

Checklist for Testing Web Page Functionality



Boundary values

- ☐ Minimal value/length
- ☐ Minimal value/length - 1
- ☐ Maximum value/length
- ☐ Maximum value/length + 1

Text fields (all formats)

- ☐ Non-ASCII characters (could be Swedish characters, Russian characters)
- ☐ Copy/paste
- ☐ Drag/drop
- ☐ Leading/trailing space
- ☐ Line break
- ☐ Tabs
- ☐ NULL value
- ☐ Blank or empty
- ☐ HTML-tags
- ☐ Special characters (such as < ! # \$ | %)
- ☐ Mandatory fields
- ☐ Minimum and maximum length

Numerical fields

- ☐ Non-ASCII
- ☐ Non-numerics
- ☐ NULL value
- ☐ Blank or empty
- ☐ Negative numbers
- ☐ Zero (0)
- ☐ Decimal numbers in integer fields
- ☐ Overflow: Numbers that are bigger than the data type used
- ☐ Different numerical formats (metric, Pound etc)
- ☐ Numerical separators (ex. 1000 vs 1.000 vs 1,000 vs 1 000)
- ☐ Division by zero

Date & Time

- ☐ Date/time in the future
- ☐ Date/time in the past
- ☐ Invalid dates/time (such as day 32, month 13, hour 25, minute 61, second 61)
- ☐ Bank holidays, weekends and regular weekdays
- ☐ Leap year/Leap day
- ☐ Summer and winter solstice (26: e mars kl 02-03 and 29: e October 02-03)
- ☐ Different date and time formats
- ☐ Time zones

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Navigation & Lists

- ☐ Back/forward button
- ☐ Lists: Column sorting (if implemented)
- ☐ All list objects: Sorting alphabetically vs. numerically¹
- ☐ Empty lists
- ☐ Very large lists
- ☐ Paging: Sort order should work on the complete list, not per page
- ☐ Paging: Go to first page and try to move backwards
- ☐ Paging: Go to last page and try to move forwards

Usability

- ☐ Consistent language
- ☐ Consistent use of fonts
- ☐ Correct alignment of text, numbers and fields
- ☐ Correct spelling and grammar
- ☐ Correct tab order
- ☐ Error messages (language, spelling, grammar)
- ☐ Objects have a consistent shape and size (buttons, images etc)
- ☐ Inactive links and objects are clearly disabled (grey, toned down, not shown)
- ☐ No broken links, images or objects
- ☐ Test with different screen sizes
- ☐ Test with different browsers
- ☐ Test with different devices
- ☐ Scroll bars are not shown if not needed
- ☐ Scroll bars are shown if needed
- ☐ Windows can be resized without losing functionality

¹ If a numerical field is sorted as a string, the sort order will be alphabetical, which will probably not be the expected result

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Non-functional

- ☐ Performance under normal load
- ☐ Performance under a reasonable high load
- ☐ Performance under pressure (x times the normal load)
- ☐ Concurrent use – multiple users executing the same action
- ☐ Slow network speed/bandwidth
- ☐ Multi-threading – multiple users executing different actions
- ☐ Transactions – can the system safely revert failed transactions
- ☐ Queues – can the system safely handle transactions queueing up
- ☐ Time outs
- ☐ Can the system handle an integration goes down during a transaction?
- ☐ Can the system handle if an integration is down when the transaction starts?

Security

- ☐ SQL Injections
- ☐ Cross Side Scripting (XSS)
- ☐ Unexpected errors: The system must not show information about server, database etc
- ☐ Verify access handling: all existing roles
- ☐ Session variables can't be accessed/manipulated, for example via address bar
- ☐ Cookies are saved encrypted and cannot be read/manipulated
- ☐ You cannot access other users' documents, accounts, orders etc

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Accessibility (WCAG)

- ☐ Pictures have an alt-text
- ☐ Pictures that lack importance have an empty alt-text
- ☐ Pictures are not used to represent only textual content
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- ☐ Colour is not used as the single way of identifying visual content, such as links
- ☐ No instructions rely solely on shape, size or placement (such as "click the square icon" or "see instruction to the right")
- ☐ The title of the page can be understood outside of its context
- ☐ All elements are accessible through the keyboard
- ☐ It is clearly shown what object is active
- ☐ The document follows a clear and logical structure
- ☐ It is possible to move directly from the page header to the page main content (this avoids headers and menus to be re-read if the page reloads)
- ☐ Links and buttons with the same text but different targets are uniquely identifiable
- ☐ Tables are not shown for layout purposes only
- ☐ When an element gets the focus/is activated, the page does not change in a way that might confuse a user (such as a popup opening or keyboard focus changes)
- ☐ No big validation errors in the HTML/XHTML code
- ☐ Forms use the correct label for every element
- ☐ Field validations use label and/or title to tell user of errors
- ☐ There are enough labels/guides/instructions for all mandatory interactive elements on the page
- ☐ Validation errors, such as incorrect values, are shown with a suggestion how to correct the error
- ☐ Any video/sound content has textual alternatives explaining the content
- ☐ All sound > 3 seconds can be paused/stopped/volume adjusted
- ☐ All blinking or moving content > 5 seconds can be paused/stopped/volume adjusted
- ☐ No content blinks more than 3 times per second (if this cannot be avoided: small, low contrast and not red)
- ☐ If a page has a time out of less than 20 hours, the user gets prompted and allowed to renew, close or adjust the time limit