Chapter 3 | System Testing

Test Case1: Lecturer registers to the system (URS-1.1)

**Description:**

The test is a testing system from the user requirement number 1.1. Lecturer can register to the system by information of lecturer.

**Prerequisites or Test Input:**

The test data is the Lecturer information

**Test Script**

1. Lecturer click register
2. Lecturer type the information for register
3. Lecturer click submit

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | descriptiom | Input | | | | | | | | Expect Output |
| Lec ID | Lec username | Lec password | Lec Name | Lec Faculty | Lec Department | Lec Email | Lectel |
| 1 | Valid input | 123456 | chaichan | 1234 | chaichan | camt | se | Cs@gmail.com | 0822686387 | “Registration Successful” |
| 2 | Invalid input | abcd | Chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer ID must be the number only” |
| 3 | Invalid input | 123456 | Cs | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s username must be only 4-16 alphabet characters” |
| 4 | Invalid input | 123456 | Chaichan | 123 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s password must be only 4-16 characters |
| 5 | Invalid input | 123456 | Chaichan | 1234 | palm@c | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s name must be the combination of alphabet and space only” |
| 6 | Invalid input | 123456 | Chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | TH0822686387 | The system shall display “The Lecturer’s tel must be number only” |
| 7 | Invalid input | 123456 | Chaichan | 1234 | Chaichan | Camt | Se | [Csgmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s email must be the character and only one @ symbol |
| 8 | Existing input | 123456 | chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system “Existing Lecturer’s username, please using different Lecturer’s username” |
| 9 | Null input | Null | chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer ID must be the number only” |
| 10 | Null input | 123456 | Null | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s username must be only 4-16 alphabet characters” |
| 11 | Null input | 123456 | Chaichan | Null | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s password must be only 4-16 characters |
| 12 | Null input | 123456 | Chaichan | 1234 | Null | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s name must be the combination of alphabet |
| 15 | Null input | 123456 | Chaichan | 1234 | Chaichan | Camt | Se | Null | 0822686387 | The system shall display “The Lecturer’s email must be the character and only one @ symbol |
| 16 | Null input | 123456 | chaichan | 1234 | chaichan | camt | se | Cs@gmail.com | Null | The system shall display “The Lecturer’s tel must be number only” |

**Test Case2: Student registers to the system (URS-2.1)**

**Description:**

The test is a testing system from the user requirement number 2.1. Student can register to the system by information of lecturer.

**Prerequisites or Test Input:**

The test data is the Student information

**Test Script**

1. Student click register
2. Student type the information for register
3. Student click submit

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Description | Input | | | | | | | | Expect Output |
| LecID | Lec username | Lec password | Lec Name | Lec Faculty | Lec Department | Lec Email | Lectel |
| 1 | Valid input | 123456 | chaichan | 1234 | chaichan | camt | se | Cs@gmail.com | 0822686387 | “Registration Successful” |
| 2 | Invalid input | abcd | Chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student ID must be the number only” |
| 3 | Invalid input | 123456 | Cs | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s username must be only 4-16 alphabet characters” |
| 4 | Invalid input | 123456 | Chaichan | 123 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s password must be only 4-16 characters |
| 5 | Invalid input | 123456 | Chaichan | 1234 | palm@c | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s name must be the combination of alphabet and space only” |
| 6 | Invalid input | 123456 | Chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | TH0822686387 | The system shall display “The Student’s tel must be number only” |
| 7 | Invalid input | 123456 | Chaichan | 1234 | Chaichan | Camt | Se | [Csgmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s email must be the character and only one @ symbol |
| 8 | Existing input | 123456 | chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system “Existing Student’s username, please using different Student’s username” |
| 9 | Null input | Null | chaichan | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student ID must be the number only” |
| 10 | Null input | 123456 | Null | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s username must be only 4-16 alphabet characters” |
| 11 | Null input | 123456 | Chaichan | Null | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s password must be only 4-16 characters |
| 12 | Null input | 123456 | Chaichan | 1234 | Null | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s name must be the combination of alphabet |
| 15 | Null input | 123456 | Chaichan | 1234 | Chaichan | Camt | Se | Null | 0822686387 | The system shall display “The Student’s email must be the character and only one @ symbol |
| 16 | Null input | 123456 | chaichan | 1234 | chaichan | camt | se | Cs@gmail.com | Null | The system shall display “The Student’s tel must be number only” |

**Test Case3: Administrator can approve Lecturer or Student account. (URS-3.1)**

**Description:**

The test is a testing system from the user requirement number 3.1. Administrator can approve Lecturer or student.

