WD5

Website Testing

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# Website Test Plan

Key requirements for the website test plan:

## Technical

* Run PHP and ensure it is free of errors
* Test SQL statements
* Ensure code is commented and adequately explained so it can be maintained by other developers

Usability

* User to test site under supervision by the developer or tester
* Site will be tested on most common hardware configuration
* Results of testing will be reported in writing on the checklists

Accessibility

* Site must be tested for accessibility by the visually impaired
* Site accessible to people sensitivity to sudden changes in light, e.g.: Epilepsy, Autism

Functionality

Functional elements to be tested are:

* Website navigation
* Forms
* All clickable links

Performance  
Test the database for performance speeds:

* Speed of SQL queries

Compatibility

Site tested to ensure it works on different user agents.

* E.G. different operating systems and web browser setups, e.g.: Mobile, Desktop, Mac, PC

# Website test plan Checklist

## Web Usability

Specific usability tests to be completed. Performed by a tester and observed by the tester/developer.

|  |  |  |
| --- | --- | --- |
| Test | Desired Outcome | Actual Outcome |
| * Navigation | Navigation is predictable, obvious and consistent | Checked, Yes. |
| * Ease of use | User can find specific information easily. EG: a phone number, using a contact form | Checked. Found in one click by clicking the “contact” button |
| * Hardware configuration | Site tested on most common hardware configuration | Yes, performs consistently on Mac OSX mavericks and dusty Dell Windows 7 ye olde government computers at tafe |

## Web Accessibility

Specific accessibility tests to be completed

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Desired Outcome | | Actual Outcome |
| * Text to voice test, can be completed with these tools: <http://www.w3.org/WAI/ER/tools/complete> | Site easily interpreted by screen readers | | Test performed. Results adequate. |
| * Test here | | Site passes test for sudden changes in light | No sudden flashes of Red or strobing colours. Colour palette is relatively harmonious. |

## Database Functionality

Test items for database connection, interaction, etc.

|  |  |  |
| --- | --- | --- |
| Test | Desired Outcome | Actual Outcome |
| * Test SQL queries in PHPmyAdmin | Queries return results in reasonable time, queries can be altered to return results faster (e.g. more specificity in select statements, etc.) | Test query returned result in 0.000 Sec |
|  | | |

## Client side scripts

Testing for e.g. JavaScript libraries, etc

|  |  |  |
| --- | --- | --- |
| Test | Desired Outcome | Actual Outcome |
| * Test JavaScript | JavaScript executes in acceptable timeframe. Make adjustments to code where necessary. | Javascript runs predictably |
| * Use a content delivery network for JavaScript libraries like jQuery (e.g. Google CDN) | CDN used | Jquery CDN used for jquery libraries |
| * Check that scripts are minified to increase speed of execution | Scripts minified correctly | Scripts minified where possible. |
| v | | |

## Server side scripts

Testing for e.g. PHP scripts, MySQL, etc

|  |  |  |
| --- | --- | --- |
| Test | Desired Outcome | Actual Outcome |
| * Check PHP for errors | PHP performs adequately. | Error reporting turned on, No errors returned. |
|  |  |  |