Non-functional Testing

Security Test

Test Case 1 By pass the Member homepage without login

|  |  |
| --- | --- |
| Input | URL=” http://127.0.0.1/BIT210%20v3.5/Bit210/member\_homepage.php” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%208.00.56%20AM.png |
| Expected Outcome | Error Message displayed |
| Actual Outcome | “You have to login first” |

Test Case 2 By pass the Trainer homepage without login

|  |  |
| --- | --- |
| Input | URL=”http://127.0.0.1/BIT210%20v3.5/Bit210/trainer\_homepage.php” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%208.02.53%20AM.png |
| Expected Outcome | Error Message displayed and login page is directed |
| Actual Outcome | “You have to login first” and login page is directed |

Test Case 3 By pass the Member register group training session page without login

|  |  |
| --- | --- |
| Input | URL=”http://127.0.0.1/BIT210%20v3.5/Bit210/member\_register\_session\_group.php” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%208.02.53%20AM.png |
| Expected Outcome | Error Message displayed and login page is directed |
| Actual Outcome | “You have to login first” and login page is directed |

Test Case 4 By pass the Trainer View Training History Group page without login

|  |  |
| --- | --- |
| Input | URL=” http://127.0.0.1/BIT210%20v3.5/Bit210/trainer\_history\_group.php” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%208.02.53%20AM.png |
| Expected Outcome | Error Message displayed and login page is directed |
| Actual Outcome | “You have to login first” and login page is directed |

Test Case 5 Login with username and password not found in database

|  |  |
| --- | --- |
| Input | Username=”Wong”  Password=”1234” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | /Users/wKvin/Desktop/Screen Shot 2017-10-24 at 11.19.18 AM.png |
| Expected Outcome | Error Message displayed |
| Actual Outcome | “Username and Password are not found.” |

Compability test

Using Safari to test the Website

Test Case 1 Sign Up as Member

|  |  |
| --- | --- |
| Input | Username = “kkkvin”  Full Name = “wong kvin”  Email address = “kkkvin@gmail.com”  Password = “123456”  Confirm Password = “123456”  Address = “jalan malimbu”  Level = “Beginner” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%2011.27.45%20AM.png  Screen%20Shot%202017-10-24%20at%2011.32.47%20AM.png |
| Expected Outcome | Successful Message displayed and homepage is directed |
| Actual Outcome | “Record added successfully” and homepage is directed |

Test Case 2 Sign Up as a Trainer

|  |  |
| --- | --- |
| Input | Username = “ddniel”  Full Name = “Daniel dd”  Email address = “ddniel @gmail.com”  Password = “123456”  Confirm Password = “123456”  Address = “jalan malimbu”  Specialty = “Taichi Master” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%2011.38.25%20AM.png  Screen%20Shot%202017-10-24%20at%2011.32.47%20AM.png |
| Expected Outcome | Successful Message displayed and homepage is directed |
| Actual Outcome | “Record added successfully” and homepage is directed |

Test Case 3 Record Personal Training Session

|  |  |
| --- | --- |
| Input | Title=”Samba Class”  Date=”27 October 2017”  Time=”10:20AM”  Fee=”100” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | /Users/wKvin/Desktop/Screen Shot 2017-10-24 at 11.24.43 AM.png |
| Expected Outcome | Successful Message displayed |
| Actual Outcome | “Record added successfully” |

Test Case 4 Record Group Training Session

|  |  |
| --- | --- |
| Input | Title=”Yoga Class”  Date=”27 October 2017”  Time=”10:20AM”  Fee=”100”  Max participant= “20”  Type =”Sport” |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | /Users/wKvin/Desktop/Screen Shot 2017-10-24 at 11.27.45 AM.png |
| Expected Outcome | Successful Message displayed |
| Actual Outcome | “Record added successfully” |

Test Case 5 Register Personal and Group Training Session

|  |  |
| --- | --- |
| Input | Click on button register on the table |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%2011.39.58%20AM.png |
| Expected Outcome | Successful Message displayed |
| Actual Outcome | “Registered successfully” |

Test Case 6 Member View Training history

|  |  |
| --- | --- |
| Input | Click on button View History tab on the sidebar |
| Screen Capture/Test Result/anything to prove your non-functional requirement worked | Screen%20Shot%202017-10-24%20at%2011.53.41%20AM.png |
| Expected Outcome | The record that the member will be shown |
| Actual Outcome | The record that the member will be shown |

Data Integrity Test

Test Case 1: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “”  Full Name = “”  Email address = “”  Password = “”  Confirm Password = “”  Address = “”  Level = “” |
| Screen Capture | Member Sign  Screen%20Shot%202017-10-23%20at%201.53.13%20PM.png  Screen%20Shot%202017-10-23%20at%201.53.22%20PM.png |
| Expected Outcome | Error message display “Please ensure all fields are filled!”, shown on top of the website and all textboxes will have red color border |
| Actual Outcome | “Please ensure all fields are filled!” and all textboxes will have red color border |