**Prerequisites or Test Input:**

The test data is the Lecturer and Student account.

**Test Script**

1. Administrator type the username and pass word for login and then click login
2. Administrator click approve register

|  |  |  |
| --- | --- | --- |
| Test case ID | Description | output |
| 1 | Admin click approve | “approve ID Successful” |
| 2 | Admin click not | Go to next person |

**Test Case4: Lecturer can edit personal information (URS-4.1)**

**Description:**

The test is a testing system from the user requirement number 4.1. Lecturer can edit personal information.

**Prerequisites or Test Input:**

The test data is the Lecturer information

**Test Script**

1. Lecturer type username and password for login and then click login
2. Lecturer click Edit Information
3. Lecturer Edit Information
4. Lecturer click submit

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Description | Input | | | | | | | | | Expect Output |
| Lec ID | Lec username | Lec password | Confirm password | Lec Name | Lec Faculty | Lec Department | Lec Email | Lectel |
| 1 | Valid input | 123456 | chaichan | 1234 | 1234 | chaichan | camt | se | Cs@gmail.com | 0822686387 | “editing Successful” |
| 2 | invalid input | abcd | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer ID must be the number only” |
| 3 | invalid input | 123456 | Cs | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s username must be only 4-16 alphabet characters” |
| 4 | invalid input | 123456 | Chaichan | 123 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s password must be only 4-16 characters |
| 5 | invalid input | 123456 | Chaichan | 1234 | 1234 | palm@c | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s name must be the combination of alphabet and space only” |
| 6 | invalid input | 123456 | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | TH0822686387 | The system shall display “The Lecturer’s tel must be number only” |
| 7 | invalid input | 123456 | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Csgmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s email must be the character and only one @ symbol |
| 8 | Existing input | 123456 | chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system “Existing Lecturer’s username, please using different Lecturer’s username” |
| 9 | Null input | Null | chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer ID must be the number only” |
| 10 | Null input | 123456 | Null | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s username must be only 4-16 alphabet characters” |
| 11 | Null input | 123456 | Chaichan | Null | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s password must be only 4-16 characters |
| 12 | Null input | 123456 | Chaichan | 1234 | 1234 | Null | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Lecturer’s name must be the combination of alphabet |
| 15 | Null input | 123456 | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | Null | 0822686387 | The system shall display “The Lecturer’s email must be the character and only one @ symbol |
| 16 | Null input | 123456 | chaichan | 1234 | 1234 | chaichan | camt | se | Cs@gmail.com | Null | The system shall display “The Lecturer’s tel must be number only” |
| 17 | Null input | 123456 | chaichan | 1234 | 1235 | chaichan | camt | se | Cs@gmail.com | 0822686387 | The system shall display “Password and confirm password is not matched” |

**Test Case5: Student can edit personal information (URS-5.1)**

**Description:**

The test is a testing system from the user requirement number 5.1. Student can edit personal information.

**Prerequisites or Test Input:**

The test data is the Student information

**Test Script**

1. Student type username and password for login and then click login
2. Student click Edit Information
3. Student Edit Information
4. Student click submit

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Description | Input | | | | | | | | | Expect Output |
| StudentID | Student username | Student password | Confirm password | Student Name | Student Faculty | Student Department | Student Email | Student tell |  |
| 1 | Valid input | 123456 | chaichan | 1234 | 1234 | chaichan | camt | se | Cs@gmail.com | 0822686387 | “Editing Successful” |
| 2 | Invalid input | abcd | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student ID must be the number only” |
| 3 | Invalid input | 123456 | Cs | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s username must be only 4-16 alphabet characters” |
| 4 | Invalid input | 123456 | Chaichan | 123 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s password must be only 4-16 characters |
| 5 | Invalid input | 123456 | Chaichan | 1234 | 1234 | palm@c | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s name must be the combination of alphabet and space only” |
| 6 | Invalid input | 123456 | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | TH0822686387 | The system shall display “The Student’s tel must be number only” |
| 7 | Invalid input | 123456 | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Csgmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s email must be the character and only one @ symbol |
| 8 | Existing input | 123456 | chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system “Existing Student’s username, please using different Student’s username” |
| 9 | Null input | Null | chaichan | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student ID must be the number only” |
| 10 | Null input | 123456 | Null | 1234 | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s username must be only 4-16 alphabet characters” |
| 11 | Null input | 123456 | Chaichan | Null | 1234 | Chaichan | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s password must be only 4-16 characters |
| 12 | Null input | 123456 | Chaichan | 1234 | 1234 | Null | Camt | Se | [Cs@gmail.com](mailto:Cs@gmail.com) | 0822686387 | The system shall display “The Student’s name must be the combination of alphabet |
| 15 | Null input | 123456 | Chaichan | 1234 | 1234 | Chaichan | Camt | Se | Null | 0822686387 | The system shall display “The Student’s email must be the character and only one @ symbol |
| 16 | Null input | 123456 | chaichan | 1234 | 1234 | chaichan | camt | se | Cs@gmail.com | Null | The system shall display “The Student’s tel must be number only” |
| 17 | Invalid input | 123456 | chaichan | 1234 | 1235 | chaichan | camt | se | Cs@gmail.com | 0822686387 | The system shall display “Password and confirm password is not matched” |

