PART E – SOFTWARE TEST DOCUMENTATION

## INTRODUCTION

### SYSTEM OVERVIEW

This document describes the approach and methodologies used by the testing group to plan, organize and manage the testing of Online Assessment and Testing System. It describes the implementation details of test cases and technical details of how the product features should work.

This document also provides the checklists of validation and submission as well as the test results.

### TEST APPROACH

Test goals: the testing aims to identify the remaining bugs in the system before releasing and confirm the consistency in design and implementation.

Test type: black box testing.

Test level: system and integration test.

## TEST PLAN

The following part describes the features to be tested or not to be tested, testing tools and test environment.

### FEATURES TO BE TESTED

There are eight areas to be focused on during the test:

1. **Guest**

General functions for users who do not have an account or do not log in to the system:

* Register
* Login

1. **User**

Functions for general user to interact with system:

* Searching
* Manage Personal Information
* View Tests on Calendar Schedule
* Test List View

1. **Teacher**

Functions for teachers to manage all about tests and monitor student progress:

* Test Settings
* Invitation
* View Test Responses
* Test Management
* View Test Scores
* Manage Tags
* Feedbacks
* Assign Tests to User

1. **Student**

General functions for students:

* Do Test
* View History of Test
* Feedbacks

### FEATURES NOT TO BE TESTED

N/A

### TESTING TOOLS AND ENVIRONMENT

Testing tools: no special testing tools

Testing environment:

* Operating system: Microsoft Window 7
* Browser: Google Chrome 10+, Firefox 10+, Microsoft Internet Explorer 9+

## TEST CASES

### Guest – Common Functions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Pre-Conditions** | **Test Case Procedure** | **Expected Output** | **Result** | **Test Date** | **Note** |
| Module Register | | | | | | | |
| [Guest-1] | Test empty field Name email, password and Terms check box | None | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Name:  + Email:  +Password:  +Re-Password:  +Phone number: anything  +Country: anything  3.Click “Create account” button | 1. Show message “This field is required” next of “Name”, “Email”, “Password”, “Re-Password” field.  +Show message “Agree terms and conditions” in “Terms” check box | Untested | 21-07-2012 | TuHM |
| [Guest-2] | Test input wrong email format | None | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Name: TuHM  + Email: abc@  +Password: 12345678  +Re-Password: 12345678  +Phone number: anything  +Country: anything  3.Check “Terms” check box  4.Click “Create account” button | 1. Show message: “This field must be formatted as an email” next of “Email” field. | Untested | 21-07-2012 | TuHM |
| [Guest-3] | Test input wrong password format | None | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Name: TuHM  + Email: TuHM@gmail.com  +Password: 1234567  +Re-Password: 1234567  +Phone number: anything  +Country: anything  3.Check “Terms” check box  4.Click “Create account” button | 1.Show message: “Password must be at least 8 characters” next of “Password”, “Re-Password” field | Untested | 21-07-2012 | TuHM |
| [Guest-4] | Test input does not match password and re-password | None | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Name: TuHM  + Email: TuHM@gmail.com  +Password: 12345678  +Re-Password: 12345679  +Phone number: anything  +Country: anything  3.Check “Terms” check box  4.Click “Create account” button | 1.Show message: “Passwords does not match” next of “Re-Password” field | Untested | 21-07-2012 | TuHM |
| [Guest-5] | Test register success | none | 1.Go to Register and Login page  2. Fill all information in requirement field as follow (Right format):  +Name: TuHM  + Email: TuHM@gmail.com  +Password: 12345678  +Re-Password: 12345678  +Phone number: 0905053708  +Country: Viet Nam  3.Check “Terms” check box  4.Click “Create account” button | 1. Show message: “Sign up success”.  After 3 seconds, redirect to homepage | Untested | 21-07-2012 | TuHM |
| [Guest-6] | Test register existed email | Have an account | 1.Go to Register and Login page  2. Fill all information in requirement field as follow (Account TuHM register success):  +Name: TuHM  + Email: TuHM@gmail.com  +Password: 12345678  +Re-Password: 12345678  +Phone number: 0905053708  +Country: Viet Nam  3.Check “Terms” check box  4.Click “Create account” button | 4. Show message: “This email already exist, please choose another.” | Untested | 21-07-2012 | TuHM |
| Module Login | | | | | | | |
| [Guest-7] | Test empty Email Address | None | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Email Address:  +Password: 12345678  3.Click “Login” button | 3.Show message: “Login failed, invalid email or password, please try again.” | Untested | 21-07-2012 | TuHM |
| [Guest-8] | Test empty password | none | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Email Address: TuHM@gmail.com  +Password:  3.Click “Login” button | 3. Show message: “Login failed, invalid email or password, please try again.” | Untested | 21-07-2012 | TuHM |
| [Guest-9] | Test input wrong email format | none | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Email Address: TuHM@  +Password: 12345678  3.Click “Login” button | 3. Show message: “Login failed, invalid email or password, please try again.” | Untested | 21-07-2012 | TuHM |
| [Guest-10] | Test input wrong password format | none | 1.Go to Register and Login page  2. Fill all information in requirement field as follow:  +Email Address: TuHM@gmail.com  +Password: 1234567  3.Click “Login” button | 3. Show message: “Login failed, invalid email or password, please try again.” | Untested | 21-07-2012 | TuHM |
| [Guest-11] | Test login success | Have an account with email: [TuHM@gmail.com](mailto:TuHM@gmail.com) and pass:12345678 | 1.Go to Register and Login page  2. Fill all information in requirement field as follow (Existed account)”  +Email Address: TuHM@gmail.com  +Password: 12345678  3.Click “Login” button | 3.Redirect to homepage | Untested | 21-07-2012 | TuHM |

