# USABILITY TESTS

|  |  |
| --- | --- |
| Title #1 | Site Responsiveness |
| Purpose | Check if website fits on various screens sizes |
| Expected Result | The website and all of its elements should have a good appearance on the screen |
| Result | Safari - Pass Chrome - Pass Firefox - Pass Safari iOS - Pass |
| Recommendation | No recommendations |

|  |  |
| --- | --- |
| Title #2 | Text Alignment |
| Purpose | Check the text alignment of the website |
| Expected Result | The text must be aligned in all pages of the website |
| Result | Home page - Pass Score - Pass Quiz Level 1 - Pass Quiz Level 2 - Pass Quiz Level 3 - Pass  Settings - Pass Change Password - Pass Change Email - Pass Change Username - Pass Change Languages - Pass |
| Recommendation | Settings/Languages pages could have the language dropdown menu centralized |

|  |  |
| --- | --- |
| Title 3 | All Buttons In Standard Format |
| Purpose | Test the uniformity of the website buttons |
| Expected Result | All buttons should have the same format, color and style |
| Result | Main menu - Pass Settings - Pass Change Password - Pass Change Email - Pass Change Username - Pass Change Languages - Pass  Quiz Level 1 - Pass Quiz Level 2 - Pass Quiz Level 3 - Pass  Contact - Fail |
| Recommendation | Quiz Buttons could have been stylised with bootstrap |

|  |  |
| --- | --- |
| Title 4 | Home Link in Every Page |
| Purpose | Check if home link is present in every page of the site |
| Expected Result | A link to the home page should be present in every page |
| Result | Main menu - Pass Settings - Pass Change Password - Pass Change Email - Pass Change Username - Pass Change Languages - Pass |
| Recommendation | No Recommendations |

|  |  |
| --- | --- |
| Title 5 | Broken links and images |
| Purpose | Check for broken links and images |
| Expected Result | Should not have any broken links or images |
| Result | Main menu - Pass Settings - Pass Change Password - Pass Change Email - Pass Change Username - Pass Change Languages - Pass  Quiz Level 1 - Pass Quiz Level 2 - Pass Quiz Level 3 - Pass  About - Pass Contact - Pass Terms and Conditions - Pass |
| Recommendation | No Recommendations |

|  |  |
| --- | --- |
| Title 6 | Disabled fields should be grayed out |
| Purpose | Check if disabled fields are grayed out |
| Expected Result | Disabled buttons must be grayed out |
| Result | Quiz Level 1 - Pass Quiz Level 2 - Pass Quiz Level 3 - Pass |
| Recommendation | No Recommendations |

|  |  |
| --- | --- |
| Title 7 | Dropdown data is not truncated due to the field size |
| Purpose | Check if the dropdown data is not truncated due to the field size |
| Expected Result | The data should not be truncated or cropped |
| Result | Change Language - Pass Contact - Pass |
| Recommendation | Contact form could match website colors |

|  |  |
| --- | --- |
| Title 8 | Confirmation message displayed for any kind of update and delete operation |
| Purpose | Display confirmation message after database operation |
| Expected Result | Message displayed in green after operation succeeded or displayed in red if failed |
| Result | Change Password - Pass Change Username - Fail Change Email - Fail Change Language - Fail |
| Recommendation | Look at the database query, the problem appears to be in the query. |

# FUNCTIONAL TESTS

|  |  |
| --- | --- |
| Title 1 | Asterisks for passwords |
| Purpose | Displayed asterisks in passwords fields |
| Expected Result | Asterisk shoud be displayed for passwords |
| Result | Login Page - Pass Change Password - Pass |
| Recommendation | No recommendations |

|  |  |
| --- | --- |
| Title 2 | User Password length |
| Purpose | Force user to create a more secure password |
| Expected Result | Password must be at leas 6 characters |
| Result | Register new account - Pass Change Password - Fail |
| Recommendation | Fix the internal page to validate the fields with javascript |

|  |  |
| --- | --- |
| Title 3 | Validate mandatory fields |
| Purpose | Ensure that mandatory fields data are in the correct format |
| Expected Result | Must exhibit a message if field is invalid |
| Result | Change Password - Fail Sign up:  Username - Pass  E-mail - Pass  Password - Pass  Password Repeat - Pass |
| Recommendation | No recommendations. |

