**COMP S350F**

**Testing plan**

**Group 29**

**Members:**

**LEE Shu Kuen Joe 13050317**

**TSANG Kwok Yiu Kwok 13080961**

**LAI Pak Lun Patrick 13035707**

**LU Yuk Tong Tony 13439007**

The system is divided into two parts: Login system and Record system. The table shows the implementation and expected outputs for each role.

|  |  |  |
| --- | --- | --- |
|  | Implementation | Expected output |
| Login system | Empty input and click Login button | Fail, output incorrect Account/Password and request user to enter the correct credentials. |
| Using incorrect account and password to login | Fail, output incorrect Account/Password and request user to enter the correct credentials. |
| Using different accounts to login to other pages/roles  Student -> Teacher  Teacher -> Student | Fail, output incorrect authentication and request user to enter the correct credentials. |
| input correct account and password then login | Success, go to the Record page |
| Click the exit button | Turn off the system |
| Record system | Click the data in the table | Show that row data |
| **Students** edit their personal information | Success, Update the change |
| **Students** input symbol in their personal information | Fail, personal information can only be character or integer |
| **Students** edit their academic records | Fail, Student cannot edit their academic records |
| **Teacher** edits student’s personal information | Fail, Teacher cannot edit student’s personal information |
| **Teacher** edits academic records | Success, Update the change |
| **IT Technicians** student’s personal information | Success, Update the change |
| **IT Technicians** edits academic records | Success, Update the change |
| **IT Technicians** edits  ->Student  ->Teacher  account or password | Success, Update the change |
| click logout button | go to the Login page |

**Data validation**

Both login and record system have data validation. For example, checking digits, formats, length, range of data and presence of fields. This is because we will implement a character limit on the expected length on certain values over others. For example, the student ID should be of a certain length and data type, while a name can be of a set length and different data type.