### User – General Activities

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Pre-Conditions** | **Test Case Procedure** | **Expected Output** | **Result** | **Test Date** | **Note** |
| Module Searching | | | | | | | |
| [MS01] | Search to find user who has registered in the web. | 1. Login success | 1. Login  2. Choose Teacher Or Student tab  3. Type letters of username which user want to find.  4. Choose username which user find. | Appear list of usernames have the same letters with the letters which user was typed.  If username which user typed exist then user choose it, display username, user’s email, the tests user did or is doing. | Untested | 19-7-2013 | AnhAN |
| [MS02] | User can search to find the test. | 1. Login success. | 1.Login  2. Typing the letters of test user want to find in Search textbox  3.Choose the test user find | Appear list of tests have the same letters with the letters which user was typed.  If the test user find exist then user choose it, the test will display. | Untested | 19-7-2013 | AnhAN |
| Module Manage Personal Information | | | | | | | |
| [PSI01] | Show personal information | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile” | 2.Show the drop-down box  3.Show the pop-up with all fields:  +Name: werwer  +Email address: tiwtiger@gmail.com +Current password:  +New password (disable)  +Repeat password (disable) | Untested | 21-07-2013 | TanND |
| [PI02] | Close personal information pop-up | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Click “Cancel” button | 4.Close the pop-up | Untested | 21-07-2013 | TanND |
| [PI03] | Change name | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Delete and fill in “Name” field: abcabc  5.Click “Save” button | 5.Show Message: “Success on save your profile”, save all changed to database and close the pop-up | Untested | 21-07-2013 | TanND |
| [PSI04] | Delete name | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Delete “Name” field  5.Click “Save” button | 5.Show Message: “Name must not be empty.” | Untested | 21-07-2013 | TanND |
| [PI05] | Change email | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Delete and fill in “Email” field: [tiwtiger@yahoo.com](mailto:tiwtiger@yahoo.com)  5.Click “Save” button | 5.Show Message: “Success on save your profile”, save all changed to database and close the pop-up | Untested | 21-07-2013 | TanND |
| [PI06] | Delete email | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Delete “Email” field  5.Click “Save” button | 5.Show Message: “This field is required” | Untested | 21-07-2013 | TanND |
| [PI07] | Input wrong email format | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Delete and fill in “Email” field: abc@  5.Click “Save” button | 5.Show Message: “This field must be formatted as an email” | Untested | 21-07-2013 | TanND |
| [PI08] | Change password | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Fill in “Current password” field: 12345678  5.Fill in “New password” field: 87654321  “Repeat password” field: 87654321  6.Click “Save” button | 4.Enable “New password” and “Repeat password” field  6.Show Message: “Success on save your profile” and save all changed to database | Untested | 21-07-2013 | TanND |
| [PI09] | Input wrong password format | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Fill in “Current password” field: 12345678  5.Fill in “New password” field: 123  “Repeat password” field: anything  6.Click “Save” button | 6.Show Message: “Password must be at least 8 characters” | Untested | 21-07-2013 | TanND |
| [PI10] | Input does not match new password and repeat password | None | 1.Login to homepage ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  2.Click “User” icon in top-left of page  3.Click “My profile”  4.Fill in “Current password” field: 12345678  5.Fill in “New password” field: 987654321  “Repeat password” field: 87654321  6.Click “Save” button | 6.Show Message: “Password dost not match” | Untested | 21-07-2013 | TanND |
| Module View Tests on Calendar Schedule | | | | | | | |
| [TC01] | View tests on Calendar | None | 1.Login to homepage | 1.Show the Calendar with all test in this month (default) | Untested | 21-07-2013 | TanND |
| [TC02] | View tests when refresh calendar | None | 1.Login to homepage  2.Click “Test List” tab 3.Click “Calendar” tab | 2.Show the “Test List” page. 3.Show the Calendar with all test in this month | Untested | 21-07-2013 | TanND |
| [TC03] | View tests in last month, next month | None | 1.Login to homepage  2.Click “Next month” button 3.Click “Last month” button | 2.Show the Calendar with all tests in next month  3.Show the Calendar with all tests in last month | Untested | 21-07-2013 | TanND |
| [TC04] | View tests on Calendar by Week | None | 1.Login to homepage  2.Click “Week” tab | 2.Show the Calendar with all test in this week (Show calendar by week) | Untested | 21-07-2013 | TanND |
| [TC05] | View tests in last week, next week | None | 1.Login to homepage  2.Click “Next week” button 3.Click “Last week” button | 2.Show the Calendar with all tests in next week  3.Show the Calendar with all tests in last week | Untested | 21-07-2013 | TanND |
| [TC06] | View tests on Calendar by Day | None | 1.Login to homepage  2.Click “Day” tab | 2.Show the Calendar with all test in this day (Show calendar by day) | Untested | 21-07-2013 | TanND |
| [TC07] | View tests in last day, next day | None | 1.Login to homepage  2.Click “Next day” button 3.Click “Last day” button | 2.Show the Calendar with all tests in next day  3.Show the Calendar with all tests in last day | Untested | 21-07-2013 | TanND |
| Module Test List View | | | | | | | |
| [TW01] | View running tests | - Account test must be assigned to a test are running | 1.Login to homepage  2.Click “Test List” tab | 2.Show a table with all tests are running (default). | Untested | 21-07-2013 | TanND |
| [TW02] | View recent tests | - Account test must take a test | 1.Login to homepage  2.Click “Test List” tab  3.Click “Recent Tests” tab | 3. Show a table with all recent tests. | Untested | 21-07-2013 | TanND |
| [TW03] | View upcoming tests | - Account test must be assigned to a test are upcoming | 1.Login to homepage  2.Click “Test List” tab  3.Click “Upcoming Tests” tab | 3.Show a table with all upcoming tests. | Untested | 21-07-2013 | TanND |

