

Software Quality Assurance

Software Development Life Cycles

1. As Quality Assurance team you need to check Browser Dependencies for a Website (Any website) developed by the development team. The following is a checklist contains the following sections - Visual, Cursor, Navigation, Browser settings, Hyperlinks, Window related, Images, Check boxes, Radio button, Textbox, Text Area, List/Combo box, Listing, Page URL encryption, etc.

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| --- | --- | --- | --- |
| **Checklist No** | **Checkpoints** | **Checked Yes/No** | **Comments** |
| 1.0 | Visual |  |  |
| 1.1 | Style sheet | yes |  |
| 1.2 | Tool tip | no |  |
| 1.3 | Page Title | Yes |  |
| 1.4 | Mouse pointer indication | yes | It shows the pointer focus mode |
| 1.5 | Page level scroll bars | yes | On the right |
| 1.6 | Icons on Error message | No | But there is contact us |
| 1.7 | Right click short cut keys | no |  |
| 1.8 | Alignments | yes | Most of the icons look like they are aligned by a percentage method |
| 1.9 | Page icon in header | yes |  |
| 1.10 | Background color | yes | White |
| 1.11 | Resolution | yes |  |
| 2.0 | Cursor |  |  |
| 2.1 | Tab flow | yes | It can change selection |
| 2.2 | Default focus | Yes |  |

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| --- | --- | --- | --- |
| 3.0 | Hyperlinks |  |  |
| 3.1 | Visited links (Color code) | Yes |  |
| 3.2 | Non visited links (Color Code) | no |  |
| 3.3 | Mouse over | yes |  |
| 4.0 | Window related |  |  |
| 4.1 | Maximize | yes |  |
| 4.2 | Minimize | yes |  |
| 4.3 | Restore | yes |  |
| 4.4 | Move | yes |  |
| 4.5 | Position | yes |  |
| 4.6 | Sizing | yes |  |
| 4.7 | Scrolling | yes |  |
| 5.0 | Images |  |  |
| 5.1 | Alt text |  |  |
| 5.2 | Image swap on mouse over | no |  |
| 6.0 | Check boxes |  |  |
| 6.1 | Check on press of space bar | yes |  |
| 6.2 | Check on mouse click | yes |  |
| 6.3 | Multiple selection | no |  |
| 7.0 | Radio button |  |  |
| 7.1 | Default selection | yes |  |
| 7.2 | Single selection | yes |  |
| 7.3 | Multiple selection across sets | no |  |
| 7.4 | Arrow key Navigation | yes |  |
| 8.0 | Textbox |  |  |

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| --- | --- | --- | --- |
| 8.1 | Max length-Min length | yes | Can shrink to phone size screen |
| 8.2 | Data type |  |  |
| 8.3 | Copy-paste | yes |  |
| 8.4 | Enter for next row | no |  |
| 8.5 | Vertical-Horizontal scroll bar limited to max length | yes |  |
| 9.0 | List box |  |  |
| 9.1 | Single selection | yes |  |
| 9.2 | Multiple selection | no |  |
| 9.3 | Default selection | yes |  |
| 9.4 | Sorting | yes |  |
| 9.5 | Scroll bar | yes |  |
| 9.6 | Tool tip text | no |  |
| 10.0 | Combo box |  |  |
| 10.1 | Default selection | yes |  |
| 10.2 | Single selection | yes |  |
| 10.3 | Sorting | yes |  |
| 10.4 | Scroll bar | yes |  |
| 10.5 | Tool tip text | no |  |
| 11.0 | Pull down Menu |  |  |
| 11.1 | Icons | no |  |
| 11.2 | Keyboard shortcuts | yes |  |
| 11.3 | Navigation | yes |  |
| 11.4 | Proper enabling and disabling of menu item | no |  |
| 11.5 | For all right click menus in the page | yes |  |

1. Furthermore, you need to perform a Detailed checklist for the same Website Testing. The following checklist is a detailed word-based Checklist for Website Testing containing Functionality, Usability, Server-Side Interfaces, Client-Side Compatibility, Performance and Security.

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| --- | --- | --- |
| **Test Carried out** | **Expected** | **Actual** |
| **1. Functionality** |  |  |
| 1.1 Links |  | Work |
| Internal Links | Should be present | work |
| External Links | Should be present | work |
| Mail to links | Should open mailbox | work |
| Orphan pages | Should not be present | Not prez |
| Broken links | Should not be present | not prez |
| 1.2 Forms |  |  |
| Field Level checks | Checked for length, special characters, numerical characters etc., | works |
| Field Level Validation | Checked Unique records, Date validation | Works |
| Functional checks | Create, modify, view and delete are working. | Not working |
| Error Handling for wrong inputs or actions. | Appropriate error messages to be displayed. | Unknown |
| Optional and mandatory fields. | Mandatory field should not be left blank.  Optional should allow the user to skip the field. | Work in contact us |
| 1.3 Cookies |  |  |
| Check whether cookies are enabled. | \*\*Depends on project | They are enabled |

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| **2. Usability** |  |  |
| **2.1 Navigation** |  |  |
| Navigation through Mouse | Should be proper | works |
| Navigation through Tab | Should be proper | works |
| Main features access | Should be accessed from home/Main page | Works |
| Hot Keys, Control Keys for menu or action | Should be present | Not prez |
| 2.2 Content |  |  |
| Spelling and Grammar | To be proper | Works |
| Updated information. | Past events/ information to be removed. | Works |
| 2.3 General Appearance |  |  |
| Page Appearance | Should not be any overlapping, missing etc., | everything sorted |
| Colour, font and size | Should be as per standard | works |
| Consistent Design | Everywhere in the website consistent layout and design should be carried out. | yes |
| 4. Client side Compatibility |  |  |
| 4.1 Platform |  |  |
| Windows XP, 7 | Should be working | Cant tell |
| Unix | Should be working | works |
| Linux | Should be working | works |
| Solaris | Should be working | Cant tell |
| Macintosh | Should be working | Cant tell |
| 4.2 Browsers |  |  |
| I.E | Should work in all versions above 6.x | Cant tell |
| Chrome | Should work in all versions above 8.x | works |
| Firefox |  | works |
| 4.3 Printing |  |  |
| Text and alignment | Should be proper | Works |
| Colours of text, foreground and background | Should be readable. | Not prez |
| Scalability to fit paper size. | Should print in A4, Letter size. | Works |
| Tables and borders. | Should be proper. | See through |
| **5. Performance** |  |  |
| 5.1 Connection speed |  |  |
| Timeout | Should give appropriate time to search. Incorrect message, data loss should not be present. | Cant tell |
| 5.2 Load |  |  |
| Large amount of data from users | Should accept | Works but very limited |
| 5.3 Stress |  |  |
| System Crash | Should not be present | No crashes |
| 5.4 Continuous use |  |  |
| Estimate whether available for 24 Hrs, 7 days a week | Try with various timings. | yes |
| Downtime | Measure the downtime | Cant tell |
| **6. Security** |  |  |
| 6.1 Valid and Invalid | Should not enter with Invalid login | There are no accounts |
| Number of tries | Should not be more than 3 times for invalid try. | non |
| Enter URL directly without logging in. | Should not display information. | works |