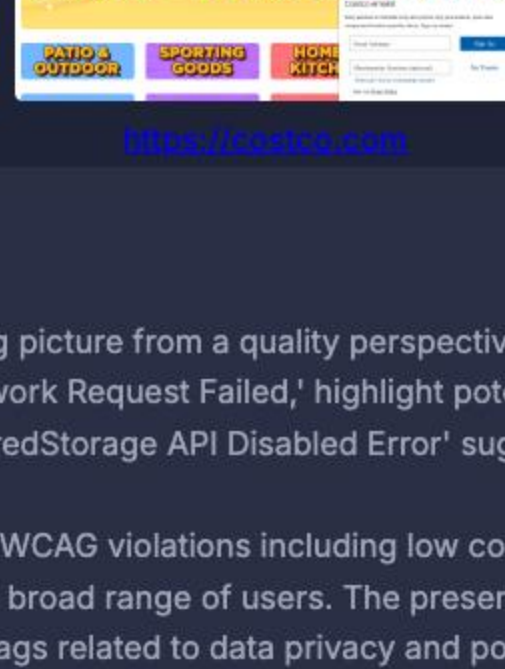
Best Aspects

While not explicitly stated in the limited data, the presence of a 'Skip to Main Content' link "attempts" to address accessibility, indicating some awareness of inclusive design principles (even if the implementation is flawed).

Areas for Improvement

The app suffers from significant accessibility issues, network instability, and potential GDPR violations, all on the landing page.

Quality Summary



Detailed Analysis

The Costco app's HOME page presents a concerning picture from a quality perspective. Several network-related issues, such as 'Network Resolution Failures' and 'Data Collection Error - Network Request Failed', highlight potential performance and stability problems. The presence of 'SharedStorage Worklet Error' and 'SharedStorage API Disabled Error' suggest issues with browser API integration and potentially GDPR compliance.

Accessibility is a significant pain point, with multiple WCAG violations including low contrast, missing labels, and unclear link purposes. These issues directly impact the app's usability for a broad range of users. The presence of 'Transcend Consent Management Failure' and 'Potential Third-Party Tracking via mPulse' are red flags related to data privacy and potentially violate GDPR regulations.

Beyond these critical issues, there are several cosmetic and functional bugs like 'Outdated Copyright Year', 'Promotional Ribbon Cut Off', and 'Missing Main Navigation Links' that contribute to a sense of overall lack of polish. The absence of user panel feedback makes it difficult to gauge the real-world impact of these issues, but the bug count alone warrants a comprehensive review and remediation effort.

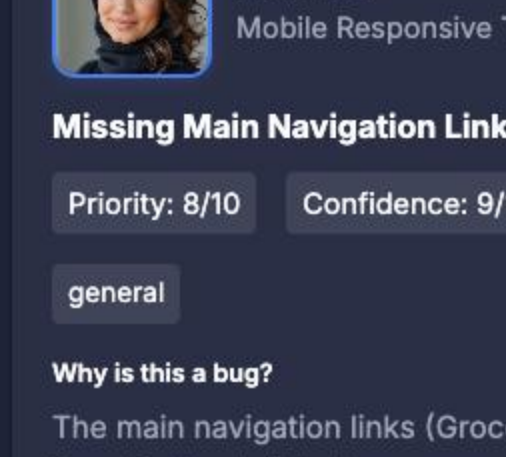
Key Suggestions

- Conduct a thorough accessibility audit of the entire app.
- Implement robust error handling and logging for network requests.
- Review and update third-party tracking policies to ensure GDPR compliance.
- Improve performance by optimizing network requests and resource loading.
- Establish a comprehensive quality assurance process that includes accessibility testing and privacy reviews.

Priority Improvements

1. Resolve all network resolution failures (net::ERR_NAME_NOT_RESOLVED) to improve performance and stability.
2. Implement proper labels and sufficient contrast for all interactive elements and text to address WCAG accessibility violations.
3. Fix Transcend Consent Management and address potential third-party tracking issues to ensure GDPR compliance.
4. Restore missing main navigation links to improve content discoverability.
5. Correct rendering issues with the subscription pop-up and promotional ribbon to enhance the user experience.

Issues Found by AI Testers



HOME

Adeela
Mobile Responsive Tester

Missing Main Navigation Links

Priority: 8/10 Confidence: 9/10

general

Why is this a bug?
The main navigation links (Grocery, Same Day, Deals, etc.) that are present in the desktop view are missing from the mobile view. This significantly hinders navigation and access to key categories of products.

Suggested Fix
Ensure the main navigation links are accessible in the mobile view, either within the 'Shop' menu or through another mobile-friendly navigation pattern. Consider using a hamburger menu to contain these links, or a horizontal scrollable bar.

Why Fix This?
Missing navigation links degrade user experience and make it harder to find desired products/services.