### Teacher – Tests Management

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Pre-Conditions** | **Test Case Procedure** | **Expected Output** | **Result** | **Test Date** | **Note** |
| Module Test Settings | | | | | | | |
| [TS01] | View test setting | - Account test must make a test | 1.Login to homepage ([pk\_lilo777@yahoo.com](mailto:pk_lilo777@yahoo.com) 12345678)  2.Click the test “Lession 123” in calendar  3.Click “Settings” tab | 2.Redirect to “Test Content” page 3.Change to “Settings” tab with all check box settings. | Untested | 21-07-2013 | TanND |
| [TS02] | Setting on “Require access code” | - Must have two account:  + First account take a test.  + Second account is assigned to a test. | 1.Login to homepage ([pk\_lilo777@yahoo.com](mailto:pk_lilo777@yahoo.com) 12345678)  2.Click the test “Lession 123” in calendar  3.Click “Settings” tab  4.Check “Require access code”  5.Logout and login to homepage  ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  6.Click the test “Lession 123” in calendar  7.Fill access code and click “OK” button | 3.Show a access code is next of “Require access code” check box.  6.Redirect to “Require access code” page.  7.Redirect to “Do Test” page | Untested | 21-07-2013 | TanND |
| [TS03] | Setting off “Require access code” | - Must have two account:  + First account take a test.  + Second account is assigned to a test.  - A test is setting on “Require access code” | 1.Login to homepage ([pk\_lilo777@yahoo.com](mailto:pk_lilo777@yahoo.com) 12345678)  2.Click the test “Lession 123” in calendar  3.Click “Settings” tab  4.Check “Require access code”  5.Logout and login to homepage  ([tiwtiger@gmail.com](mailto:tiwtiger@gmail.com) 12345678)  6.Click the test “Lession 123” in calendar | 3.Hide a access code  6.Redirect to “Do Test” page | Untested | 21-07-2013 | TanND |
| Module Invitation | | | | | | | |
| [MI01] | Invite users into the test | 1.Login success | 1.Login  2.Choose Test tab.  3.Click New button.  4.Choose Invitation tab.  5.Click Invite more students button or Invite more educators button.  6.Search user in list of users  7.Click Invite button | 5.Appear a popup contains list of users.  6.Search and choose user in list has just appeared.  7.Display number of students(or educators) were invited, name, email and the mail contains a link which help user access directly the test | Untested | 19-7-2013 | AnhAN |
| [MI02] | Re-invite users into the tests again. | 1.Login success.  2.Users were invited | 1.Login  2.Choose Test tab.  3.Click New button.  4.Choose Invitation tab.  5.Click Re-invite button or Re-invite button.  6.Search user in list of users  7.Click Reinvite button | 5.Appear the popup contains users were invited  6.Search and choose user in list has just appeared.  7. 7.Display number of students(or educators) were invited, name, email and the mail contains a link which help user access directly the test | Untested | 19-7-2013 | AnhAN |
| [MI03] | Remove users out of the test. | 1.Login success  2.Users were invited | 1.Login  2.Choose Test tab.  3.Click New button.  4.Choose Invitation tab.  5.Click Remove button  6.Search user in list of users  7.Click Remove button | 5.Appear the popup contains users were invited  6.Search user in list has just appeared.  7.Delete users have chosen out of the test. | Untested | 19-7-2013 | AnhAN |
| Module View Test Responses | | | | | | | |
| [TS01] | Review individual student responses and item analytics for any subsets of test responses from all or some of students | 1.Login success  2.Existing user made the test | 1.Login  2.Choose Test tab  3.Click New button  4.Choose Response tab  5.Search user in this test  6.Choose the test of the user | 5.Appear list of user who made this test.  6.Display test responses of the user who was found. | Untested | 19-7-2013 | AnhAN |
| Module Test Management | | | | | | | |
