

E-commerce Website Testing

Documentation

Project Overview

This document provides a comprehensive overview of the test cases designed for the E-commerce website. The goal of these tests is to ensure the website functions correctly, handles API integrations efficiently, and provides a seamless user experience across different devices.

Test Cases

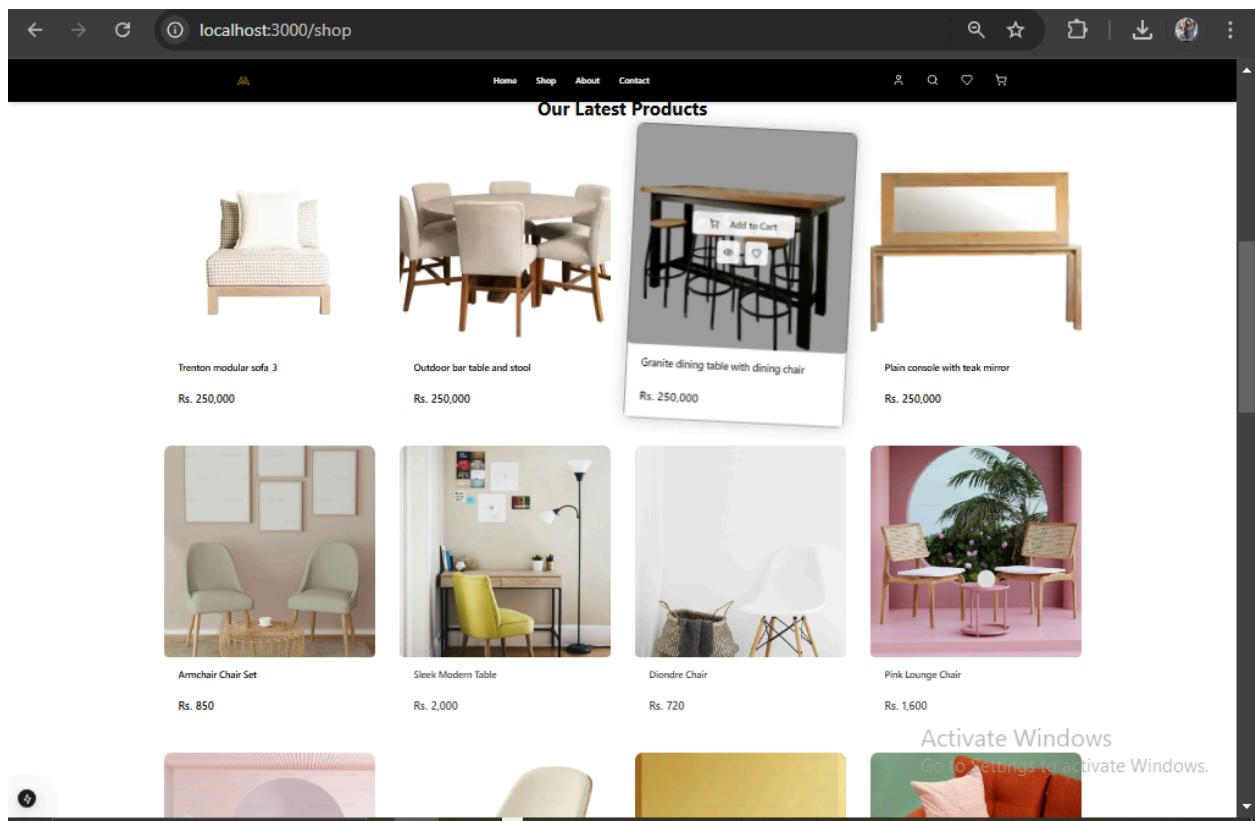
The following table lists the key test cases conducted for the application:

Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Remarks
TC001	Validate product listing	Open product page > verify products	Products displayed	Products displayed	Passed	No issues found
TC002	Test API error handling	Discount API > Refresh page	Show fallback message	Fallback message shown	Passed	Handled gracefully
TC003	Check cart functionality	Add item to cart > verify cart	Cart updates correctly	Cart updates correctly	Passed	Works as expected
TC004	Test responsiveness layout	Resize window layout > browser check	Layout adjusts properly	Layout adjusts properly	Passed	Responsive verified

