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| **E:\My Documents\Desktop\Logo_FPT_University_doc.jpgMinistry of education and training** |
| Software Test Documentation |
| FPT Management Training Process |
|  |
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| **Ho Chi Minh, 01st March, 2012** |

**Record of Changes**

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# Introduction

## System Overview

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

The system will be tested is also the system our team are currently developing. This system is developed based on Dot Net framework 4.0 and Three Tiers Architecture. It is a website using for helping FPT University’s staffs manage their training process. The system has similarities with other training management system.

## Test Approach

The testing for this project will consist of Unit, System/Integration (combined) and Acceptance test levels. It is hoped that there will be at least one full time independent test person for system/integration testing. Most testing will be done by the test manager with the development team’s participation.

Unit Testing will be done by the developers and will be approved by the implementing team leader. All unit test information (sample, output, data printouts, and defect information…) will be managed by developers and it must be showed when team required.

System/Integration Testing will be performed by the test manager and implementing team leader with assistance from the individual developers as required.

Acceptance Testing will be performed by the test manager and development team leader. The acceptance test will be done for a period of 2 weeks after completion of the System/Integration test process. Programs will enter into Acceptance test after all critical and major defects have been corrected. A program may have one major defect as long as it does not obstruct testing of the program (There is a work around for the error). Prior to final completion of acceptance testing all open critical and major defects must be corrected.

# Test Plan

## Features to be tested

The following is a list of areas to be focus on during testing of website

### Admin – Manage System User

Test all functions in Manage System User page includes

* List users.
* Reset password for user.
* Import users.
* Auto suggests System User.

### Admin – Manage Staff

Test all functions in Manage Staff page includes:

* List staff.
* Add and edit staff.
* Validation and checking unique constrants.
* Auto suggests.

### User – Common Functions

Test all functions in Staff common functions includes:

* Login.
* Logout.
* Forgot password.
* Changing password.
* Edit private information.

### Staff – Report Student’s Grades

Test all functions in Report Student page includes:

* Auto suggests student to report.
* Auto suggests semester to report.
* List and Filter subjects’ grade of a student.
* Export grade reports for student.

### Staff – Report List of Students

Test all functions in Student page includes:

* Auto suggests semester to report.
* Auto suggests subject to report.
* Auto suggests class to report.
* List and Filter students’ grade information
* Export grade reports for list students.

### Staff – Report Mail Sent

Test all functions in Report Mail Sent page includes:

* Auto suggests student to report.
* List and filter status of mail sent.

### Staff – Report Subject by Chart

Test all functions in Report by Chart page includes:

* Auto suggests subject to report.
* View Pie chart grade statistic of subject.

### Staff – Import Student Grade Information

Test Import Grade page includes:

* Validate file import and data.
* Import data into system.

### Staff – Import Students

Test Import Student page includes:

* Validate file import and data.
* Import students’ information into system.

### Staff – Import Subjects

Test Import Subject page includes:

* Validate file import and data.
* Import subjects’ information into system.

### Staff – Import Semester

Test Import Student page includes:

* Validate file import and data.
* Import semester’s information into system.

### Staff – Import Class

Test Import Student page includes:

* Validate file import and data.
* Import classes’ information into system.

### Staff – Manage Student

Test Manage Student page includes:

* List student
* Create new Student
* Edit basic Student’s information
* Validation data and cheking unique constrants.
* Auto suggests.

### Staff – Manage Student Grade

Test Gradef page includes:

* List Student’s Grade
* Add new Student’s Grade and update Student information
* Edit Student’s Grade and update Student information
* Validation data and cheking unique constrants.
* Auto suggests.
* Grading

### Staff – Manage Subject

Test all functions in Manage Subject page includes:

* List subjects.
* Create new subject.
* Edit subject’s information.
* Validation data and checking unique constrants.
* Auto suggests.

### Staff – Manage Semester

Test all functions in Manage Semester page includes:

* List semesters.
* Create new semester.
* Edit semester’s information.
* Validation data and checking unique constrants.
* Auto suggests.

### Staff – Manage Class

Test all functions in Manage Class page includes:

* List classes.
* Create new class.
* Edit class’s information.
* Validation data and checking unique constrants.
* Auto suggests.

### Staff – Manage Major

Test all functions in Manage Major page includes:

* List majors.
* Create new major.
* Edit major’s information.
* Validation data and checking unique constrants.
* Auto suggests.

### Staff – Manage Special

Test all functions in Manage Special page includes:

* List special.
* Create new special.
* Edit special’s information.
* Validation data and checking unique constrants.
* Auto suggests.

### Staff – Manage Mode of Study

Test all functions in Manage Mode of Study page includes:

* List Mode of Study.
* Create new Mode of Study.
* Edit Mode of Study’s information.
* Validation data and checking unique constrants.
* Auto suggests.

### Staff – Manage Subject Category

Test all functions in Manage Subject Category page includes:

* List Subject Category.
* Create new Subject Category.
* Edit Subject Category.
* Validation data and checking unique constrants.
* Auto suggests.

### Student – View Private Grades

Test all functions in Report Private Student page includes:

* Auto suggests semester to report.
* Auto suggests subject to report.
* List and Filter subjects’ grade of student.
* Export grade reports for student.
* Edit private information.

### System – Auto Sent Report by Email

Test all functions in system includes:

* Auto sent grade reports by email for student.
* Auto log error and update sending mail status.

### System – Auto Grading

Test all functions in system include:

* Auto grading grade information for student.

## Features not to be tested

The following is a list of the areas that will not be tested in this system:



### Network Connection & Security

With each user, it will be different. We only ensure that this system will affect to network.

### Performance

There wasn’t enough time so we can’t optimize source code and improve performance. We can only ensure the system work well but not at its best performance.

### Edit Staff Private Information.

## Test Cases



### Admin – Manage System User

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Admin role. 2. Choosing "**System User**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest System User** | | | | | | | |
| [MSU-1] | Test **Auto Suggest System User** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of System user which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + User’s full name  + Tooltip includes: User Account, Roles of User + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MSU-2] | Test **Auto Suggest System User** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MSU-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MSU-1] | Pass | 21/03/2012 | TrucTM |
| [MSU-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module Reset Password for System User** | | | | | | | |
| [MSU-5] | Test **Reset Password for System User** when success | - Click reset password in Grid view Data | - Password of System User has been changed after click reset password.  - New password has been sent by email of this user  - Report that password has changed successful.  Check in BD |  | Pass | 21/03/2012 | TrucTM |
| [MSU-6] | Test **Reset Password for System User** when fail | - Click reset password in Grid view Data | - Report that password don’t changed for some reasons:  1. "System User’s mail is not validate." when email is not validate.  2. "Connection fail." when system cannot connect to DB, system cannot connect with email server. |  | Pass | 21/03/2012 | TrucTM |
| **Module List System User’s Information** | | | | | | | |
| [MSU-7] | Test **List System User’s Information** at the first time visit | Visit System User Page at the first time | System User Page will list System User Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - System User's full name  - User name  - Role  - Note  - Status  - Reset password image link |  | Pass | 21/03/2012 | TrucTM |
| [MSU-8] | Test **List System User’s Information** after click "Search" Image button | Admin Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MSU-1] | Pass | 21/03/2012 | TrucTM |
| [MSU-9] | Test **List System User’s Information** after the first time but login session still alive | Visit System User Page after first time | Grid view will display information base on lasted visit. | [MSU-8] and [MSU-7] | Pass | 21/03/2012 | TrucTM |
| [MSU-10] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MSU-9]  and  [MSU-8] and [MSU-7] | Pass | 21/03/2012 | TrucTM |
| **Module Order System User Information** | | | | | | | |
| [MSU-11] | Test **Oder System User Information** | Click on header of each column | Grid view will display data after Oder. System has two statuses: increment and descent. | Module List System User’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Import System User** | | | | | | | |
| [MSU-12] | Test **Import System User** successfully. | Click import "Import" Image button. | 1. Popup will appear with content: "Are you sure You want to import System User" 2. Popup will be closed. System will import System User from Student table and Staff table if doesn't exist.  3. Popup will be shown. "You has imported n System User". (n number of record)  Check in DB. |  | Pass | 21/03/2012 | TrucTM |