| [CT01] | Create test | 1.Login success | 1.login  2.Choose Test tab  3.Click New button  4.Choose Questions tab  5.Choose type of questions for the test(can be reused or imported questions)  6.Naming test tittle | Display the test with title and questions. | Untested | 19-7-2013 | AnhAN |
| [CT02] | Edit test | 1.Login success  2.The test has created | 1.Login  2.Choose Test tab  3. Choose the test which you want to edit.  4.Edit content the test | 3. Display the test you chosen with its content.  4.Display the test you edited | Untested | 19-7-2013 | AnhAN |
| Module View Test Scores | | | | | | | |
| [VT01] | Analyze overall and partial scores of one, all or any subset of your students who took this test. | 1.Login success  2.The student made the test | 1.Login  2.Choose Test tab  3.Click New button  4.Choose Scores tab  5Search user(s) in this test | Analyze overall and partial scores of one, all or any subset of your students who took this test. | Untested | 19-7-2013 | AnhAN |
| Module Manage Tags | | | | | | | |
| [TT01] | Add tag to test | 1.login success  2.the tag is no exist | 1.Login  2.Choose Test tab  3.Click New button  4.Typing Add Tag textbox then enter | If the tag has not existed yet, it will be added beside textbox. | Untested | 19-7-2013 | AnhAN |
| [TT02] | Delete tag of test | 1.Login success  2.Existing the tags | 1.Login  2.Choose Test tab  3.Click New button  4.Choose the tag to delete. | The tag was deleted | Untested | 19-7-2013 | AnhAN |
| [QT01] | Add tag for question | 1.login  2.The test has created  3. the tag is no exist | 1.Login  2.Choose Test tab  3.Choose the test  4.Typing Add Tag textbox then enter | If the tag has not existed yet, it will be added beside textbox. | Untested | 19-7-2013 | AnhAN |
| [QT02] | Delete tag out of question | 1.Login success  2.The test has created  3. the tag is no exist | 1.Login  2.Choose Test tab  3.Choose the test  4.Choose the test of the question to delete | The tag was deleted out of question | Untested | 19-7-2013 | AnhAN |
| Module Feedbacks | | | | | | | |
| [TC-FB01] | [Teacher view Feedback]  With Teacher role, user can view ALL feedback of invited test on Test List that from ALL other users. | 1. Login success  2. Created particular test or was invited as “Teacher” role. | 1.Login  2.Search a test with Teacher role  3. | 1. Redirect to Test main pages with control panel: “Content”, “Setting”, “Invitation”, “Response”, “Score”, “Feedback” tabs.  2. In Feedback tab, there’re 2 child tabs:  + From Students  + From Teachers  3.Within “From Students” tab:  + All feedbacks and replies from user with Student role or replies to student by teacher, can order by date, by user (name, email)’s comment.  4. Within “From Teachers” tab:  + All feedbacks and replies from user with Teacher roles, can order by date, by user (name, email)’s comment. | Untested | 19-7-2013 | ThiBT |
| [TC-FB02] | [Comment within “From Student” tab]  With Teacher role, user can’t comment about this test with “nothing” | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2.Redirect to “From Student” tab  4.Scroll to the bottom, then input nothing to area text, then click “Send” button | Nothing happens, imply that user have to input at least 1 character for a right comment. | Untested | 19-7-2013 | ThiBT |
| [TC-FB03] | [Comment within “From Student” tab]  With Teacher role, user can’t comment about this test with over-1024-chars text. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2.Redirect to “From Student” tab  4.Scroll to the bottom, then input nothing to area text, then click “Send” button | Show warning message “Your message exceeds 1024 characters, please try again!” imply that user have to shorten for a right comment. | Untested | 19-7-2013 | ThiBT |
| [TC-FB04] | [Comment within “From Student” tab]  With Teacher role, user can comment about this test with [1, 1024] characters. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2.Redirect to “From Student” tab  4.Scroll to the bottom, then input to area text, then click “Send” button | Add this comment to the first line of all comments with:  + name: current Teacher name  + date time: current date time  + increase “All comments” by 1 | Untested | 19-7-2013 | ThiBT |
