

Smoke Test:

1. Check homepage loads properly – Ensure the homepage loads correctly without errors. (Automate)
2. Check the trademe logo navigation – The logo should navigate to the homepage or refresh it. (Automate)
3. Check hyperlinks in header/footer – Verify all hyperlinks are working correctly. (Automate)

Sanity Test:

1. Check all hyperlinks on the homepage – Ensure the links are functional and match requirements (e.g., open in a new/current tab). (Automate)
2. Check the font types, sizes, and colours – Verify UI design elements are consistent with requirements. (Manual)
3. Check the login modal – Clicking login should show the correct modal. (Automate)

Functional Test:

1. Check Browse dropdown – Verify it opens and displays the correct marketplace list. (Automate)
2. Check page links in the marketplace dropdown – Ensure they load the correct page in a new tab. (Automate)
3. Check carousel functionality – Cards should be highlighted on hover. (Manual)
4. Clicking carousel cards should take the user to the related listing – Verify this behaviour. (Automate)
5. Check auto-suggest search bar – Ensure it functions as expected. (Manual)
6. Ensure all categories appear in search suggestions – Check if all categories are displayed. (Manual)
7. Check search result consistency with DB – Ensure search results match with DB data. (Auto + Manual)

Regression Test:

1. Ensure carousel works as expected – Verify 4 cards are displayed, swiping behaviour is correct, and "See 16 more listings" appears as required (only required when there are more than 16 listings". (Automate or Manual)
2. Ensure add-to-favourites works – Ensure this works differently based on the user's login status. (Automate or Manual)
3. Check auto-suggest box z-index – Ensure the auto-suggest box is not overlapped by background content. (Manual)

4. Ensure auto-suggest links open related results – When a user clicks on a suggestion, it should load the correct result page. (Automate)

UI/UX Test:

1. Check mobile responsiveness – Ensure the homepage is properly responsive across devices. (Manual)
2. Check visual hierarchy – Ensure the homepage follows a clear and logical visual hierarchy (e.g., important elements like the search bar are prominently visible). (Manual)

Integration Test:

1. Query DB to validate carousel card count – Validate the count of carousel cards with the database. (Manual)

Performance Test:

1. Check homepage load time – Ensure the homepage loads within an acceptable time frame (e.g., <3 seconds). (Automate)
2. Check carousel performance with increasing card count – Verify that performance doesn't degrade as the number of cards increases. (Manual)
3. Verify mobile page load speed – Ensure the page loads efficiently on mobile. (Automate)

Security Test:

1. Check input sanitization for the search bar – Ensure user input in the search bar is sanitized to prevent security risks. (Automate)
2. Test session expiration after login – Ensure the user session expires after a set period of inactivity. (Automate)

Usability Test:

1. Check language and text consistency – Ensure there are no spelling or grammatical errors across all text content. (Manual)

Cross-Browser Test:

1. Test homepage in multiple browsers – Ensure the homepage renders and functions correctly in Chrome, Firefox, Edge, and Safari. (Manual)
2. Check search functionality in different browsers – Ensure search auto-suggest, results, and overall behaviour work across browsers. (Automate)

Edge Case Test:

1. Verify behaviour with no results in search – Ensure an appropriate message is shown when no results are found. (Automate)
2. Test with large input in search bar – Ensure the system handles large search queries (e.g., 255+ characters) properly. (Manual)

Accessibility Test:

1. Check keyboard navigation – Ensure users can navigate through all interactive elements (links, buttons, etc.) using the Tab key. (Manual)
2. Check focus indicators – Verify that focus indicators (e.g., outlines, highlights) are visible when navigating through the page with the keyboard. (Manual)
3. Verify screen reader support – Ensure all elements are properly labeled and readable by screen readers (e.g., alt text for images, proper heading structure). (Manual)
4. Check colour contrast – Ensure text colour contrasts sufficiently with the background for readability, meeting WCAG AA or AAA standards. (Manual)
5. Verify the use of Accessible Rich Internet Applications (ARIA) roles – Ensure appropriate ARIA roles are used (e.g., for forms, buttons, navigation) to enhance accessibility. (Manual)
6. Check for alternative text (alt-text) – Ensure all non-decorative images have descriptive alt text, and decorative images have an appropriate role (e.g., "presentation"). (Manual)
7. Check form accessibility – Ensure form elements are labelled correctly, and the label is associated with the input using the "for" attribute. (Manual)
8. Verify compatibility with screen readers (JAWS, NVDA, etc.) – Ensure the homepage is fully navigable with popular screen readers and all interactive elements are accessible. (Manual)
9. Test dark mode accessibility – Ensure text remains legible and UI elements are distinguishable when dark mode is activated. (Manual)
10. Verify that skip links are present – Ensure that skip navigation links (e.g., "Skip to content") are available and functional, allowing users to bypass repetitive content. (Manual)
11. Ensure proper use of headings – Verify that the page has a clear, logical heading structure (H1, H2, etc.), and headings are used to structure the content. (Manual)
12. Test contrast of buttons and clickable elements – Ensure buttons and other clickable elements meet the required contrast ratio for visibility. (Manual)