### Admin – Manage Staff

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Admin role. 2. Choosing "**Staff**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Staff** | | | | | | | |
| [MS-1] | Test **Auto Suggest Staff** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Staff which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + User’s full name  + Tooltip includes: Full name, Account, Email, Phone + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MS-2] | Test **Auto Suggest Staff** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  |  |  |  |
| [MS-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MS-1] | Pass | 21/03/2012 | TrucTM |
| [MS-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Staff’s Information** | | | | | | | |
| [MS-5] | Test **List Staff’s Information** at the first time visit | Visit Staff Page at the first time | Staff Page will list Staff Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - Staff's full name  - Account  - Email  - Phone  - Note  - Status  - Edit Staff Image link button |  | Pass | 21/03/2012 | TrucTM |
| [MS-6] | Test **List Staff’s Information** after click "Search" Image button | Admin Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MS-1] | Pass | 21/03/2012 | TrucTM |
| [MS-7] | Test **List Staff’s Information** after the first time but login session still alive | Visit Staff Page after first time | Grid view will display information base on lasted visit. | [MS-6] and  [MS-5] | Pass | 21/03/2012 | TrucTM |
| [MS-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MS-7]  and  [MS-6] and  [MS-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Staff Information** | | | | | | | |
| [MS-9] | Test **Oder Staff Information** | Click on header of each column | Grid view will display data after Oder. System has two statuses: increment and descent. | Module List Staff’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Staff** | | | | | | | |
| [MS-10] | Create new Staff success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Staff" will be appeared.  2. Admin fills information and click "Add" button.  3. Light box will be closed and popup "Add new Staff successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS-14]  And  [MS-13] | Pass | 21/03/2012 | TrucTM |
| [MS-11] | Create new Staff fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Staff" will be appeared.  2. Admin fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate staff Account!"  4. Click "OK", popup will be closed. | [MS-14]  And  [MS-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Staff** | | | | | | | |
| [MS-12] | Edit Staff success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Staff" will be appeared.  2. Admin fills information and click "Update" button.  3. Light box will be closed and popup "Edit Staff successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS-14]  And  [MS-13] | Pass | 21/03/2012 | TrucTM |
| [MS-13] | Edit Staff fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Staff" will be appeared.  2. Admin fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate staff Account!"  4. Click "OK", popup will be closed. | [MS-14]  And  [MS-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MS-14] | Test **Validation Data**. | Admin fill staff information | 1. Account. String, max length is 200 and not empty. Account contains abbreviate of full name and number of account if duplicate.  Ex: Full name: Trần Minh Trực. Account tructm00.  2. Full name. String, max length is 200 and not empty.  3. Email. String, max length is 200 and not empty. Same with account.  4. Staff Identity. String, max length is 20 and not empty  5. Phone. String, max length is 20, format constraint (000) 0000000 or (0000) 0000000.  6. Note. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MS-15] | Test **Checking unique constraint** successfully. | Admin click "Add" or "Update" staff information | System checking Account in DB.  1. If admin add new staff with account has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate staff Account!"  2. If admin edit staff with account has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate staff Account!" |  | Pass | 21/03/2012 | TrucTM |

### User – Common Functions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **Note** |
| **Module Login** | | | | | | | |
| **Steps** 1. User using application 2. If user not login, system will redirect to home page for login | | | | | | | |
| [CM-1] | Test filling username and password | User leaves empty username or password or both and click "Login" button | System will display message that User must fill username and password |  |  |  |  |
| [CM-2] | Test **Login** when success | User fill username and password and click "Login" button | System will check DB. If checking successfully, system will redirect to  1. If User login with Admin role, system will redirect to Manage System User page  2. If User login with Staff role, system will redirect to manage student page  3. If User login with Student role, system will redirect to report student grade page. | [CM-1] | Pass | 21/03/2012 | TrucTM |
| [CM-3] | Test **Login** when fail | User fill username and password and click "Login" button | System will check DB. If checking failure, system will report that "Incorrect Username and password." | [CM-1] | Pass | 21/03/2012 | TrucTM |
| **Module Logout** | | | | | | | |
| **Steps** 1. User Login into system 2. User click "Logout" button at any page. | | | | | | | |
| [CM-4] | Test **Logout** | Click "Logout" button at the left top of any page. | System will redirect to home page and session has been removed. | [CM-2] | Pass | 21/03/2012 | TrucTM |
| **Module Forgot password** | | | | | | | |
| **Steps** 1. User uses System. 2. User click "Forgot password" link button. | | | | | | | |
| [CM-5] | Test filling username and identify | User leaves empty username or password or both and click "Send by email" button | System will display message that User must fill username and identify |  | Pass | 21/03/2012 | TrucTM |
| [CM-6] | Test **forgot password** when success | User fill username and password and click "Send by email" button | System will check DB. If checking successfully, system will reset password of this user and send password by email.  Checking email and DB | [CM-5] | Pass | 21/03/2012 | TrucTM |
| [CM-7] | Test **forgot password** when fail | User fill username and password and click "Send by email" button | System will check DB. If checking failure, system will report that "Incorrect Username and Identify." | [CM-5] | Pass | 21/03/2012 | TrucTM |
| **Module Change password** | | | | | | | |
| **Steps** 1. User login into system. 2. User click "change password" link button.  3. Light box "Change password" appear. | | | | | | | |
| [CM-8] | Test **Change Password** when failure | User fill the old password and type twice new password and click "Change password" button. | System will check DB. If incorrect old password, system will report "Your old password is incorrect". If new password doesn't match together system will report "Password doesn't match". | [CM-5] | Pass | 21/03/2012 | TrucTM |
| [CM-9] | Test **Change Password** when success | User fill the old password and type twice new password | System will check DB. If information is correct, light box will be closed and password has been changed.  Checking DB. | [CM-5] | Pass | 21/03/2012 | TrucTM |

### Staff – Report Student’s Grades

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Report Student Grade**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Student** | | | | | | | |
| [RSG-1] | Test **Auto Suggest Student** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of students which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Student’s full name  + Tooltip includes: student’s account, date of birth, email. + A “Load More” button at the end of the list. |  | Pass | 24/3/2012 | LongNH |
| [RSG-2] | Test **Auto Suggest Student** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 24/3/2012 | LongNH |
| [RSG-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results wiil be loaded into list. | [RSG-1] | Pass | 24/3/2012 | LongNH |
| [RSG-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| **Module Auto Suggest Semester** | | | | | | | |
| [RSG-5] | Test **Auto Suggest Semester** when have data | - Type at least two letters in “Semester” text box in the left side of page. | - Appear a list of semesters which have semester name contains the typed letter in text box “Semester” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Semester name  + Tooltip includes: semester name english, start time, end time. + A “Load More” button at the end of the list. |  | Pass | 24/3/2012 | LongNH |
| [RSG-6] | Test **Auto Suggest Semester** when don’t have data | - Type at least two letters in “Semester” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 24/3/2012 | LongNH |
| [RSG-7] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results wiil be loaded into list. | [RSG-5] | Pass | 24/3/2012 | LongNH |
| [RSG-8] | Test **See All** button | - Click to "See All" button next to the right side of “Semester” text box. | First page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| **Module List and Filter Subject’s Grade of Student** | | | | | | | |
| [RSG-9] | Test Filter By Student | - Using module auto suggest student to select the right student.  - Click “Search” button | - "Student Name" is highlighted by Orange color in the top of table**. -** Report Student page is displayed with the folowing informations: - Title: Report of Student Grade  - Add new Grade link button  - A label shows the number of pass credits, fail credits, pass subjects, fail subjects and average grade of this student. - A table contains all subjects’ grade information about the student with columns: + Subject Name: contains subjects' name + Semester: contains semester’s name. + Grade: contains grade of the subject.  + Status: contains status of the subject  + Edit: contains edit image button - Buttons: first page, last page, previous page, next page, Export report #1, Export report #2 - List number of pages  - Two check boxes for sent mail the report.  - Pie chart report about the grade statistic. | [RSG-1] | Pass | 24/3/2012 | LongNH |
| [RGS-10] | Test Filter By Semester and Subject Status | - Using module auto suggest semester to select the right semester.  - Select the status you want to filter in Subject status dropdownlist.  - Click “Search” button | **-** "Student Name" is highlighted by Orange color in the top of table**. -** Report Student page is displayed with the folowing informations: - Title: Report of Student Grade  - Add new Grade link button  - A label shows the number of pass credits, fail credits, pass subjects, fail subjects and average grade of this student. - A table contains all subjects’ grade information about the student which appropriate with the semester and subject status filter conditions includes these columns: + Subject Name: contains subjects' name + Semester: contains semester’s name. + Grade: contains grade of the subject.  + Status: contains status of the subject  + Edit: contains edit image button - Buttons: first page, last page, previous page, next page, Export report #1, Export report #2 - List number of pages  - Two check boxes for sent mail the report.  - Pie chart report about the grade statistic. | [RSG-9], [RSG-5] | Pass | 24/3/2012 | LongNH |
| [RGS-11] | Test Filter with no result | - Using module auto suggest student to select the right student.  - Click “Search” button | **-** "Student Name" is highlighted by Orange color in the top of table**. -** Report Student page is displayed with the folowing informations: - Title: Report of Student Grade  - Add new Grade link button  - A table “no matching record found” appears which includes these columns: + Subject Name: contains subjects' name + Semester: contains semester’s name. + Grade: contains grade of the subject.  + Status: contains status of the subject  + Edit: contains edit image button | [RSG-1] | Pass | 24/3/2012 | LongNH |
| [RSG-12] | Test Previous page button | - Click to "Previous page" button when current displayed page is larger than 1 | Previous page of current page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RSG-13] | Test Next page button | - Click to "Next page" button when current displayed page is smaller than max page | Next page of current page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RSG-14] | Test Last page button | - Click to "Last page" button when current displayed page is smaller than max page | Last page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RSG-15] | Test index of page | - Click to index page at the bottom | Index page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| **Module Export Grade Reports for Student** | | | | | | | |
| [RSG-16] | Export Report #1 | - Click to "Export" image button #1 at top of table in Report Student page. | - Web page returns the report #1 in excel format for user to download. | [RSG-9] | Pass | 24/3/2012 | LongNH |
| [RSG-17] | Export Report #2 | - Click to "Export" image button #2 at top of table in Report Student page. | - Web page returns the report #2 in excel format for user to download. | [RSG-9] | Pass | 24/3/2012 | LongNH |