| [TC-FB05] | [Reply within “From Student” tab]  With Teacher role, user can give a reply for a comment about this test with “nothing” | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2. Redirect to “From Student” tab.  3. Scroll to the comment that user want to reply, then input nothing to area text, then click “Reply” button. | Nothing happens, imply that user have to input at least 1 character for a right reply. | Untested | 19-7-2013 | ThiBT |
| [TC-FB06] | [Reply within “From Student” tab]  With Teacher role, user can’t comment about this test with over-1024-chars text. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2. Redirect to “From Student” tab.  3. Scroll to the comment that user want to reply, then input over-1024-chars text to area text, then click “Reply” button. | Show warning message “Your message exceeds 1024 characters, please try again!” imply that user have to shorten for a right reply. | Untested | 19-7-2013 | ThiBT |
| [TC-FB07] | [Reply within “From Student” tab]  With Teacher role, user can comment about this test with [1, 1024] chars text. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2. Redirect to “From Student” tab.  3. Scroll to the comment that user wants to reply, and then input [1, 1024] chars text to area text, then click “Reply” button. | Add this reply to the last line of all replies with:  + name: current Teacher name  + content: inputted text | Untested | 19-7-2013 | ThiBT |
| [TC-FB08] | [Comment within “From Teacher” tab]  With Teacher role, user can’t comment about this test with “nothing” | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2.Redirect to “From Teacher” tab  4.Scroll to the bottom, then input nothing to area text, then click “Send” button | Nothing happens, imply that user have to input at least 1 character for a right comment. | Untested | 19-7-2013 | ThiBT |
| [TC-FB09] | [Comment within “From Teacher” tab]  With Teacher role, user can’t comment about this test with over-1024-chars text. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2.Redirect to “From Teacher” tab  4.Scroll to the bottom, then input nothing to area text, then click “Send” button | Show warning message “Your message exceeds 1024 characters, please try again!” imply that user have to shorten for a right comment. | Untested | 19-7-2013 | ThiBT |
| [TC-FB10] | [Comment within “From Teacher” tab]  With Teacher role, user can comment about this test with [1, 1024] characters. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2.Redirect to “From Teacher” tab  4.Scroll to the bottom, then input to area text, then click “Send” button | Add this comment to the first line of all comments with:  + name: current Teacher name  + date time: current date time  + increase “All comments” by 1 | Untested | 19-7-2013 | ThiBT |
| [TC-FB11] | [Reply within “From Teacher” tab]  With Teacher role, user can give a reply for a comment about this test with “nothing” | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2. Redirect to “From Student” tab.  3. Scroll to the comment that user want to reply, then input nothing to area text, then click “Reply” button. | Nothing happens, imply that user have to input at least 1 character for a right reply. | Untested | 19-7-2013 | ThiBT |
| [TC-FB12] | [Reply within “From Teacher” tab]  With Teacher role, user can’t comment about this test with over-1024-chars text. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2. Redirect to “From Teacher” tab.  3. Scroll to the comment that user want to reply, then input over-1024-chars text to area text, then click “Reply” button. | Show warning message “Your message exceeds 1024 characters, please try again!” imply that user have to shorten for a right reply. | Untested | 19-7-2013 | ThiBT |