Test Case 2: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “1234”  Email address = “”  Password = “”  Confirm Password = “”  Address = “”  Level = “” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%202.03.16%20PM.png |
| Expected Outcome | Error message display “'Please enter only alphabets” and red color border on Fullname textbox |
| Actual Outcome | “'Please enter only alphabets!” and red color border on Fullname textbox |

Test Case 3: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “Kvin”  Full Name = “wkvin”  Email address = “k”  Password = “”  Confirm Password = “”  Address = “”  Level = “” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%202.07.52%20PM.png |
| Expected Outcome | Error message display “Invalid Email Address!” and red color border at email textbox |
| Actual Outcome | Invalid Email Address!” and red color border at email textbox |

Test Case 4: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “kevin”  Full Name = “wkvin”  Email address = “kvin@gmail.com”  Password = “123456”  Confirm Password = “123456”  Address = “jalan sentosa 554”  Level = “Beginner” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%202.52.15%20PM.png |
| Expected Outcome | Error message display “You have already sign Up!!” if email is in the database already |
| Actual Outcome | “You have already sign Up!!” |

Test Case 5: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “kevin”  Full Name = “wkvin”  Email address = “wwkvin@gmail.com”  Password = “12345”  Confirm Password = “12345”  Address = “jalan sentosa 54”  Level = “Beginner” |
| Screen capture | Screen%20Shot%202017-10-23%20at%202.23.46%20PM.png |
| Expected Outcome | Error message display "Please enter at least 6 digit!” and red color border on Password textbox |
| Actual Outcome | "Please enter at least 6 digit!” and red color border on Password textbox |

Test Case 6: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “wkvin”  Email address = “k@gmail.com”  Password = “123456”  Confirm Password = “”  Address = “”  Level = “” |
| Screen capture | Screen%20Shot%202017-10-23%20at%202.55.59%20PM.png |
| Expected Outcome | Error message display and red color border on Password textbox |
| Actual Outcome | " Passwords Do Not Match” and red color border on Password textbox |

Test Case 7: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “wkvin”  Email address = “k@gmail.com”  Password = “123456”  Confirm Password = “1234567”  Address = “”  Level = “” |
| Screen capture | Screen%20Shot%202017-10-23%20at%202.56.43%20PM.png |
| Expected Outcome | Error message display " Passwords Do Not Match” and red color border on Password textbox |
| Actual Outcome | " Passwords Do Not Match” and red color border on Password textbox |

Test Case 8: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “kevin”  Full Name = “wkvin”  Email address = “wwkvin@gmail.com”  Password = “12345”  Confirm Password = “12345”  Address = “jalan sentosa 54”  Level = “Beginner” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%203.00.42%20PM.png |
| Expected Outcome | Error message display "Please enter at least 6 digit!"and red color border on Password textbox |
| Actual Outcome | "Please enter at least 6 digit!"and red color border on Address textbox |

Test Case 9: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “wkvin”  Email address = “k@gmail.com”  Password = “123456”  Confirm Password = “123456”  Address = “jalan sentosa 54”  Level = “” |
| Screen capture | Screen%20Shot%202017-10-23%20at%203.02.50%20PM.png |
| Expected Outcome | red color border on Level dropdown box |
| Actual Outcome | red color border on Level dropdown box |

Test Case 8: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “”  Full Name = “”  Email address = “”  Password = “”  Confirm Password = “”  Address = “”  Level = “” |
| Screen Capture | Member Sign  Screen%20Shot%202017-10-23%20at%201.53.13%20PM.png  Screen%20Shot%202017-10-23%20at%201.53.22%20PM.png |
| Expected Outcome | Error message display “Please ensure all fields are filled!”, shown on top of the website and all textboxes will have red color border |
| Actual Outcome | “Please ensure all fields are filled!” and all textboxes will have red color border |

Test Case 9: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “1234”  Email address = “”  Password = “”  Confirm Password = “”  Address = “”  Level = “” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%202.03.16%20PM.png |
| Expected Outcome | Error message display “'Please enter only alphabets” and red color border on Fullname textbox |
| Actual Outcome | “'Please enter only alphabets!” and red color border on Fullname textbox |

Test Case 10: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “Kvin”  Full Name = “wkvin”  Email address = “k”  Password = “”  Confirm Password = “”  Address = “”  Level = “” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%202.07.52%20PM.png |
| Expected Outcome | Error message display “Invalid Email Address!” and red color border at email textbox |
| Actual Outcome | Invalid Email Address!” and red color border at email textbox |

Test Case 11: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “kevin”  Full Name = “wkvin”  Email address = “kvin@gmail.com”  Password = “123456”  Confirm Password = “123456”  Address = “jalan sentosa 554”  Level = “Beginner” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%202.52.15%20PM.png |
| Expected Outcome | Error message display “You have already sign Up!!” if email is in the database already |
| Actual Outcome | “You have already sign Up!!” |