### Staff – Report List of Students

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | | **Test Case Procedure** | | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Report List Students Grade**" tab in the top menu. | | | | | | | | | |
| **Module Auto Suggest Semester** | | | | | | | | | |
| [RLS-1] | Test **Auto Suggest Semester** when have data | | - Type at least two letters in “Semester” text box in the left side of page. | | - Appear a list of semesters which have semester name contains the typed letter in text box “Semester” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Semester name  + Tooltip includes: semester name english, start time, end time. + A “Load More” button at the end of the list. |  | Pass | 24/3/2012 | LongNH |
| [RLS-2] | Test **Auto Suggest Semester** when don’t have data | | - Type at least two letters in “Semester” text box in the left side of page. | | - “no result” text is displayed. |  | Pass | 24/3/2012 | LongNH |
| [RLS-3] | Test **Load More** button | | - Click to "Load More" button at the end of list result. | | - At most three next results wiil be loaded into list. | [RLS-1] | Pass | 24/3/2012 | LongNH |
| [RLS-4] | Test **See All** button | | - Click to "See All" button next to the right side of “Semester” text box. | | First page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| **Module Auto Suggest Subject** | | | | | | | | | |
| [RLS -5] | Test **Auto Suggest Subject** when have data | - Type at least two letters in “Subject” text box in the left side of page. | | - Appear a list of Subject swhich have Subject name contains the typed letter in text box “Subject” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Subject name  + Tooltip includes: Subject name english, Credit, IsOptional. + A “Load More” button at the end of the list. | |  | Pass | 24/3/2012 | LongNH |
| [RLS -6] | Test **Auto Suggest Subject** when don’t have data | - Type at least two letters in “Subject” text box in the left side of page. | | - “no result” text is displayed. | |  | Pass | 24/3/2012 | LongNH |
| [RLS -7] | Test **Load More** button | - Click to "Load More" button at the end of list result. | | - At most three next results wiil be loaded into list. | | [RSG-5] | Pass | 24/3/2012 | LongNH |
| [RLS -8] | Test **See All** button | - Click to "See All" button next to the right side of “Subject” text box. | | First page will be displayed with content | |  | Pass | 24/3/2012 | LongNH |
| **Module Auto Suggest Class** | | | | | | | | | |
| [RLS -9] | Test **Auto Suggest Class** when have data | - Type at least two letters in “Class” text box in the left side of page. | | - Appear a list of Classes which have Class name contains the typed letter in text box “Class” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Class name  + Tooltip includes: Class name. + A “Load More” button at the end of the list. | |  | Pass | 24/3/2012 | LongNH |
| [RLS -10] | Test **Auto Suggest Class** when don’t have data | - Type at least two letters in “Class” text box in the left side of page. | | - “no result” text is displayed. | |  | Pass | 24/3/2012 | LongNH |
| [RLS -11] | Test **Load More** button | - Click to "Load More" button at the end of list result. | | - At most three next results wiil be loaded into list. | | [RSG-5] | Pass | 24/3/2012 | LongNH |
| [RLS -12] | Test **See All** button | - Click to "See All" button next to the right side of “Class” text box. | | First page will be displayed with content | |  | Pass | 24/3/2012 | LongNH |
| **Module List and Filter students’ grade information** | | | | | | | | | |
| [RLS -13] | Test Filter By Semester | | - Using module auto suggest semester to select the right semester.  - Click “Search” button | | **-** Report List Students page is displayed with the folowing informations: - Title: Report Student - Add Student link button  - A table contains all students have studyed in the filter semester with columns: + Full Name: contains Student’s name + Semester: contains semester’s name. + Account: contains student’s account.  + Major: contains Major of this student.  + Total Credit Pass of this student.  + Total Credit Fail of this student.  + Average Grade of this student.  + Export: contains Export image button. - Buttons: first page, last page, previous page, next page, Export report #1 - List number of pages  - Check box for sent mail the report.  - Column chart report about the Students’ Grade statistic. | [RLS-1] | Pass | 24/3/2012 | LongNH |
| [RLS -14] | Test Filter By Subject | | - Using module auto suggest Subject to select the right Subject.  - Click “Search” button | | **-** Report List Students page is displayed with the folowing informations: - Title: Report Student - Add Student link button  - A table contains all students have studyed the filter subject with columns: + Full Name: contains Student’s name + Semester: contains semester’s name. + Account: contains student’s account.  + Major: contains Major of this student.  + Total Credit Pass of this student.  + Total Credit Fail of this student.  + Average Grade of this student.  + Export: contains Export image button. - Buttons: first page, last page, previous page, next page, Export report #1 - List number of pages  - Check box for sent mail the report.  - Column chart report about the Students’ Grade statistic. | [RLS-5] | Pass | 24/3/2012 | LongNH |
| [RLS -15] | Test Filter By Class | | - Using module auto suggest Class to select the right Class.  - Click “Search” button | | **-** Report List Students page is displayed with the folowing informations: - Title: Report Student - Add Student link button  - A table contains all students have studyed in the filter Class with columns: + Full Name: contains Student’s name + Semester: contains semester’s name. + Account: contains student’s account.  + Major: contains Major of this student.  + Total Credit Pass of this student.  + Total Credit Fail of this student.  + Average Grade of this student.  + Export: contains Export image button. - Buttons: first page, last page, previous page, next page, Export report #1 - List number of pages  - Check box for sent mail the report.  - Column chart report about the Students’ Grade statistic. | [RLS-9] | Pass | 24/3/2012 | LongNH |
| [RLS -16] | Test Filter with no result | | - Choose filter conditions  - Click “Search” button | | **-** Report List Student page is displayed with the folowing informations: - Title: Report Student - Add Student link button  - A table “no matching record found” appears which includes these columns:  + Full Name: contains Student’s name + Semester: contains semester’s name. + Account: contains student’s account.  + Major: contains Major of this student.  + Total Credit Pass of this student.  + Total Credit Fail of this student.  + Average Grade of this student.  + Export: contains Export image button. |  | Pass | 24/3/2012 | LongNH |
| [RLS -17] | Test Previous page button | | - Click to "Previous page" button when current displayed page is larger than 1 | | Previous page of current page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RLS -18] | Test Next page button | | - Click to "Next page" button when current displayed page is smaller than max page | | Next page of current page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RLS -19] | Test Last page button | | - Click to "Last page" button when current displayed page is smaller than max page | | Last page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RLS -20] | Test index of page | | - Click to index page at the bottom | | Index page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
|  |  | |  | |  |  |  |  |  |
| **Module Export Grade Reports for List Students** | | | | | | | | | |
| [RLS-21] | Export Report | | - Click to "Export" image button at top of table in Report List Students page. | | - Web page returns the reports of all students in table with rar format for user to download. | [RLS-13,14,15] | Pass | 24/3/2012 | LongNH |