| [TC-FB13] | [Reply within “From Student” tab]  With Teacher role, user can comment about this test with [1, 1024] chars text. | 1.Login success  2. Created or was invited to this test with Teacher role. | 1.Login  2. Redirect to “From Student” tab.  3. Scroll to the comment that user wants to reply, and then input [1, 1024] chars text to area text, then click “Reply” button. | Add this reply to the last line of all replies with:  + name: current Teacher name  + content: inputted text | Untested | 19-7-2013 | ThiBT |
| [TC-FB14] | With Teacher role, user can’t comment about this test with over-1024-chars text. | 1. Login success with Teacher role for a particular test. |  | Show Message: “  Username must not be empty.  Email Address must not be empty and follow format (aaa@bbb.ccc).  Password need to be at least 6 characters without special characters” | Untested | 19-7-2013 | ThiBT |
| Module Assign Tests to User | | | | | | | |
| [TC-FB15] | [Assign test to Student]  With Teacher role, user can assign one or many test to student. | 1. Login success with Teacher role for a particular test. | 1.Login  2. Redirect to student Page  3. In User search box, search for student.  4. When that student available, search a test.  5. When auto-complete popup appears, click on particular test for assign this to student. | 1. If searched student’s available, he or she will be appeared in popup auto-complete search.  2.Click on student, the student information will be filled into :  +Full name field  +Email Address field  +All tests that was assigned to.  3. When click on test, it will be assigned.  4.”Unassign” button will be merged right by with test.  5. Users can add as many as test they want. | Untested | 18-7-2012 | ThiBT |
| [TC-FB16] | [Assign test to Teacher]  With Teacher role, user can assign one or many test teacher. | 1. Login success with Teacher role for a particular test. | 1.Login  2. Redirect to teacher Page  3. In User search box, search for teacher.  4. When that teacher available, search a test.  5. When auto-complete popup appears, click on particular test for assign this to teacher. | 1. If searched teacher’s available, he or she will be appeared in popup auto-complete search.  2.Click on that teacher, the teacher information will be filled into :  +Full name field  +Email Address field  3. When click on test, it will be assigned.  4.”Unassign” button will be merged right by with this test.  5. Users can add as many as test they want. | Untested | 18-7-2012 | ThiBT |
| [TC-FB17] | [Unassigned test to Student] With Teacher role, users can un-assign one or many test to student. | 1. Login success with Teacher role for a particular test. | 1. Login  2. Redirect to student Page  3. Input into User search box for particular Student. | 1. If searched student’s available, he or she will be appeared in popup auto-complete search.  2.Click on student, the student information will be filled into :  +Full name field  +Email Address field  +All tests that were assigned to.  3. With any test that was assigned, when click on “Unassigned Test” button, it will be unassigned.  4. Users can unassign as many as test they want. | Untested | 18-7-2012 | ThiBT |
| [TC-FB18] | [Unassigned test to Teacher] With Teacher role, users can unassign one or many tests to teacher. | 1. Login success with Teacher role for a particular test. | 1. Login  2. Redirect to teacher page  3. Input into User search box for particular teacher. | 1. If searched teacher’s available, he or she will be appeared in popup auto-complete search.  2.Click on that teacher, he or she information will be filled into :  +Full name field  +Email Address field  +All tests that were assigned to.  3. With any test that was assigned, when click on “Unassigned Test” button, it will be unassigned.  4. Users can unassign as many as test they want. | Untested | 18-7-2012 | ThiBT |