# COMPATIBILITY TESTS

|  |  |
| --- | --- |
| Title 1 | Test the website in different browsers and ensure the website is displaying properly |
| Purpose | Check if there any differences between browsers exhibitions |
| Expected Result | Website should display properly |
| Result | Chrome - Pass Safari - Pass Firefox - Pass |
| Recommendation | No recommendations |

|  |  |
| --- | --- |
| Title 2 | Fonts |
| Purpose | Test the fonts are usable in different browsers |
| Expected Result | Fonts should display properly |
| Result | Chrome - Pass Safari - Pass Firefox - Pass |
| Recommendation | No recommendations |

|  |  |
| --- | --- |
| Title 3 | Images |
| Purpose | Test the images display correctly in different browsers |
| Expected Result | Images should display properly |
| Result | Chrome - Pass Safari - Pass Firefox - Pass |
| Recommendation | No recommendations |

|  |  |
| --- | --- |
| Title 4 | Javascript |
| Purpose | Test the java script code is usable in different browsers |
| Expected Result | The Javascript must return the same output in different browsers |
| Result | Chrome - Pass Safari - Pass Firefox - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 5 | HTML |
| Purpose | Test the HTML version being used is compatible with appropriate browser versions |
| Expected Result | The HTML should be compatible with browsers most recent versions |
| Result | Chrome 49.0.2623.110 - Pass Safari 9.1 (11601.5.17.1) - Pass Firefox 45.0.2 - Pass |
| Recommendation | No recommendations |

# DATABASE TESTS

|  |  |
| --- | --- |
| Title 1 | Primary and foreign keys |
| Purpose | Verify the Primary and foreign key of each table |
| Expected Result |  |
| Result | Table questions - questionid is the Primary key - Pass Table users - user\_id is the Primary key - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 2 | Database size |
| Purpose | Verify the database size |
| Expected Result | Database should not exceed 10MB |
| Result | Table questions - 16kb Table users - 48kb Total database size 64k - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 3 | Database Response time |
| Purpose | Test the response time of each query executed |
| Expected Result | Query should have optimal execution time |
| Result | Registering new user - 0.0033 seconds - Pass Deleting user - 0.0021 seconds - Pass Change user Password - 0.0011 seconds - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 4 | Encrypted password |
| Purpose | Verify if the user password is encrypted in the database |
| Expected Result | The user password should be encrypted in the MD5 format |
| Result | user\_password\_hash column is encrypted in MD5 format - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 5 | Database Name |
| Purpose | Verify the database name |
| Expected Result | Should match "majorgroupproject" |
| Result | System database name is “majorgroupproject" - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 6 | Output zero |
| Purpose | Test when the output is zero |
| Expected Result | Zero records should be affected |
| Result | Executed query for a non existent user - Returned zero with zero records affected - Pass |
| Recommendation | No recommendations. |

|  |  |
| --- | --- |
| Title 7 | Data insertion verification |
| Purpose | Verify the data gets properly saved into the database after the each page submission |
| Expected Result | The data should be saved after each page submission |
| Result | Login - Pass Sign up - Pass Change Password - Pass Change email - Pass Change username - Pass Change Languages - Pass Quiz - Pass |
| Recommendation | No recommendations. |

# INSTALLATION TESTS

|  |  |
| --- | --- |
| Title 1 | Database creation |
| Purpose | Test the database import |
| Expected Result | Should create entire database with some users and questions |
| Result | Users - Pass Questions - Pass |
| Recommendation | No recommendations |

|  |  |
| --- | --- |
| Title # | [name of test method] |
| Purpose | [what does it test] |
| Expected Result | [what result should be accomplished] |
| Result | [actual result – pass/fail] |
| Recommendation | [any recommendation if fail]  [who fixed what, and when] |