**Test Case 6: user can login (UC-6.1)**

**Description:**

The test is a testing system from the use case number 6.1. Lecturer can login via username and password

**Prerequisites or Test Input:**

Username and password of user

**Test Script**

1. User click type Username and password and then click login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case id | Description | Input | | output |
| Username | password |
| 1 | Valid Input | Chaichan | 1234 | Go to lecturer main page |
| 2 | Invalid Input | Aaasc | 54321 | System show error message “Invalid Username and/or Password” |

**Test Case 7: user can logout (UC-7.1)**

**Description:**

The test is a testing system from the user requirement number 7.1. User can logout via username and password

**Prerequisites or Test Input:**

User login status

**Test script**

1. User click Login button

|  |  |  |
| --- | --- | --- |
| Test case id | Input Description | Expect output |
| 1 | User click log out | Go to Login page |

**Test Case 8: Administrator can create semester (URS-8.1)**

**Description:**

The test is a testing system from the user requirement number 8.1. Administrator can create semester

**Prerequisites or Test Input:** Semester information

**Test Script**

1. Administrator login to system

2.click Semester management

3. click Create semester

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Description | Input | | output |
| Name | description |  |
| 1 | Valid Input | Year 4 | 1/2557 | “Addition Semester Successful” message. |
| 2 | In Valid Input | Year 4 | one | “Semester academic year must be S/YYYY form. Which S is a semester and YYYY is an academic year” |
| 3 | Existing Input | Year 4 | 1/2557 | ” The semester and academic year that already exist please type the another semester or academic year” |

**Test Case 9: Administrator can edit semester (URS-9.1)**

**Description:**

The test is a testing system from the user requirement number 9.1. Administrator can edit semester

**Prerequisites or Test Input:** Semester information

**Test Script**

1. Administrator login to system

2. click Semester management

3. click Edit semester

4. Select semester for edit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test case | Description | Input | | output |
| Name | description |  |
| 1 | Valid Input | Year 4 | 1/2557 | editting Semester Successful” message. |
| 2 | Invalid Input |  | one | “Semester academic year must be S/YYYY form. Which S is a semester and YYYY is an academic year” |
| 3 | Existing Input | Year 4 | 1/2557 | ” The semester and academic year that already exist please type the another semester or academic year” |

**Test Case 10: Administrator can delete semester (URS-10.1)**

**Description:**

The test is a testing system from the user requirement number 10.1. Administrator can delete semester

**Prerequisites or Test Input:** Semester information

**Test Script**

1. Administrator login to system

2. click Semester management

3. click Edit semester

4. Select semester for Delete

|  |  |  |
| --- | --- | --- |
| Test case | Input description | output |
| 1 | Click “delete semester” | The system show “deleting Semester Successful” message. |

**Test Case 11: Administrator can create course (URS-1.1)**

**Description:**

The test is a testing system from the user requirement number 11.1. Administrator can create course

**Prerequisites or Test Input**: Course information

**Test Script**

1. Administrator login to system

2. Click Course management

3. Click Create Course

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test case | Description | Input | | | | output |
| Course name | Course credit | Course description | Lecturer Name |  |
| 1 | Valid Input | Se101 | 1 | Basic | chaichan | “Adding Course Successful” message. |
| 2 | Invalid Input | Se101 | one | Basic | Chaichan | “The course credit must be number only” |