### Student

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Pre-Conditions** | **Test Case Procedure** | **Expected Output** | **Result** | **Test Date** | **Note** |
| Module Do Test | | | | | | | |
| [DT01] | Do test and submit | - Account test must be assigned to a test are running | 1.Login to homepage  2.Click “Test List” tab  3.Click the test “Lession 123” in “Running Test” tab  4.Fill or check all answer  5.Click “Submit” button | 3.Redirect to “Do Test” page  5.Show message: “Submit test was success”, save result to database and redirect to homepage. | Untested | 21-07-2013 | TanND |
| [DT02] | Don’t fill and check any answer | - Account test must be assigned to a test are running | 1.Login to homepage  2.Click “Test List” tab  3.Click the test “Lession 123” in “Running Test” tab  4.Don’t fill or check all answer  5.Click “Submit” button | 5.Show message: “Submit test was success”, save result to database and redirect to homepage. | Untested | 21-07-2013 | TanND |
| [DT03] | Do test but not submit | - Account test must be assigned to a test are running | 1.Login to homepage  2.Click “Test List” tab  3.Click the test “Lession 123” in “Running Test” tab  4.Fill or check all answer  5.Click “OAST” button. | 5.Redirect to homepage and don’t save anything to database. | Untested | 21-07-2013 | TanND |
| Module View History of Test | | | | | | | |
| [HT01] | View History of Test | - Account test must take a test. Setting student can view report is active | 1.Click "Log in" button  2.Click “Test List” tab  3.Click “Recent Tests” tab  4.Click “View Test History” icon | 4.Redirect to “Test History” page | Untested | 21-07-2013 | TanND |
| [HT02] | Test Case Description | Pre-Conditions | Test Case Procedure | Expected Output | Result | Test Date | Note |
| Module Feedbacks | | | | | | | |
| [ST-FB01] | [Student view Feedback]  With Student role, user can view feedback of invited test on Test List that from JUST other students.  Depend on the end time of this test, it appears at Recent, Running or Upcoming Test. | 1.Login success  2. Was invited to this test with Student role. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  F | A popup was shown with these information:  + Feedback on “name of current Test” as title of popup  + All comments “total count of feedback” as number of feedback for current test from users with student role.  + With each feedback, lists author, date time, text, and reply text of current feedback.  + Close button: Close popup, then redirect previous page. | Untested | 19-7-2013 | ThiBT |
| [ST-FB02] | [Student Comment]  With Student role, user can’t comment about this test with “nothing” | 1.Login success  2.Was invited to this test with Student role. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  4.Scroll to the bottom, then input nothing to area text, then click “Send” button | Nothing happens, imply that user have to input at least 1 character for a right comment. | Untested | 19-7-2013 | ThiBT |
| [ST-FB03] | [Student Comment]  With Student role, user can’t comment about this test with over-1024-chars text. | 1.Login success  2. Was invited to this test with Student role. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  4. Scroll to the bottom, then input over-1024-chars text to area text, then click “Send” button. | Show warning message “Your message exceeds 1024 characters, please try again!” imply that user have to shorten for a right comment. | Untested | 19-7-2013 | ThiBT |
| [ST-FB04] | [Student Comment]  With Student role, user can do a comment about this test with [1, 1024] characters. | 1.Login success  2. Was invited to this test with Student role.  3. Done this test. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  4. Scroll to the bottom, then input nothing to area text, then click “Send” button. | Add this comment to the first line of all comments with:  + name: current Student name  + date time: current date time  + increase “All comments” by 1 | Untested | 19-7-2013 | ThiBT |
| [ST-FB05] | [Student Reply]  With Student role, user can do a reply for a comment about this test with “nothing” | 1.Login success  2. Was invited to this test with Student role. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  4. Scroll to the comment that user want to reply, then input nothing to area text, then click “Reply” button. | Nothing happens, imply that user have to input at least 1 character for a right reply. | Untested | 19-7-2013 | ThiBT |
| [ST-FB06] | [Student Reply]  With Student role, user can’t reply for a comment about this test with over-1024-chars text. | 1.Login success  2. Was invited to this test with Student role. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  4. Scroll to the comment that user want to reply, then input nothing to area text, then click “Reply” button. | Show warning message “Your message exceeds 1024 characters, please try again!” imply that user have to shorten for a right reply. | Untested | 19-7-2013 | ThiBT |
| [ST-FB07] | [Student Reply]  With Student role, user can reply for a comment about this test with [1, 1024] characters. | 1.Login success  2. Was invited to this test with Student role. | 1.Login  2.Click on “Test List” tab  3. Chose particular Test Feedback Icon.  4. Scroll to the comment that user want to reply, then input nothing to area text, then click “Reply” button. | Add this reply to the last line of all replies with:  + name: current Student name  + content: inputted text | Untested | 19-7-2013 | ThiBT |