Test Case 12: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “kevin”  Full Name = “wkvin”  Email address = “wwkvin@gmail.com”  Password = “12345”  Confirm Password = “12345”  Address = “jalan sentosa 54”  Level = “Beginner” |
| Screen capture | Screen%20Shot%202017-10-23%20at%202.23.46%20PM.png |
| Expected Outcome | Error message display "Please enter at least 6 digit!” and red color border on Password textbox |
| Actual Outcome | "Please enter at least 6 digit!” and red color border on Password textbox |

Test Case 13: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “wkvin”  Email address = “k@gmail.com”  Password = “123456”  Confirm Password = “”  Address = “”  Level = “” |
| Screen capture | Screen%20Shot%202017-10-23%20at%202.55.59%20PM.png |
| Expected Outcome | Error message display and red color border on Password textbox |
| Actual Outcome | " Passwords Do Not Match” and red color border on Password textbox |

Test Case 14: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “wkvin”  Email address = “k@gmail.com”  Password = “123456”  Confirm Password = “1234567”  Address = “”  Level = “” |
| Screen capture | Screen%20Shot%202017-10-23%20at%202.56.43%20PM.png |
| Expected Outcome | Error message display " Passwords Do Not Match” and red color border on Password textbox |
| Actual Outcome | " Passwords Do Not Match” and red color border on Password textbox |

Test Case 15: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “kevin”  Full Name = “wkvin”  Email address = “wwkvin@gmail.com”  Password = “12345”  Confirm Password = “12345”  Address = “jalan sentosa 54”  Level = “Beginner” |
| Screen Capture | Screen%20Shot%202017-10-23%20at%203.00.42%20PM.png |
| Expected Outcome | Error message display "Please enter at least 6 digit!"and red color border on Password textbox |
| Actual Outcome | "Please enter at least 6 digit!"and red color border on Address textbox |

Test Case 16: Sign Up (Member)

|  |  |
| --- | --- |
| Input | Username = “wkvin”  Full Name = “wkvin”  Email address = “k@gmail.com”  Password = “123456”  Confirm Password = “123456”  Address = “jalan sentosa 54”  Level = “” |
| Screen capture | Screen%20Shot%202017-10-23%20at%203.02.50%20PM.png |
| Expected Outcome | red color border on Level dropdown box |
| Actual Outcome | red color border on Level dropdown box |

Test Case 17: Record a Training Session (Personal)

|  |  |
| --- | --- |
| Input | Title = “”  Date = “”  Time = “”  Fee = “” |
| Screen Capture | Screen%20Shot%202017-10-24%20at%202.00.00%20AM.png |
| Expected Outcome | Error message displayed “All the field most be completed!” |
| Actual Outcome | “All the field most be completed!” |

Test Case 18: Record a Training Session (Personal)

|  |  |
| --- | --- |
| Input | Title = “Samba Class”  Date = “”  Time = “”  Fee = “” |
| Screen Capture | Screen%20Shot%202017-10-24%20at%206.46.17%20AM.png |
| Expected Outcome | Error message displayed “All the field most be completed!” |
| Actual Outcome | “All the field most be completed!” |

Test Case 19: Record a Training Session (Personal)

|  |  |
| --- | --- |
| Input | Title = “Samba Class”  Date = “25 October2017”  Time = “10:20AM”  Fee = “” |
| Screen Capture | Screen%20Shot%202017-10-24%20at%206.49.00%20AM.png |
| Expected Outcome | Error message displayed “All the field most be completed!” |
| Actual Outcome | “All the field most be completed!” |

Test Case 20: Record a Training Session (Personal)

|  |  |
| --- | --- |
| Input | Title = “Samba Class”  Date = “12 October2017”  Time = “10:20AM”  Fee = “a” |
| Screen Capture | Screen%20Shot%202017-10-24%20at%206.54.22%20AM.png |
| Expected Outcome | Error message displayed “Fee must be in numeric format!” |
| Actual Outcome | “Fee must be in numeric format!” |

Test Analysis Report

By conducting the testing set from the test plan, there are some hidden bug that unexpectedly found during the test like unit testing, running through the code to find out the bug. Somehow, by running through functional testing there are many hidden bugs that found surprisingly like member sign up form validation, there are many javascript code but some of the bug might be missed during the unit testing. Do have collaboration with my teammate on the integration testing to make sure all the page links work and many testing going on through integration testing like sign up page, after sign up is working successfully, the homepage will be directed. After login page is successfully login, the member or trainer homepage will be displayed. The last but not least, the non-functional testing by going through this testing, it making the website have a better secured feature like making sure the outsider cannot by pass through the website to other pages like member and trainer homepage, you will have to login to access the website. On the other hand, the performance testing to make sure the website is having a quick respond to transit to other page smoothly and the data integrity test to make sure all the data entered correctly.