### Staff – Report Mail Sent

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Report Mail Send**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Student** | | | | | | | |
| [RMS-1] | Test **Auto Suggest Student** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of students which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Student’s full name  + Tooltip includes: student’s account, date of birth, email. + A “Load More” button at the end of the list. |  | Pass | 24/3/2012 | LongNH |
| [RMS -2] | Test **Auto Suggest Student** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 24/3/2012 | LongNH |
| [RMS -3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results wiil be loaded into list. | [RMS -1] | Pass | 24/3/2012 | LongNH |
| [RMS -4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| **Module List and Filter status of mail** | | | | | | | |
| [RMS-5] | Test Filter By Student | - Using module auto suggest student to select the right semester.  - Click “Search” button | **-** Report Mail Sent page is displayed with the folowing informations: - Title: Report of Set Mail Status  - A table contains all mail sent status belong to this filter student with columns: + Student Name: contains Student’s name + Account: contains student’s account.  + Status: The status of sending mail, passor fail.  + Time: Time when mail was sent.  + Description: the detail of status.  - Buttons: first page, last page, previous page, next page. - List number of pages | [RMS-1] | Pass | 24/3/2012 | LongNH |
| [RMS-6] | Test Filter By Time | - Type “date from” and “date to” into text field in the filter box.  - Click “Search” button | **-** Report Mail Sent page is displayed with the folowing informations: - Title: Report of Set Mail Status  - A table contains all mail sent status from “date from” to “Date to” filter with columns: + Student Name: contains Student’s name + Account: contains student’s account.  + Status: The status of sending mail, passor fail.  + Time: Time when mail was sent.  + Description: the detail of status.  - Buttons: first page, last page, previous page, next page. - List number of pages |  | Pass | 24/3/2012 | LongNH |
| [RMS-7] | Test Filter By Status | - Select the status in Dropdownlist Status you want to filter (Pass/Fail)  - Click “Search” button | **-** Report Mail Sent page is displayed with the folowing informations: - Title: Report of Set Mail Status  - A table contains all mail sent which have status equal with the filter status with columns: + Student Name: contains Student’s name + Account: contains student’s account.  + Status: The status of sending mail, passor fail.  + Time: Time when mail was sent.  + Description: the detail of status.  - Buttons: first page, last page, previous page, next page. - List number of pages |  | Pass | 24/3/2012 | LongNH |
| [RMS-8] | Test Filter with no result | - Choose filter conditions  - Click “Search” button | **-** Report Mail Sent page is displayed with the folowing informations: - Title: Report of Set Mail Status  - A table “No matching record found” appears with columns:  + Student Name: contains Student’s name + Account: contains student’s account.  + Status: The status of sending mail, passor fail.  + Time: Time when mail was sent.  + Description: the detail of status.  - Buttons: first page, last page, previous page, next page. - List number of pages |  | Pass | 24/3/2012 | LongNH |
| [RMS-9] | Test Previous page button | - Click to "Previous page" button when current displayed page is larger than 1 | Previous page of current page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RMS-10] | Test Next page button | - Click to "Next page" button when current displayed page is smaller than max page | Next page of current page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RMS-11] | Test Last page button | - Click to "Last page" button when current displayed page is smaller than max page | Last page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
| [RMS-12] | Test index of page | - Click to index page at the bottom | Index page will be displayed with content |  | Pass | 24/3/2012 | LongNH |
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### Staff – Import Student Grade

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Import Student Grade**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [ISG-1] | Test “Download template” button | - Click “Download Template” hyperlink in the bottom side of page. | - Brower’s Download Dialog Box appear to confirm user about downloading template excel file |  | NA |  | KhuongPD |
| [ISG -2] | Test validate template excel file function | - In input excel file, change template fields (header label, delete grade column, …) | - Show message to notice user about the error like “Invalid template, error at <column> <row>” |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -3] | Test import grade data | - Select input excel file  - Click “Import to database” | - Grade data will be imported in to system (can be view by using grade management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -4] | Test auto import subject if missed | - Select input excel file  - Click “Import to database” | - Subject that is not available in database will be automatically imported (can be view using subject management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -5] | Test auto import semester if missed | - Select input excel file  - Click “Import to database” | - Semester that is not available in database will be automatically imported (can be view using semester management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -6] | Test auto import class if missed | - Select input excel file  - Click “Import to database” | - Class that is not available in database will be automatically imported (can be view using class management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -7] | Test auto import mode of study if missed | - Select input excel file  - Click “Import to database” | - Mode of study that is not available in database will be automatically imported (can be view using mode of study management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -8] | Test auto import major if missed | - Select input excel file  - Click “Import to database” | - Major that is not available in database will be automatically imported (can be view using major management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -9] | Test auto import special if missed | - Select input excel file  - Click “Import to database” | - Special that is not available in database will be automatically imported (can be view using special management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -10] | Test auto import student and system user if missed | - Select input excel file  - Click “Import to database” | - Student and System User that is not available in database will be automatically imported (can be view using student management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -11] | Test auto import subject category if missed | - Select input excel file  - Click “Import to database” | - Subject Category that is not available in database will be automatically imported (can be view using subject category management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -12] | Test corrected datafield | - Select input excel file  - Click “Import to database” | - Grade Data must be imported correct (value, name, status, etc) |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -13] | Test grading data after imported | - Select input excel file  - Click “Import to database” | - After import success, student grade must have already be grading calculated. |  | Pass | 20/3/2012 | KhuongPD |
| [ISG -14] | Test success message | - Select input excel file  - Click “Import to database” | - If no error happens during importing, a message will be shown like “Import successfully<number of rows> rows at <time to import> seconds |  | Pass | 20/3/2012 | KhuongPD |

### Staff – Import Student

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Import Student**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [IS-1] | Test “Download template” button | - Click “Download Template” hyperlink in the bottom side of page. | - Brower’s Download Dialog Box appear to confirm user about downloading template excel file |  | NA |  | KhuongPD |
| [IS -2] | Test validate template excel file function | - In input excel file, change template fields (header label, delete grade column, …) | - Show message to notice user about the error like “Invalid template, error at <column> <row>” |  | Pass | 20/3/2012 | KhuongPD |
| [IS -3] | Test import student and auto import system user if missed | - Select input excel file  - Click “Import to database” | - Student and System User that is not available in database will be imported (can be view using student management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [IS -4] | Test corrected datafield | - Select input excel file  - Click “Import to database” | - Student Data must be imported correct (value, name, status, etc) |  | Pass | 20/3/2012 | KhuongPD |
| [IS -5] | Test success message | - Select input excel file  - Click “Import to database” | - If no error happens during importing, a message will be shown like “Import successfully<number of rows> rows at <time to import> seconds |  | Pass | 20/3/2012 | KhuongPD |

### Staff – Import Subjects

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Import Student**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [IS1-1] | Test “Download template” button | - Click “Download Template” hyperlink in the bottom side of page. | - Brower’s Download Dialog Box appear to confirm user about downloading template excel file |  | NA |  | KhuongPD |
| [IS1-2] | Test validate template excel file function | - In input excel file, change template fields (header label, delete grade column, …) | - Show message to notice user about the error like “Invalid template, error at <column> <row>” |  | Pass | 20/3/2012 | KhuongPD |
| [IS1-3] | Test import student and auto import system user if missed | - Select input excel file  - Click “Import to database” | - Student and System User that is not available in database will be imported (can be view using student management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [IS1-4] | Test corrected datafield | - Select input excel file  - Click “Import to database” | - Student Data must be imported correct (value, name, status, etc) |  | Pass | 20/3/2012 | KhuongPD |
| [IS1-5] | Test success message | - Select input excel file  - Click “Import to database” | - If no error happens during importing, a message will be shown like “Import successfully<number of rows> rows at <time to import> seconds |  | Pass | 20/3/2012 | KhuongPD |

### Staff – Import Semester

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Import semester**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [IS2-1] | Test “Download template” button | - Click “Download Template” hyperlink in the bottom side of page. | - Brower’s Download Dialog Box appear to confirm user about downloading template excel file |  | NA |  | KhuongPD |
| [IS2-2] | Test validate template excel file function | - In input excel file, change template fields (header label, delete grade column, …) | - Show message to notice user about the error like “Invalid template, error at <column> <row>” |  | Pass | 20/3/2012 | KhuongPD |
| [IS2-3] | Test import semester to database | - Select input excel file  - Click “Import to database” | - Semester will be imported (can be view using student management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [IS2-4] | Test corrected datafield | - Select input excel file  - Click “Import to database” | - Semester Data must be imported correct (value, name, status, etc) |  | Pass | 20/3/2012 | KhuongPD |
| [IS2-5] | Test success message | - Select input excel file  - Click “Import to database” | - If no error happens during importing, a message will be shown like “Import successfully<number of rows> rows at <time to import> seconds |  | Pass | 20/3/2012 | KhuongPD |

### Staff – Import Class

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Import class**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [IC-1] | Test “Download template” button | - Click “Download Template” hyperlink in the bottom side of page. | - Brower’s Download Dialog Box appear to confirm user about downloading template excel file |  | NA |  | KhuongPD |
| [IC -2] | Test validate template excel file function | - In input excel file, change template fields (header label, delete grade column, …) | - Show message to notice user about the error like “Invalid template, error at <column> <row>” |  | Pass | 20/3/2012 | KhuongPD |
| [IC -3] | Test import class to database | - Select input excel file  - Click “Import to database” | - Class will be imported (can be view using student management modules) |  | Pass | 20/3/2012 | KhuongPD |
| [IC -4] | Test corrected datafield | - Select input excel file  - Click “Import to database” | - Class Data must be imported correct (value, name, status, etc) |  | Pass | 20/3/2012 | KhuongPD |
| [IC -5] | Test success message | - Select input excel file  - Click “Import to database” | - If no error happens during importing, a message will be shown like “Import successfully<number of rows> rows at <time to import> seconds |  | Pass | 20/3/2012 | KhuongPD |