Test Execution Details

1. Validate Product Listing

- **Objective:** Ensure that all products are displayed correctly on the product page.
- **Steps:**
 1. Open the product page.
 2. Verify the list of products.
- **Result:** Products are displayed without missing data or layout issues.
- **Status:** Passed



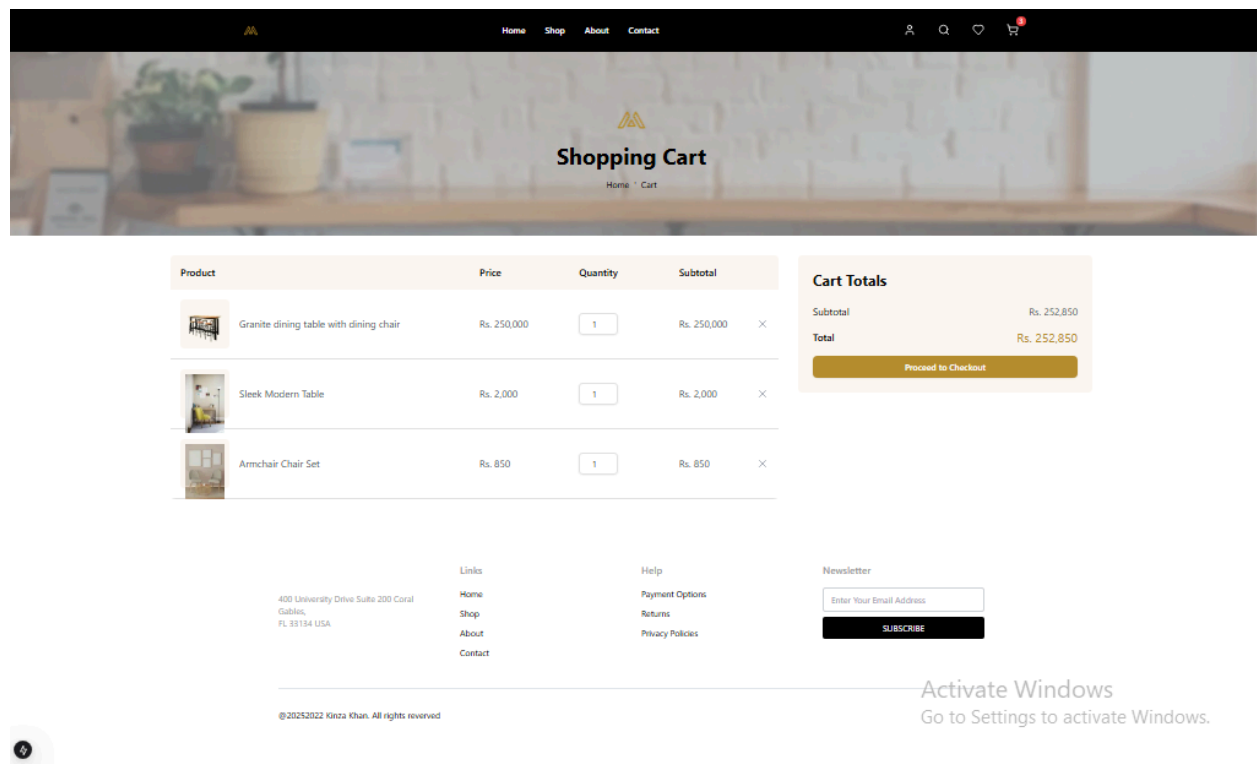
2. Test API Error Handling

- **Objective:** Verify that the application handles API errors gracefully.

- **Steps:**
 1. Trigger an error in the Discount API (e.g., disconnect network or simulate API failure).
 2. Refresh the page.
- **Result:** A fallback message is shown, ensuring the user is informed.
- **Status:** Passed

3. Check Cart Functionality

- **Objective:** Ensure that adding items to the cart works correctly.
- **Steps:**
 1. Add an item to the cart.
 2. Verify the cart updates accurately.
- **Result:** The cart reflects the correct item count and details.
- **Status:** Passed



4. Test Responsive Layout

- **Objective:** Confirm the website's layout adjusts properly on various screen sizes.
- **Steps:**
 1. Resize the browser window or test on different devices.
 2. Check layout adjustments.