Route To
Frontend Engineer

Relevant Network Call
None

Jason
AI Tester

Network Resolution Failures

Priority: 7/10 Confidence: 8/10

performance network

Why is this a bug?
Multiple 'net::ERR_NAME_NOT_RESOLVED' errors indicate that the application is unable to resolve the hostnames of various resources. This can lead to broken functionality, slow loading times, and a degraded user experience. The fact that multiple resources are failing suggests a widespread issue, potentially related to DNS configuration or network connectivity problems.

Suggested Fix
Investigate DNS configuration and ensure all required resources are accessible from the application's environment. Verify that URLs are correctly formed and that there are no typos or other errors in the resource paths. Check server availability and uptime.

Why Fix This?
Fixing this prevents broken functionality and improves page load times. Resolving network issues is critical for a positive user experience.

Route To
DevOps/Network Engineer

Pete
Privacy and Security Tester

Transcend Consent Management Failure

Priority: 7/10 Confidence: 8/10

GDPR User Consent Management Third-Party Tracking

Why is this a bug?
The console log 'sendEvent_view_error TypeError: [array] [DataCollector] An error occurred while executing the sendEvent command.\nCaused by: Failed to fetch' indicates a failure in the Transcend consent management platform. This suggests that user consent preferences might not be correctly transmitted, leading to potential unauthorized data collection and processing. Transcend is a Consent Management Platform, and if that fails, GDPR consent requirements are immediately in question.

Suggested Fix
Investigate the root cause of the Transcend network request failure. Ensure that the consent management platform is correctly configured and integrated with all data collection services. Implement robust error handling and logging to identify and address consent-related issues promptly.

Why Fix This?
Failure to properly manage user consent can lead to GDPR violations, fines, and reputational damage.

Route To
Privacy Engineer, Frontend Engineer, Backend Engineer

Relevant Network Call
`https://transcend-cdn.com/ce/448b3128-967c-499a-bc56-f8dac33c8f5c/a1rgrp.js`

Isabella
Usability Tester

Low Contrast on 'Skip to Main Content' Link

Priority: 7/10 Confidence: 8/10

WCAG accessibility color contrast

Why is this a bug?
The contrast between the text color and background color for the 'Skip to Main Content' link is insufficient, making it difficult to read for users with visual impairments. This violates WCAG 2.0 AA contrast requirements. While subtle on initial viewing, the slight gray-on-white is insufficient.

Suggested Fix
Increase the contrast ratio of the 'Skip to Main Content' link to meet WCAG 2.0 AA standards (at least 4.5:1 for normal text). Change the text color to a darker shade or modify the background color.

Why Fix This?
Ensuring sufficient color contrast improves readability and accessibility for users with visual impairments, allowing them to easily navigate the page.

Route To
Front-end developer

Aisha
Tester for Missing Aspects

Missing Alternative Text for Logo Link

Priority: 7/10 Confidence: 9/10

WCAG Accessibility

Why is this a bug?
The logo link ('tag_name': 'a', 'href': '/', 'class': 'MuiTypography-root MuiTypography-inherit MuiLink-root MuiLink-underlineNone mui-hw008') is missing descriptive alternative text or an aria-label. This makes it difficult for screen reader users to understand the link's purpose, which is usually to navigate back to the homepage.

Suggested Fix
Add an aria-label or alternative text to the logo link that clearly indicates it navigates to the homepage (e.g., 'aria-label="Costco Homepage"').

Why Fix This?
Improves accessibility for screen reader users, allowing them to easily navigate back to the homepage.

Route To
Frontend Engineer

AI Generated Functional Test Results

Start Page: HOME



Search for item, view product details, increase quantity, add to cart

This test searches for an item, navigates to the product details page, increases the quantity, and adds the item to the cart. This verifies the product detail and add to cart with quantity update flows.



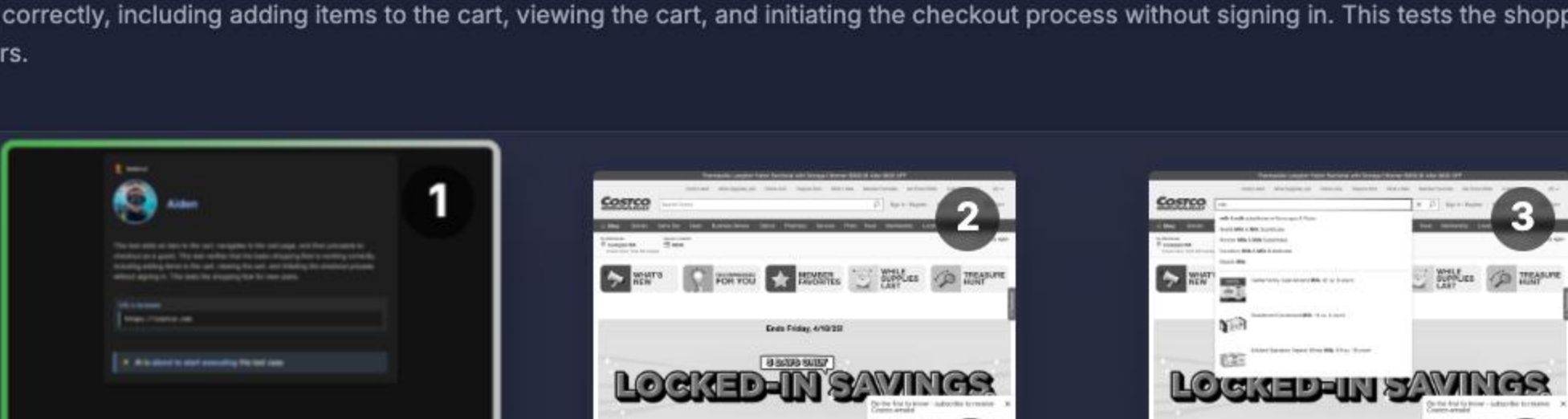
✓ Navigate to pharmacy, schedule appointment, and cancel

