**Validation Test:**

**User functionality:**

|  |  |
| --- | --- |
| Login function | Complete |
| Register function | Complete |
| User page | Partially complete (only student page complete. Teacher, staff, and admin’s page not complete) |
| Database | Complete |
| Edit personal information | Incomplete |

**Student functionality:**

|  |  |
| --- | --- |
| Add/Drop courses | Incomplete |
| Check GPA | Complete |
| View course Timetable | Complete |
| Access course news | Incomplete |
| Participate in the public forum | Incomplete |
| Student’s web page | Complete |

**System functionality:**

|  |  |
| --- | --- |
| Data encryption | Incomplete |
| Facility booking system | Complete |
| Graphical user interface | Complete |

Unfortunately, there is not enough time for us to develop other types of user’s web page and functions. Therefore, there is not any validation test for other types of users.

**Defect Testing Part:**

**Testing Plan of Login Page (Login Function):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case | Description | Test Step | Expected Result | Status |
| Login | To check user can login within the procedure or not | Enter the email and password, then click login | If the email and password could be found in the database, then user can go to different pages by their user type in database, else user would go back to login page | Pass |
| Email Text Box | To check if the input is valid | Enter a text with “@” | Text box should accept this input and start to check the database | Pass |
| Email Text Box | To check if the input is invalid | Enter a text without “@” | Text box should not accept this input | Fail, invalid text accepted |
| Password Text Box | To check the input of different pattern | Enter some no rule texts | Text box should accept this input and start to check the database | Pass |
| Email Text Box | To check the input of null | Do not enter any text and click the login button | Text box should not accept this input | Pass |
| Password Test Box | To check the input of null | Do not enter any text and click the login button | Text box should not accept this input | Pass |

**Testing Plan of Login Page (Register Function):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case | Description | Test Step | Expected Result | Status |
| Register | To check user can register the new account or not | Enter all the text box with no rule text, but userID column need to enter a null record that only contain userID in database | Since the null record used for testing is a student record, database should generate a new record with the input data, and user would go to the student page | Pass |
| Register | To check the result when the userID is not include by the database | Enter some no rule texts and a invalid userID | Since the database doesn’t contain that invalid userID, user would back to login page and no new record is generated. | Pass, but the window alert is wrong |
| Email Text Box | To check if the input is valid | Enter a text with “@” | Text box should accept this input | Pass |
| Email Text Box | To check if the input is invalid | Enter a text without “@” | Text box should not accept this input | Pass |
| Email Text Box | To check the input of null | Do not enter any text in this box except other boxes and click the register button | Text box should not accept this input | Pass |
| Password Text Box | To check if the input is valid | Enter some no rule texts | Text box should accept this input | Pass |
| Password Text Box | To check the input of null | Do not enter any text in this box except other boxes and click the register button | Text box should not accept this input | Pass |
| First Name Text Box | To check if the input is valid | Enter some no rule texts | Text box should accept this input | Pass |
| First Name Text Box | To check the input of null | Do not enter any text in this box except other boxes and click the register button | Text box should not accept this input | Pass |
| Last Name Test Box | To check if the input is valid | Enter some no rule texts | Text box should accept this input | Pass |
| Last Name Test Box | To check the input of null | Do not enter any text in this box except other boxes and click the register button | Text box should not accept this input | Pass |