### Staff – Manage Student

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Student**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Student** | | | | | | | |
| [MS1-1] | Test **Auto Suggest Student** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Student which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + User’s full name  + Tooltip includes: Full name, Account, Email, Phone + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MS1-2] | Test **Auto Suggest Student** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MS1-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MS1-1] | Pass | 21/03/2012 | TrucTM |
| [MS1-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Student’s Information** | | | | | | | |
| [MS1-5] | Test **List Student’s Information** at the first time visit | Visit Student Page at the first time | Student Page will list Student Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - Student's full name  - Account  - Major  - Email  - Course  - Note  - Is Active  - Edit Student Image link button |  | Pass | 21/03/2012 | TrucTM |
| [MS1-6] | Test **List Student’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MS1-1] | Pass | 21/03/2012 | TrucTM |
| [MS1-7] | Test **List Student’s Information** after the first time but login session still alive | Visit Student Page after first time | Grid view will display information base on lasted visit. | [MS1-6] and  [MS1-5] | Pass | 21/03/2012 | TrucTM |
| [MS1-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MS1-7]  and  [MS1-6]  and  [MS1-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Student Information** | | | | | | | |
| [MS1-9] | Test **Oder Student Information** | Click on header of each column | Grid view will display data after Oder. System has two statuses: increment and descent. | Module List Student’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Student** | | | | | | | |
| [MS1-10] | Create new Student success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Student" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Student successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS1-14]  And  [MS1-13] | Pass | 21/03/2012 | TrucTM |
| [MS1-11] | Create new Student fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Student" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Student Account!"  4. Click "OK", popup will be closed. | [MS1-14]  And  [MS1-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Student** | | | | | | | |
| [MS1-12] | Edit Student success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Student" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Student successfully!"  4. Click "OK", popup will be closed. 5. Checking DB  5. Checking DB | [MS1-14]  And  [MS1-13] | Pass | 21/03/2012 | TrucTM |
| [MS1-13] | Edit Student fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Student" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Student Account!"  4. Click "OK", popup will be closed. | [MS1-14]  And  [MS1-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MS1-14] | Test **Validation Data**. | Staff fill Student information | 1. Account. String, max length is 200 and not empty. Account contains abbreviate of full name and number of account if duplicate.  Ex: Full name: Trần Minh Trực. Account tructm00.  2. Full name. String, max length is 200 and not empty.  3. Email. String, max length is 200 and not empty. Same with account.  4. Student Identity. String, max length is 20 and not empty  5. Phone. String, max length is 20, format constraint (000) 0000000 or (0000) 0000000.  6. Note. String, max length.  7. Date of Birth. String, format (dd/mm/yyyy).  8. Major. Decimal, Dropdown list control.  9. Special. Decimal, dropdown list control.  10. Mode of study. Decimal, dropdown list control.  11. Course. Integer. |  | Pass | 21/03/2012 | TrucTM |
| [MS1-15] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Student information | System checking Account in DB.  1. If Staff add new Student with account has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Student Account!"  2. If Staff edit Student with account has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Student Account!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Student Grade

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Grading**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest (Ref 3.5)** | | | | | | | |
| **Module List Grading’s Information (Ref 3.5)** | | | | | | | |
| **Module Order Grading Information** | | | | | | | |
| [MSG-1] | Test **Oder Grading Information** | Click on header of each column | Grid view will display data after Oder. System has two statuses: increment and descent. | Module List Grading’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Grading** | | | | | | | |
| [MSG-2] | Create new Grading success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Grading" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Grading successfully!"  4. Click "OK", popup will be closed.  5. New Grading will insert to **SubjectStudentSemester** table and update information about credit, grade of student in **Student** table  6. Checking DB | [MSG-14]  And  [MSG-13] | Pass | 21/03/2012 | TrucTM |
| [MSG-3] | Create new Grading fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Grading" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Grading Account!"  4. Click "OK", popup will be closed. | [MSG-14]  And  [MSG-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Grading** | | | | | | | |
| [MSG-4] | Edit Grading success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Grading" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Grading successfully!"  4. Click "OK", popup will be closed.  5. New Grading will insert to **SubjectStudentSemester** table and update information about credit, grade of student in **Student** table  6. Checking DB | [MSG-14]  And  [MSG-13] | Pass | 21/03/2012 | TrucTM |
| [MSG-5] | Edit Grading fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Grading" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Grading Account!"  4. Click "OK", popup will be closed. | [MSG-14]  And  [MSG-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MSG-6] | Test **Validation Data**. | Staff fill Grading information | 1. Grade. Double, (>=0 and <=10), format (0, 0.0, 0.00) |  | Pass | 21/03/2012 | TrucTM |
| [MSG-7] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Grading information | System checking Account in DB.  1. If Staff adds new Grading with Student and Subject duplicate. System will alert to Staff "This student has been learned before. Checking if this subject is Retaken."  2. If Staff edits new Grading with Student and Subject duplicate. System will alert to Staff "This student has been learned before. Checking if this subject is Retaken." |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Subject

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Subject**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Subject** | | | | | | | |
| [MS2-1] | Test **Auto Suggest Subject** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Subject which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Subject Name  + Tooltip includes: Subject name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MS2-2] | Test **Auto Suggest Subject** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MS2-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MS2-1] | Pass | 21/03/2012 | TrucTM |
| [MS2-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Subject’s Information** | | | | | | | |
| [MS2-5] | Test **List Subject’s Information** at the first time visit | Visit Subject Page at the first time | Subject Page will list Subject Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - Group  - Subject Name  - Short Name  - Credit  - Description  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MS2-6] | Test **List Subject’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MS2-1] | Pass | 21/03/2012 | TrucTM |
| [MS2-7] | Test **List Subject’s Information** after the first time but login session still alive | Visit Subject Page after first time | Grid view will display information base on lasted visit. | [MS2-6] and  [MS2-5] | Pass | 21/03/2012 | TrucTM |
| [MS2-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MS2-7]  and  [MS2-6] and  [MS2-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Subject Information** | | | | | | | |
| [MS2-9] | Test **Order Subject Information** | Click on header of each column | Grid view will display data after Order. System has two statuses: increment and descent. | Module List Subject’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Subject** | | | | | | | |
| [MS2-10] | Create new Subject success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Subject" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Subject successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS2-14]  And  [MS2-13] | Pass | 21/03/2012 | TrucTM |
| [MS2-11] | Create new Subject fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Subject" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Subject!"  4. Click "OK", popup will be closed. | [MS2-14]  And  [MS2-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Subject** | | | | | | | |
| [MS2-12] | Edit Subject success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Subject" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Subject successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS2-15]  And  [MS2-14] | Pass | 21/03/2012 | TrucTM |
| [MS2-13] | Edit Subject fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Subject" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Subject!"  4. Click "OK", popup will be closed. | [MS2-15]  And  [MS2-14] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MS2-14] | Test **Validation Data**. | Staff fill Subject information | 1. English Name. String, max length is 200 and not empty.  2. Vietnamese Name. String, max length is 200 and not empty.  3. Short Name. String, max length is 200 and not empty  4. Is Optional. Integer (>0 and <20), not empty  5. Credit. Integer (>0 and <200), not empty  6. Subject Category. Decimal, dropdown list.  2. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MS2-15] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Subject information | System checking Subject name in DB.  1. If Staff add new Subject with Subject name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Subject!"  2. If Staff edit Subject with Subject has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Subject!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Semester

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Semester**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Semester** | | | | | | | |
| [MS3-1] | Test **Auto Suggest Semester** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Semester which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Semester Name  + Tooltip includes: Semester name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MS3-2] | Test **Auto Suggest Semester** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MS3-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MS3-1] | Pass | 21/03/2012 | TrucTM |
| [MS3-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Semester’s Information** | | | | | | | |
| [MS3-5] | Test **List Semester’s Information** at the first time visit | Visit Semester Page at the first time | Semester Page will list Semester Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - English name  - Vietnamese Name  - Start time  - End time  - Description  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MS3-6] | Test **List Semester’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MS3-1] | Pass | 21/03/2012 | TrucTM |
| [MS3-7] | Test **List Semester’s Information** after the first time but login session still alive | Visit Semester Page after first time | Grid view will display information base on lasted visit. | [MS3-6] and  [MS3-5] | Pass | 21/03/2012 | TrucTM |
| [MS3-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MS3-7]  and  [MS3-6] and  [MS3-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Semester Information** | | | | | | | |
| [MS3-9] | Test **Order Semester Information** | Click on header of each column | Grid view will display data after Order. System has two statuses: increment and descent. | Module List Semester’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Semester** | | | | | | | |
| [MS3-10] | Create new Semester success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Semester" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Semester successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS3-15]  And  [MS3-14] | Pass | 21/03/2012 | TrucTM |
| [MS3-11] | Create new Semester fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Semester" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Semester!"  4. Click "OK", popup will be closed. | [[MS3-15]  And  [MS3-14] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Semester** | | | | | | | |
| [MS3-12] | Edit Semester success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Semester" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Semester successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS3-15]  And  [MS3-14] | Pass | 21/03/2012 | TrucTM |
| [MS3-13] | Edit Semester fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Semester" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Semester!"  4. Click "OK", popup will be closed. | [MS3-15]  And  [MS3-14] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MS3-14] | Test **Validation Data**. | Staff fill Semester information | 1. English Name. String, max length is 200 and not empty.  2. Vietnamese Name. String, max length is 200 and not empty.  3. Start time. String, format (dd/mm/yyyy)  4. End time. String, format (dd/mm/yyyy)  5. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MS3-15] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Semester information | System checking Semester name in DB.  1. If Staff add new Semester with Semester name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Semester!"  2. If Staff edit Semester with Semester has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Semester!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Class