This test navigates to the pharmacy section, attempts to schedule an appointment, and then cancels the appointment. This verifies the appointment scheduling and cancellation flow.

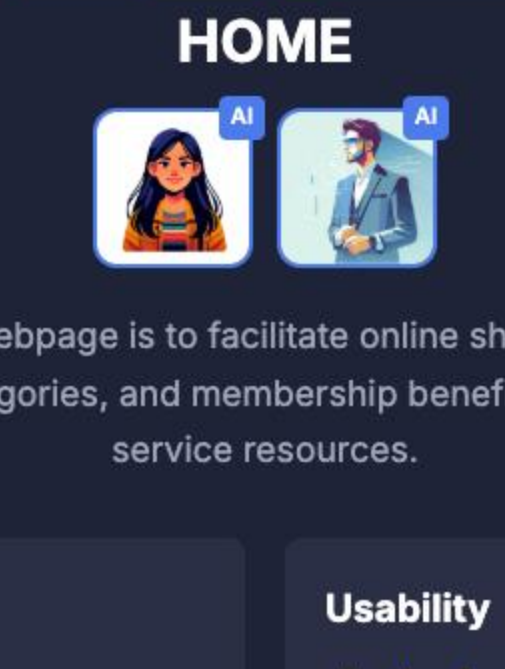


Add item to cart, view cart, then checkout as guest

This test adds an item to the cart, navigates to the cart page, and then proceeds to checkout as a guest. This test verifies that the basic shopping flow is working correctly, including adding items to the cart, viewing the cart, and initiating the checkout process without signing in. This tests the shopping flow for new users.



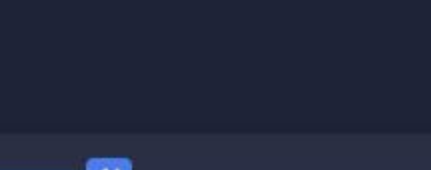
User Persona Feedback Summary



HOME

The main purpose of the webpage is to facilitate online shopping for Costco members, highlighting deals, product categories, and membership benefits, while also providing customer service resources.

Overall Score



The Costco website provides a wide range of products and services, but the design feels somewhat dated and cluttered. The search functionality is good, but the overall experience could be more streamlined and personalized.

Visual Design



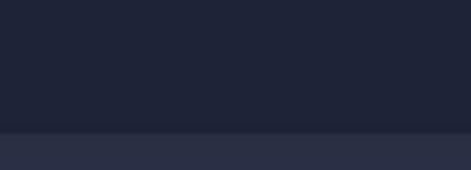
Visually, it's functional, but not particularly inspiring. It gets the job done, but it's not a beautiful or modern website.

Usability



Navigating the site is generally easy, but the sheer volume of products and content can be a bit daunting. The search function is helpful, but could be more prominent.

Content Quality



The content is comprehensive, providing detailed product descriptions, customer reviews, and information about membership benefits. The deals and promotions are prominently displayed.

Individual User Persona Feedback

Maria Rodriguez, 35

Persona: Maria is a busy mom of two who works full-time as a teacher. She's always looking for ways to save money and time. She likes to cook and spend time with her family on the weekends.

Overall Rating
★★★★☆

I'm looking for good deals on groceries and things for my house. I like that Costco has a lot of options, but it can be a little overwhelming to find what I need.

Actions Performed

- Browse deals on groceries
- Search for a specific product

Suggestions

- Show me products I usually buy right away

Raj Patel, 45

Persona: Raj is a tech-savvy entrepreneur who runs a small business. He's always looking for the best deals on electronics and office supplies. He enjoys staying up-to-date on the latest technology trends.

Overall Rating
★★★★☆

As a tech enthusiast and business owner, I expect a seamless, efficient experience. This website is functional, but it doesn't leverage technology to personalize or optimize my experience.

Actions Performed

- Browse electronics deals
- Research a specific product

Suggestions

- Implement a personalized recommendation engine
- Improve the search functionality with intelligent suggestions
- Offer seamless integration with business accounts

Print Report