- **Result:** The website remains user-friendly and visually consistent.
- **Status:** Passed

Responsive Design Testing



Rocket single seater

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Responsive design testing ensures that the website provides an optimal viewing experience across a wide range of devices, including desktops, tablets, and mobile phones.

Key Areas Tested:

- **Layout Flexibility:** The website's layout adjusts seamlessly to different screen sizes.
- **Navigation:** Menus and interactive elements are easy to use on both desktop and mobile devices.
- **Image Scaling:** Images resize appropriately without losing quality.
- **Touch Compatibility:** Buttons and interactive elements respond correctly to touch gestures on mobile devices.

SEO Testing

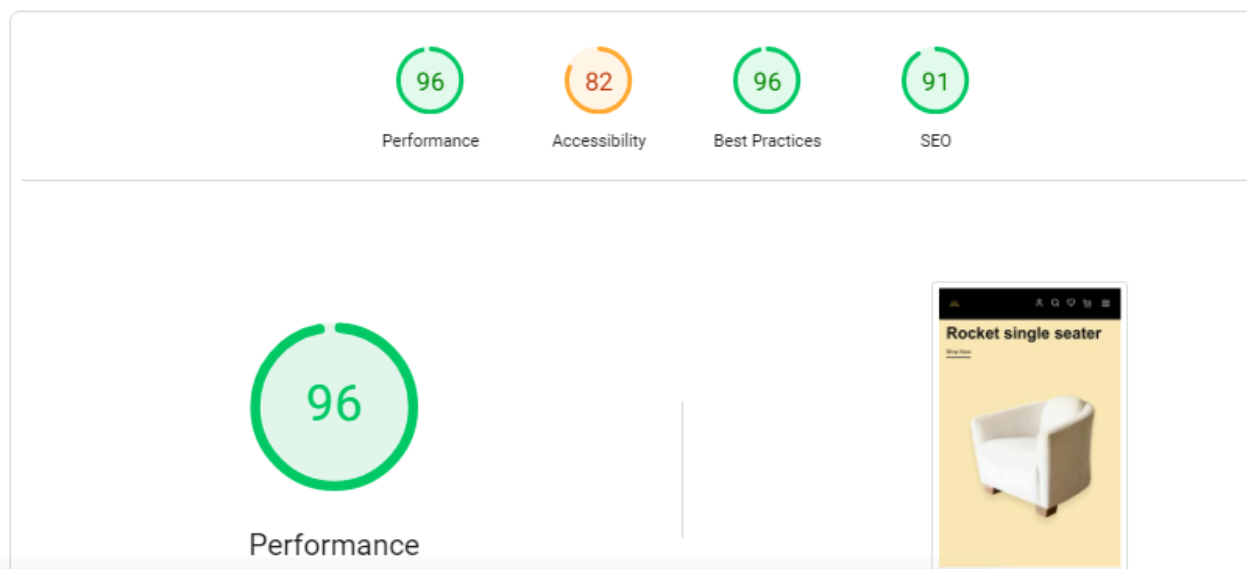
SEO (Search Engine Optimization) testing helps ensure the website is easily discoverable by search engines, improving visibility and search rankings.

Key Areas Tested:

- **Meta Tags:** Verified the presence of title tags, meta descriptions, and relevant keywords.
- **URL Structure:** Checked for clean, SEO-friendly URLs.
- **Mobile-Friendliness:** Confirmed the website is mobile-optimized, as it affects search rankings.
- **Page Speed:** Tested loading times to ensure fast performance, which is crucial for SEO.
- **Alt Text:** Verified that all images have descriptive alt text for better accessibility and SEO



Diagnose performance issues



Conclusion

This document provides a structured approach to testing the E-commerce website, ensuring its functionality, responsiveness, and SEO optimization. The successful execution of test cases confirms the website's reliability and readiness for deployment. Continuous testing and monitoring are recommended to maintain performance and address any future issues effectively.