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Class**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Class** | | | | | | | |
| [MC-1] | Test **Auto Suggest Class** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Class which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Class Name  + Tooltip includes: Class name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MC-2] | Test **Auto Suggest Class** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MC-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MC-1] | Pass | 21/03/2012 | TrucTM |
| [MC-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Class’s Information** | | | | | | | |
| [MC-5] | Test **List Class’s Information** at the first time visit | Visit Class Page at the first time | Class Page will list Class Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - Class name  - Description  - Status  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MC-6] | Test **List Class’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MC-1] | Pass | 21/03/2012 | TrucTM |
| [MC-7] | Test **List Class’s Information** after the first time but login session still alive | Visit Class Page after first time | Grid view will display information base on lasted visit. | [MC-6] and  [MC-5] | Pass | 21/03/2012 | TrucTM |
| [MC-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MC-7]  and  [MC-6] and  [MC-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Class Information** | | | | | | | |
| [MC-9] | Test **Oder Class Information** | Click on header of each column | Grid view will display data after Oder. System has two statuses: increment and descent. | Module List Class’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Class** | | | | | | | |
| [MC-10] | Create new Class success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Class" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Class successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MC-14]  And  [MC-13] | Pass | 21/03/2012 | TrucTM |
| [MC-11] | Create new Class fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Class" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Class!"  4. Click "OK", popup will be closed.  5. Checking DB | [MC-14]  And  [MC-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Class** | | | | | | | |
| [MC-11] | Edit Class success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Class" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Class successfully!"  4. Click "OK", popup will be closed. | [MC-14]  And  [MC-13] | Pass | 21/03/2012 | TrucTM |
| [MC-12] | Edit Class fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Class" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Class!"  4. Click "OK", popup will be closed. | [MC-14]  And  [MC-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MC-13] | Test **Validation Data**. | Staff fill Class information | 1. Class name. String, max length is 200 and not empty.  2. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MC-14] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Class information | System checking Class name in DB.  1. If Staff add new Class with Class name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Class!"  2. If Staff edit Class with Class has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Class!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Major

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Major**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Major** | | | | | | | |
| [MM-1] | Test **Auto Suggest Major** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Major which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Major Name  + Tooltip includes: Major name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MM-2] | Test **Auto Suggest Major** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MM-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MM-1] | Pass | 21/03/2012 | TrucTM |
| [MM-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Major’s Information** | | | | | | | |
| [MM-5] | Test **List Major’s Information** at the first time visit | Visit Major Page at the first time | Major Page will list Major Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - English name  - Vietnamese Name  - Description  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MM-6] | Test **List Major’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MM-1] | Pass | 21/03/2012 | TrucTM |
| [MM-7] | Test **List Major’s Information** after the first time but login session still alive | Visit Major Page after first time | Grid view will display information base on lasted visit. | [MM-6] and  [MM-5] | Pass | 21/03/2012 | TrucTM |
| [MM-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MM-7]  and  [MM-6] and  [MM-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Major Information** | | | | | | | |
| [MM-9] | Test **Order Major Information** | Click on header of each column | Grid view will display data after Order. System has two statuses: increment and descent. | Module List Major’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Major** | | | | | | | |
| [MM-10] | Create new Major success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Major" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Major successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MM-14]  And  [MM-13] | Pass | 21/03/2012 | TrucTM |
| [MM-11] | Create new Major fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Major" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Major!"  4. Click "OK", popup will be closed. | [MM-14]  And  [MM-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Major** | | | | | | | |
| [MM-11] | Edit Major success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Major" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Major successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MM-14]  And  [MM-13] | Pass | 21/03/2012 | TrucTM |
| [MM-12] | Edit Major fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Major" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Major!"  4. Click "OK", popup will be closed. | [MM-14]  And  [MM-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MM-13] | Test **Validation Data**. | Staff fill Major information | 1. English Name. String, max length is 200 and not empty.  2. Vietnamese Name. String, max length is 200 and not empty.  3. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MM-14] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Major information | System checking Major name in DB.  1. If Staff add new Major with Major name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Major!"  2. If Staff edit Major with Major has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Major!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Special

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Special**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Special** | | | | | | | |
| [MS4-1] | Test **Auto Suggest Special** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Special which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Special Name  + Tooltip includes: Special name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MS4-2] | Test **Auto Suggest Special** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MS4-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MS4-1] | Pass | 21/03/2012 | TrucTM |
| [MS4-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Special’s Information** | | | | | | | |
| [MS4-5] | Test **List Special’s Information** at the first time visit | Visit Special Page at the first time | Special Page will list Special Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - English name  - Vietnamese Name  - Description  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MS4-6] | Test **List Special’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MS4-1] | Pass | 21/03/2012 | TrucTM |
| [MS4-7] | Test **List Special’s Information** after the first time but login session still alive | Visit Special Page after first time | Grid view will display information base on lasted visit. | [MS4-6] and  [MS4-5] | Pass | 21/03/2012 | TrucTM |
| [MS4-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MS4-7]  and  [MS4-6] and  [MS4-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Special Information** | | | | | | | |
| [MS4-9] | Test **Order Special Information** | Click on header of each column | Grid view will display data after Order. System has two statuses: increment and descent. | Module List Special’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Special** | | | | | | | |
| [MS4-10] | Create new Special success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Special" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Special successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS4-14]  And  [MS4-13] | Pass | 21/03/2012 | TrucTM |
| [MS4-11] | Create new Special fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Special" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Special!"  4. Click "OK", popup will be closed. | [MS4-14]  And  [MS4-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Special** | | | | | | | |
| [MS4-11] | Edit Special success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Special" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Special successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MS4-14]  And  [MS4-13] | Pass | 21/03/2012 | TrucTM |
| [MS4-12] | Edit Special fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Special" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Special!"  4. Click "OK", popup will be closed. | [MS4-14]  And  [MS4-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MS4-13] | Test **Validation Data**. | Staff fill Special information | 1. English Name. String, max length is 200 and not empty.  2. Vietnamese Name. String, max length is 200 and not empty.  3. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MS4-14] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Special information | System checking Special name in DB.  1. If Staff add new Special with Special name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Special!"  2. If Staff edit Special with Special has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Special!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Mode of Study

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Mode of Study**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Mode of Study** | | | | | | | |
| [MMOS-1] | Test **Auto Suggest Mode of Study** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Mode of Study which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Mode of Study Name  + Tooltip includes: Mode of Study name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MMOS-2] | Test **Auto Suggest Mode of Study** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MMOS-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MMOS-1] |  |  |  |
| [MMOS-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Mode of Study’s Information** | | | | | | | |
| [MMOS-5] | Test **List Mode of Study’s Information** at the first time visit | Visit Mode of Study Page at the first time | Mode of Study Page will list Mode of Study Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - English name  - Vietnamese Name  - Description  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MMOS-6] | Test **List Mode of Study’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MMOS-1] | Pass | 21/03/2012 | TrucTM |
| [MMOS-7] | Test **List Mode of Study’s Information** after the first time but login session still alive | Visit Mode of Study Page after first time | Grid view will display information base on lasted visit. | [MMOS-6] and  [MMOS-5] | Pass | 21/03/2012 | TrucTM |
| [MMOS-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MMOS-7]  and  [MMOS-6] and  [MMOS-5] |  |  |  |
| **Module Order Mode of Study Information** | | | | | | | |
| [MMOS-9] | Test **Order Mode of Study Information** | Click on header of each column | Grid view will display data after Order. System has two statuses: increment and descent. | Module List Mode of Study’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Mode of Study** | | | | | | | |
| [MMOS-10] | Create new Mode of Study success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Mode of Study" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Mode of Study successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MMOS-14]  And  [MMOS-13] | Pass | 21/03/2012 | TrucTM |
| [MMOS-11] | Create new Mode of Study fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Mode of Study" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Mode of Study!"  4. Click "OK", popup will be closed. | [MMOS-14]  And  [MMOS-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Mode of Study** | | | | | | | |
| [MMOS-11] | Edit Mode of Study success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Mode of Study" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Mode of Study successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MMOS-14]  And  [MMOS-13] | Pass | 21/03/2012 | TrucTM |
| [MMOS-12] | Edit Mode of Study fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Mode of Study" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Mode of Study!"  4. Click "OK", popup will be closed. | [MMOS-14]  And  [MMOS-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MMOS-13] | Test **Validation Data**. | Staff fill Mode of Study information | 1. English Name. String, max length is 200 and not empty.  2. Vietnamese Name. String, max length is 200 and not empty.  3. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MMOS-14] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Mode of Study information | System checking Mode of Study name in DB.  1. If Staff add new Mode of Study with Mode of Study name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Mode of Study!"  2. If Staff edit Mode of Study with Mode of Study has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Mode of Study!" |  | Pass | 21/03/2012 | TrucTM |

