

# COMP S350F Software Engineering

## Project Testing Plan

Group members: So Man Ching, Kwok Yiu Man, Leung Fat Leung

### A. Validation Test

#### i. Application status

Our application is a Student Grade Record System, provide students and teachers with a platform to upload and read the data, such as name and academic result. Currently the user can login with different identity: Teacher, Student or Admin, once they login, they will be able to use certain function that is available for their identity. The teacher can read, update and delete academic record of any students; The student can read all their own record, and can only update their personal information, e.g. address, date of birth; and the admin can read, update and delete all record of any students.

#### ii. Test cases

Test Case	Step	Description	Status	Expect result
Login as teacher	1	Open the app	Pass	open the app without error
	2	Enter username and password	Pass	if the data is match with the database, user can login successfully
	3	User can browse students' grade in all subject	Pass	All result is display without any error
	4	User can modified students' grade in different subject	Pass	Student subject result can be change

Test Case	Step	Description	Status	Expect result
Student can edit their information	1	Open the app	Pass	open the app without error

	2	Enter username and password	Pass	if the data is match with the database, user can login successfully
	3	User can update their home address	Pass	The data is updated in the database

Test Case	Step	Description	Status	Expect result
Admin can remove a student record	1	Open the app	Pass	open the app without error
	2	Enter username and password	Pass	if the data is match with the database, user can login successfully
	3	User can select a record from the data base	Pass	A result will be display without error
	4	User can delete the record	Pass	The record is removed from the database

## B. Defect Testing

Defect	Normal results that should occur
After entering the username and password, press Enter, and then press login, the software will suddenly error.	After entering the username and password, press Enter, and then press login to enter the relevant screen directly.
The admin failed to change the student's password in the software	The admin should be able to change the student's password in the software
After students log in to the student page, it does not turn into a black dot when they enter their password.	After students log in to the student page, a black dot should be displayed when they enter their password.