## CHECKLISTS

### CHECKLIST OF VALIDATION

|  |  |  |
| --- | --- | --- |
| **No.** | **Question** | **Yes/No** |
| 1 | Check the maximum field lengths to ensure that there are no truncated characters? |  |
| 2 | Where the database requires a value (other than null) then this should be defaulted into fields. |  |
| 3 | The user must either enter an alternative valid value or leave the default value intact. |  |
| 4 | If a set of radio buttons represent a fixed set of values such as A, B and C then what happens if a blank value is retrieved from the database? |  |
| 5 | If a particular set of data is saved to the database check that each value gets saved fully to the database. |  |
| 6 | Does a failure of validation on every field cause a sensible user error message? |  |
| 7 | Is the user required to fix entries, which have failed validation tests? |  |
| 8 | Have any fields got multiple validation rules and if so are all rules being applied? |  |
| 9 | If the user enters an invalid value and clicks on the OK, is the invalid entry identified and highlighted correctly with an error message? |  |
| 10 | Is validation consistently applied at screen level unless specifically required at field level? |  |
| 11 | For all numeric fields check whether negative numbers can and should be able to be entered. |  |
| 12 | For all numeric fields check the minimum and maximum values and also some mid-range values allowable? |  |
| 13 | For all character/alphanumeric fields check the field to ensure that there is a character limit specified and that this limit is exactly correct for the specified database size? |  |
| 14 | Do all mandatory fields require user input? |  |
| 15 | If any of the database columns don’t allow null values then the corresponding screen fields must be mandatory. (If any field which initially was mandatory has become optional then check whether null values are allowed in this field.) |  |

### SUBMISSION CHECKLIST

N/A

## OTHER MATERIAL

### TEST RESULT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module** | **Pass** | **Fail** | **Untested** | **Number of test cases** |
| Total |  |  | 82 | 82 |
| Guest – Register |  |  | 6 | 6 |
| Guest – Login |  |  | 5 | 5 |
| User - Searching |  |  | 2 | 2 |
| User- Manage Personal Information |  |  | 10 | 10 |
| User- View Tests on Calendar Schedule |  |  | 7 | 7 |
| User- Test List View |  |  | 3 | 3 |
| Teacher- Test Settings |  |  | 3 | 3 |
| Teacher- Invitation |  |  | 3 | 3 |
| Teacher Test Management |  |  | 2 | 2 |
| Teacher- View Test Responses |  |  | 1 | 1 |
| Teacher- View Test Scores |  |  | 3 | 3 |
| Teacher- Manage Tags |  |  | 4 | 4 |
| Teacher- Feedbacks |  |  | 17 | 17 |
| Teacher- Assign Tests to User |  |  | 4 | 4 |
| Student- Do Test |  |  | 3 | 3 |
| Student- View History of Test |  |  | 2 | 2 |
| Student- Feedbacks |  |  | 7 | 7 |

### INCIDENT REPORT

N/A