### Staff – Manage Subject Category

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Choosing "**Subject Category**" from "**Manage**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Subject Category** | | | | | | | |
| [MSC-1] | Test **Auto Suggest Subject Category** when have data | - Type at least two letters in “Key Word” text box in the left side of page. | - Appear a list of Subject Category which have full name or account contains the typed letter in text box “key word” right below the textbox.  - This list result is displayed as rows in which each row includes the following information:  + An image.  + Subject Category Name  + Tooltip includes: Subject Category name, description. + A “Load More” button at the end of the list. |  | Pass | 21/03/2012 | TrucTM |
| [MSC-2] | Test **Auto Suggest Subject Category** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 21/03/2012 | TrucTM |
| [MSC-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results will be loaded into list. | [MSC-1] | Pass | 21/03/2012 | TrucTM |
| [MSC-4] | Test **See All** button | - Click to "See All" button next to the right side of “key word” text box. | First page will be displayed with content |  | Pass | 21/03/2012 | TrucTM |
| **Module List Subject Category’s Information** | | | | | | | |
| [MSC-5] | Test **List Subject Category’s Information** at the first time visit | Visit Subject Category Page at the first time | Subject Category Page will list Subject Category Data in grid view. If there is no data, grid view will display "No matching records found". If there is data, grid view will display at most 10 records.  Display information will include:  - English name  - Vietnamese Name  - Description  - Is Active  - Edit image link button. |  | Pass | 21/03/2012 | TrucTM |
| [MSC-6] | Test **List Subject Category’s Information** after click "Search" Image button | Staff Click "Search" Image button | - Grid view will display information base on search condition  1. Grid view will display "No matching records found" if don't match search condition  2. Grid view will display all Data if search condition is empty  3. Grid view will display Data if matching condition. | [MSC-1] | Pass | 21/03/2012 | TrucTM |
| [MSC-7] | Test **List Subject Category’s Information** after the first time but login session still alive | Visit Subject Category Page after first time | Grid view will display information base on lasted visit. | [MSC-6] and  [MSC-5] | Pass | 21/03/2012 | TrucTM |
| [MSC-8] | Test index of page | Click to index page at the bottom | Index page will be displayed with content | [MSC-7]  and  [MSC-6] and  [MSC-5] | Pass | 21/03/2012 | TrucTM |
| **Module Order Subject Category Information** | | | | | | | |
| [MSC-9] | Test **Order Subject Category Information** | Click on header of each column | Grid view will display data after Order. System has two statuses: increment and descent. | Module List Subject Category’s Information | Pass | 21/03/2012 | TrucTM |
| **Module Create new Subject Category** | | | | | | | |
| [MSC-10] | Create new Subject Category success | Click "Add new" Image button above Grid View data | 1. Light box "Add new Subject Category" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Add new Subject Category successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MSC-14]  And  [MSC-13] | Pass | 21/03/2012 | TrucTM |
| [MSC-11] | Create new Subject Category fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Subject Category" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has inserted duplicate Subject Category!"  4. Click "OK", popup will be closed. | [MSC-14]  And  [MSC-13] | Pass | 21/03/2012 | TrucTM |
| **Module Edit Subject Category** | | | | | | | |
| [MSC-11] | Edit Subject Category success | Click "Add new" Image button above Grid View data | 1. Light box "Edit Subject Category" will be appeared.  2. Staff fills information and click "Update" button.  3. Light box will be closed and popup "Edit Subject Category successfully!"  4. Click "OK", popup will be closed.  5. Checking DB | [MSC-14]  And  [MSC-13] | Pass | 21/03/2012 | TrucTM |
| [MSC-12] | Edit Subject Category fail | Click "Add new" Image button above Grid View data | 1. Light box "Add new Subject Category" will be appeared.  2. Staff fills information and click "Add" button.  3. Light box will be closed and popup "Errors occur. Checking your connection or you has edited duplicate Subject Category!"  4. Click "OK", popup will be closed. | [MSC-14]  And  [MSC-13] | Pass | 21/03/2012 | TrucTM |
| **Module Validation and checking unique constraint** | | | | | | | |
| [MSC-13] | Test **Validation Data**. | Staff fill Subject Category information | 1. English Name. String, max length is 200 and not empty.  2. Vietnamese Name. String, max length is 200 and not empty.  3. Description. String, max length. |  | Pass | 21/03/2012 | TrucTM |
| [MSC-14] | Test **Checking unique constraint** successfully. | Staff click "Add" or "Update" Subject Category information | System checking Subject Category name in DB.  1. If Staff add new Subject Category with Subject Category name has been exist. Popup will be shown "Errors occur. Checking your connection or you has inserted duplicate Subject Category!"  2. If Staff edit Subject Category with Subject Category has been duplicated. Popup will be shown "Errors occur. Checking your connection or you has edited duplicate Subject Category!" |  | Pass | 21/03/2012 | TrucTM |

### Student – View Private Grades

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Report Student Grade**" tab in the top menu. | | | | | | | |
| **Module Auto Suggest Student** | | | | | | | |
| [RSG-1] | Test **Auto Suggest Subject** when have data | - Type at least two letters in “Subject” text box in the left side of page. | - Appear a list of subjects which have subject name contains the typed letter in text box “Subject” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Subject name  + Tooltip includes: subject name English. + A “Load More” button at the end of the list. |  | Pass | 14/3/2012 | TuanNA |
| [RSG-2] | Test **Auto Suggest Subject** when don’t have data | - Type at least two letters in “Key Word” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 14/3/2012 | TuanNA |
| [RSG-3] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results wiil be loaded into list. | [RSG-1,2] | Pass | 14/3/2012 | TuanNA |
| [RSG-4] | Test **See All** button | - Click to "See All" button next to the right side of “Subject” text box. | First page will be displayed with content | [RSG-1,2] | Pass | 14/3/2012 | TuanNA |
| **Module Auto Suggest Semester** | | | | | | | |
| [RSG-5] | Test **Auto Suggest Semester** when have data | - Type at least two letters in “Semester” text box in the left side of page. | - Appear a list of semesters which have semester name contains the typed letter in text box “Semester” right below the textbox.  - This list result is displayed as rows in which each row includes the folowing informations:  + An image.  + Semester name  + Tooltip includes: semester name English.  + A “Load More” button at the end of the list. |  | Pass | 14/3/2012 | TuanNA |
| [RSG-6] | Test **Auto Suggest Semester** when don’t have data | - Type at least two letters in “Semester” text box in the left side of page. | - “no result” text is displayed. |  | Pass | 14/3/2012 |  |
| [RSG-7] | Test **Load More** button | - Click to "Load More" button at the end of list result. | - At most three next results wiil be loaded into list. | [RSG-5,6] | Pass | 14/3/2012 | TuanNA |
| [RSG-8] | Test **See All** button | - Click to "See All" button next to the right side of “Semester” text box. | First page will be displayed with content | [RSG-5,6] | Pass | 14/3/2012 | TuanNA |
| **Module List and Filter Subject’s Grade of Student** | | | | | | | |
| [RSG-9] | Test Previous page button | Click to "Previous page" button when current displayed page is larger than 1 | Previous page of current page will be displayed with content |  | Pass | 14/3/2012 | TuanNA |
| [RSG-10] | Test Next page button | Click to "Next page" button when current displayed page is smaller than max page | Next page of current page will be displayed with content |  | Pass | 14/3/2012 | TuanNA |
| [RSG-11] | Test Last page button | Click to "Last page" button when current displayed page is smaller than max page | Last page will be displayed with content |  | Pass | 14/3/2012 | TuanNA |
| [RSG-12] | Test First page button | Click to "First page" button when current displayed page is greater than max page | First page will be displayed with content |  | Pass | 14/3/2012 | TuanNA |
| [RSG-13] | Test “Show result entries” | Choose the number of result of entries | Number of entries will display per result depend on your choice |  | Pass | 14/3/2012 | TuanNA |
| **Module Export Reports** | | | | | | | |
| [RSG-14] | Test Export All Reports to zip file | Click to “Zip” image button to download all reports | The file ”zip” that contains all reports will be downloaded to user’s computer. |  | Pass | 14/3/2012 | TuanNA |
| [RSG-8] | Test Export Report by Semester to excel file | Select the semester then click to “Excel” button to download report by semester | The file ”excel” that contains report by semester will be downloaded to user’s computer. |  | Pass | 14/3/2012 | TuanNA |