**Test Case 12: Administrator can edit course (URS-12.1)**

**Description:**

The test is a testing system from the user requirement number 12.1. Administrator can edit course

**Prerequisites or Test Input :** Course information

**Test Script**

1. Administrator login to system

2. Click Course management  
3.Click Edit Course  
4. Select Course for edit

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test case | Description | Input | | | | output |
| Course name | Course credit | Course description | Lecturer Name |  |
| 1 | Valid input | Se101 | 1 | Basic | chaichan | “Editting Course Successful” message. |
| 2 | Invalid input | Se101 | one | Basic | Chaichan | “The course credit must be number only” |

**Test Case 13: Administrator can delete course (URS-13.1)**

**Description:**

The test is a testing system from the user requirement number 13.1. Administrator can edit course

**Prerequisites or Test Input:** Course information

**Test Script**

1. Administrator login to system

2. Click Course management  
3.Click Delete Course  
4. Select Course for Delete

|  |  |  |
| --- | --- | --- |
| Test case | Input Description | output |
|  |
| 1 | Click Delete | “Deleting Course Successful” message. |

**Test Case 14: Lecturer can view course (URS-14.1)**

**Description:**

The test is a testing system from the user requirement number 14.1. Lecturer can view course

**Prerequisites or Test Input :** Course information

**Test Script**

1. Lecturer login to system
2. Lecturer click view course
3. Lecturer select course for view

|  |  |  |
| --- | --- | --- |
| Test case | Input description | output |
| 1 | Click view course | The system show course information |

**Test Case 15: Student can view course (URS-15.1)**

**Description:**

The test is a testing system from the user requirement number 15.1. Student can view course

**Prerequisites or Test Input :** Course information

**Test Script**

1. Student login to system
2. Student click view course
3. Student select course for view

|  |  |  |
| --- | --- | --- |
| Test case | Input description | output |
| 1 | Click view course | The system show course information |

**Test Case 16: Lecturer can create quiz (URS-16.1)**

**Description:**

The test is a testing system from the use case number 17.1. Lecturer can a create quiz

**Prerequisites or Test Input:** Quiz Information

**Test script**

1.Lecturer login to system

2.Lecturer click course management system

3.Lecturer click Quiz management system

4.Lecturer click Create Quiz

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Description | Input | | | | | | | | | |  | Output |
| Test name | type of testing | amount of question | student name | the question status | Posting status | type of question | question description | choice description | Anwser | Question point |
| 1 | Valid input | Lap test | assignment | 3 | 542115016 | Random | Available | Multiple choice | 1+1=? | A:1,B:2 | B | 1 | The system displays “Creating Quiz Successful” |
| 2 | Invalid input | Lap test | assignment | 3 | 542115016 | Random | Available | True/false question | 1+1=2 | A:True, B:False | A | 1 | The system displays “Creating Quiz Successful” |
| 3 | Invalid input | Lap test | assignment | 3 | 542115016 | Random | Available | Short Anwser | 1+1=? | null | null | 1 | The system displays “Creating Quiz Successful” |
| 4 | Invalid input | Lap test | assignment | three | 542115016 | Random | Available | Short Anwser | 1+1=? | null | null | 1 | The system displays “Question point must be number only” |
| 5 | Invalid input | Lap test | assignment | three | 542115016 | Random | Available | Short Anwser | 1+1=? | null | null | one | The system displays “Testing score must be number only” |
| 6 | Invalid input | Lap test | assignment | 3 | 542115016 | Random | Available | Multiple choice | 1+1=? | A:1,B:2 | 2 | 1 | The system displays “Answer must be a, b, c, and d only |
| 7 | Invalid input | Lap test | assignment | 3 | 542115016 | Random | Available | True/false question | 1+1=2 | A:True, B:False | C | 1 | The system displays “Answer must be a and b only” |

**Test Case 17: Lecturer can edit quiz (URS17.1)**

**Description:**

The test is a testing system from the use case number 17.1. Lecturer can edit quiz

**Prerequisites or Test Input:** test information

**Test script**

1.Lecturer login to system

2.Lecturer click course management system

3.Lecturer click Quiz management system

4.Lecturer click Edit Quiz

5.Lecturer select course to edit

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Description | Input | | | | | | | | | |  | Output |
| Test name | type of testing | amount of question | student name | the question status | Posting status | type of question | question description | choice description | Anwser | Question point |
| 1 | Valid Input | Lap test | assignment | 3 | 542115016 | Random | Availabble | Multiple choice | 1+1=? | A:1,B:2 | B | 1 | The system displays “Editting Quiz Successful” |
| 2 | Invalid Input | Lap test | assignment | 3 | 542115016 | Random | Availabble | True/false question | 1+1=2 | A:True, B:False | A | 1 | The system displays “Creating Quiz Successful” |
| 3 | Invalid Input | Lap test | assignment | 3 | 542115016 | Random | Availabble | Short Anwser | 1+1=? | null | null | 1 | The system displays “Creating Quiz Successful” |
| 4 | Invalid Input | Lap test | assignment | three | 542115016 | Random | Availabble | Short Anwser | 1+1=? | null | null | 1 | The system displays “Question point must be number only” |
| 5 | Invalid Input | Lap test | assignment | three | 542115016 | Random | Availabble | Short Anwser | 1+1=? | null | null | one | The system displays “Testing score must be number only” |
| 6 | Invalid Input | Lap test | assignment | 3 | 542115016 | Random | Availabble | Multiple choice | 1+1=? | A:1,B:2 | 2 | 1 | The system displays “Answer must be a, b, c, and d only |
| 7 | Invalid Input | Lap test | assignment | 3 | 542115016 | Random | Availabble | True/false question | 1+1=2 | A:True, B:False | C | 1 | The system displays “Answer must be a and b only” |

**Test Case 18: Lecturer can delete quiz (URS-18.1)**

**Description:**

The test is a testing system from the use case number 18.1. Lecturer can delete quiz

**Prerequisites or Test Input:** test information

**Test script**

1.Lecturer login to system

2.Lecturer click course management system

3.Lecturer click Quiz management system

4.Lecturer click Delete Quiz

|  |  |  |
| --- | --- | --- |
| Test ID | Input Description | Output |
| 1 | Click delete quiz | “Deleting Quiz Successful” |
| 2 | Cllick deleteAssignment | “Deleting Assignment Successful |

**Test Case 19: Lecturer can mark point. (URS-19.1)**

**Description:**

The test is a testing system from the use case number 19.1. Lecturer can mark point

**Prerequisites or Test Input:** test information

**Test script**

1.Lecturer login to system

2.Lecturer click course management system

3.Lecturer click Quiz management

4.Lecturer click Mark point for short answer

|  |  |  |
| --- | --- | --- |
| Test case | Input description | Output |
| 1 | 1 | The system displays “Marking point is successful” |
| 2 | one | The system show error message is “Point of student must be number only” |

**Test Case 20: Lecturer can review overall student’s answer in each choice of assignment or quiz in chart format (UC-20.1)**

**Description:**

The test is a testing system from the use case number 20.1. Lecturer can view student answer in chart format.

**Prerequisites or Test Input:** Student answer

**Test script**

1.Lecturer login to system

2.Lecturer click course management system

3.Lecturer click Quiz management

4.Lecturer click review Student’s answer

|  |  |  |
| --- | --- | --- |
| Test case | Input description | Output |
| 1 | Click view student answer | System display Student Answer in chart format |

**Test Case 21: Lecturer can check time of submitted quiz. (UC-21.1)**

**Description:**

The test is a testing system from the use case number 21.1. Lecturer can time of submitted quiz

**Prerequisites or Test Input:** Quiz of student

**Test script**

1.Lecturer login to system

2.Lecturer click course management system

3.Lecturer click Quiz management

4.Lecturer click check time of submitted

|  |  |  |
| --- | --- | --- |
| Test case | Input description | output |
| 1 | Click check time of submitted quiz | System display time of submitted quiz |

**Test Case 22: Student can take quiz. (URS-22.1)**

**Description:**

The test is a testing system from the use case number 22.1. student can take quiz

**Prerequisites or Test Input:** Quiz or assignment

**Test Script**

1.Student login to system

2.Student select course

3.Student click do Quiz

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Description | Input | | Output |
| type of question | Answer |  |
| 1 | Valid Input | Multiple choice | B | The system redirect to next question |
| 2 | Invalid Input | True/false question | A | The system redirect to next question |
| 3 | Invalid Input | Short Anwser | two | The system redirect to next question |
| 6 | Invalid Input | Multiple choice | 2 | The system displays “Answer must be a, b, c, and d only” |
| 7 | Invalid Input | True/false question | C | The system displays “Answer must be a and b only” |