### System – Auto Sent Report by Email

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test date** | **By** |
| **Steps**  1. Run FMTP Auto Mailing service in server. 2. Login the web page with Staff role. 3. Click "**Report Student”** tab in the top menu. | | | | | | | |
| **Module Auto Send Mail Report** | | | | | | | |
| [SRE-1] | Test Send Email Report | - Using module List and Filter subjects’ grade of a student to view data.  - Click to check box send mail report in top of table result.  - Click to image button “Export” report. | - The report excel file will be sent automatically via email to student within 10 minutes later.  - Check mail of the student who was sent report to see the mail report. |  | Pass | 24/3/2012 | LongNH |

### System – Auto Grading

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Execute "**Import Grade**", "**Add new Grading**", "**Edit Grading**" function | | | | | | | |
| **Module Auto Grading** | | | | | | | |
| [MC-1] | Test **Grading** | Staff Using "**Import Grade**", "**Add new Grading**", "**Edit Grading**" function. | 1. System calculates number of fail credit, number of pass credit, total grade, average grade from **SubjectStudentSemester** table base on two status "Pass" and "Fail"  2. System will update Student information include: total pass, total fail, total grade, average grade. |  | Pass | 21/03/2012 | TrucTM |

### Student – Edit Private Information

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Private Information**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [RSG-1] | Test form edit student’s information | - Click “Edit Information” hyperlink in the bottom side of page. | - Appear a form that allow user ( student ) to edit your information |  | Pass | 20/3/2012 | TuanNA |
| [RSG-2] | Test validation data with “Full Name” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass | 20/3/2012 | TuanNA |
| [RSG-3] | Test validation data with “Day of Birth” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass | 20/3/2012 | TuanNA |
| [RSG-5] | Test validation data with “Email” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass | 20/3/2012 | TuanNA |
| [RSG-6] | Test validation data with “Student Identity” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass | 20/3/2012 | TuanNA |
| [RSG-7] | Test validation data with “Phone” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” - Type wrong format or leave it empty then click “Update button” |  | Pass | 20/3/2012 | TuanNA |
| [RSG-9] | Test edit student’s information | - Click “Edit Information” hyperlink in the bottom side of page.  - Filter information  - Click “Update” button | - Redirect to “PrivateInformationPage” again. And new data information will be updated when update successfully and the message box when updated failed. |  | Pass | 20/3/2012 | TuanNA |

## Checklists



### Checklist of Validation

|  |  |  |  |
| --- | --- | --- | --- |
| Question | Yes | No | N/A |
| 1. Does a failure of validation on every field cause a sensible user error message? |  | x |  |
| 2. Is the user required to fix entries which have failed validation tests? |  |  | X |
| 3. Have any fields got multiple validation rules and if so are all rules being applied? | x |  |  |
| 4. If the user enters an invalid value and clicks on the OK button (i.e. does not TAB off the field) is the invalid entry identified and highlighted correctly with an error message? |  | x |  |
| 5. Is validation consistently applied at screen level unless specifically required at field level? | x |  |  |
| 6. For all numeric fields check whether negative numbers can and should be able to be entered. | x |  |  |
| 7. For all numeric fields check the minimum and maximum values and also some mid-range values allowable? |  | x |  |
| 8. 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? |  |  | X |
| 9. Do all mandatory fields require user input? | x |  |  |
| 10. 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.) | x |  |  |

### Submission Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Question | | Yes | No | N/A |
| TABLES AND FIGURES | | | | |
| 1 | Does every table column, including the stub column, have a heading? | x |  |  |
| 2 | Are all tables referred to in text? | x |  |  |
| 3 | Are the elements in the figures large enough to remain legible after the figure has been reduced to the width of a journal column or page? |  |  | x |
| 4 | Is lettering in a figure no smaller than 8 points and no larger than 14 points? |  | x |  |
| 5 | Are the figures being submitted in a file format acceptable to the publisher? |  |  | x |
| 6 | Has the figure been prepared at a resolution sufficient to produce a high-quality image? |  |  | x |
| 7 | Are all figures numbered consecutively with Arabic numerals? |  | x |  |
| 8 | Are all figures and tables mentioned in the text and numbered in the order in which they are mentioned? | x |  |  |
| REFERENCES | | | | |
| 1 | Are references cited both in text and in the reference list ? |  |  | x |
| 2 | Do the text citations and reference list entries agree both in spelling and in date? |  |  | x |
| 3 | Are journal titles in the reference list spelled out fully? |  | x |  |
| 4 | Are the references (both in the parenthetical text citations and in the reference list) ordered alphabetically by the authors’ surnames? |  | x |  |
| 5 | Are inclusive page numbers for all articles or chapters in books provided in the reference list? |  | x |  |
| 6 | Are references to studies included in your meta-analysis preceded by an asterisk? |  | x |  |
| FORMAT | | | | |
| 1 | Have you checked the journal’s website for instructions to authors regarding specific formatting requirements for submission? |  | x |  |
| 2 | Is the entire manuscript—including quotations, references, author note, content footnotes, and figure captions—double-spaced ? Is the manuscript neatly prepared? |  | x |  |
| 3 | Are the margins at least 1 in. (2.54 cm)? |  |  | x |
| 4 | Are the title pages, abstracts, references, appendices, content footnotes, tables, and figures on separate pages (with only one table or figure per page)? Are the figure captions on the same page as the figures? Are manuscript elements ordered in sequence, with the text pages between the abstract and the references? |  |  | x |
| 5 | Are all pages numbered in sequence, starting with the title page? | x |  |  |
| PARAGRAPHS AND HEADINGS | | | | |
| 1 | Is each paragraph longer than a single sentence but not longer than one manuscript page? |  |  | x |
| 2 | Do the levels of headings accurately reflect the organization of the paper? | x |  |  |
| 3 | Do all headings of the same level appear in the same format? | x |  |  |

# Appendix A: Test Logs

## Test Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Module code | Pass | Fail | Untested | N/A | Number of test cases |
| Total | 265 | 0 | 0 | 0 | 265 |
| Admin: Manage System User | 12 | 0 | 0 | 0 | 12 |
| Admin: Manage Staff | 15 | 0 | 0 | 0 | 15 |
| User: Common Functions | 9 | 0 | 0 | 0 | 9 |
| Staff: Report Student's Grades | 17 | 0 | 0 | 0 | 17 |
| Staff: Report List Of Students | 21 | 0 | 0 | 0 | 21 |
| Staff: Report Mail Sent | 12 | 0 | 0 | 0 | 12 |
| Staff: Import Student Grade | 14 | 0 | 0 | 0 | 14 |
| Staff: Import Student | 5 | 0 | 0 | 0 | 5 |
| Staff: Import Subjects | 5 | 0 | 0 | 0 | 5 |
| Staff: Import Semester | 5 | 0 | 0 | 0 | 5 |
| Staff: Import Class | 5 | 0 | 0 | 0 | 5 |
| Staff: Manage Student | 15 | 0 | 0 | 0 | 15 |
| Staff: Manage Student Grade | 9 | 0 | 0 | 0 | 9 |
| Staff: Manage Subject | 7 | 0 | 0 | 0 | 7 |
| Staff: Manage Semester | 15 | 0 | 0 | 0 | 15 |
| Staff: Manage Class | 15 | 0 | 0 | 0 | 15 |
| Staff: Manage Major | 15 | 0 | 0 | 0 | 15 |
| Staff: Manage Special | 15 | 0 | 0 | 0 | 15 |
| Staff: Manage ModeOf Study | 15 | 0 | 0 | 0 | 15 |
| Staff: Manage Subject Category | 15 | 0 | 0 | 0 | 15 |
| Student: View Private Grade | 15 | 0 | 0 | 0 | 15 |
| System: Auto Sent Report Mail | 1 | 0 | 0 | 0 | 1 |
| System: Auto Grading | 1 | 0 | 0 | 0 | 1 |
| Student: Edit Private Information | 7 | 0 | 0 | 0 | 7 |

## Incident Report



### Light box window doesn’t work properly on all browsers

Light box windows don’t work properly on Firefox but work fine on Chrome. Pop-up window is supposed to be pop out on event but in this incident, it was displayed with blank page and has no control in its body.

**Reason**: There was problem in Firefox browser.

**Solution**: None

### Inconsistent Date format

Date format in several pages is inconsistent. Some pages display date in format “MM/dd/yyyy” and some displays date in format “dd/MM/yyyy”.

**Reason**: All team members haven’t discussed about date format so each individual using the format they want.

**Solution**: based on market target is Viet Nam; all date will be displayed in format “dd/MM/yyyy”.

### Authentication Incident

All team members weren’t able to access to Admin page because the authentication function was worked as expected.

**Reason**: The user information used for authentication was invalid in Authentication Session. Causes of lack of information, all accounts don’t have permission to access admin page.

**Solution**: Update Authentication Session, make it save user information correctly.

### Export Zip file Problem

Export reports for list of students into zip file doesn't have enough file excel report for each student in list table.

**Reason:** The name of file excels reports was exported in one second are the same so files may be overwritten.

**Solution:** Set unique name for each excel file report for each student so we don't care about the overwritten files have same name.