



SOFTWARE TESTING PLAN

Software Engineering

Project Group Number: 52

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Validation Test

We will do the demonstrate to show our system meets the requirements.

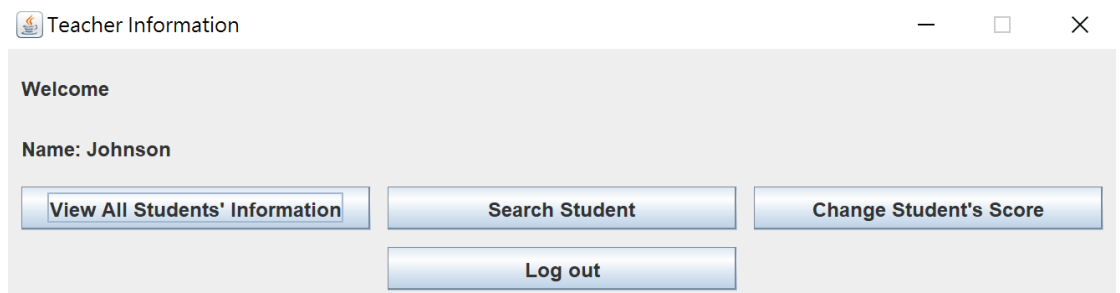
I. Login

When user login, it will turn to different frame depends on user type.

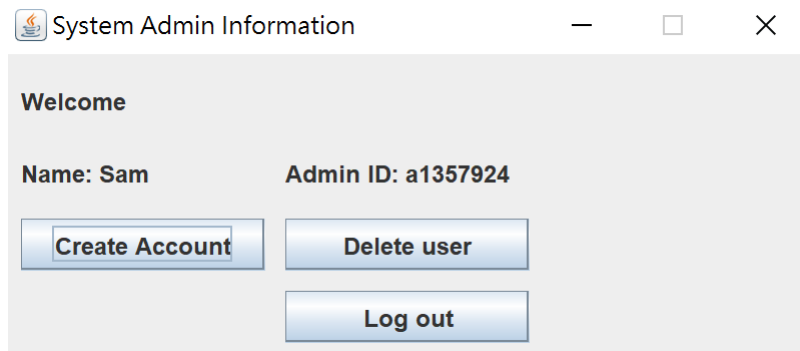
(a) Student



(b) Teacher

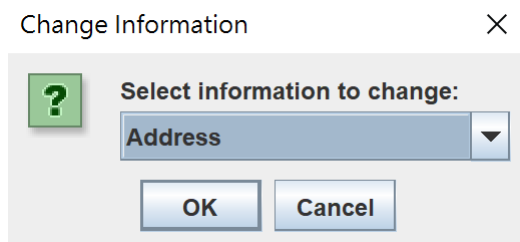


(c) Admin



II. Student's function


(a) Change personal information



III. Teacher's function

(a) View all students' information

All Students' Info ×



Student Name: John
Student ID: s1234567
Gender: Male
Contact Number: 57257753
Address:
GPA: 0.0


Student Name: May
Student ID: s6789012
Gender: Female
Contact Number: 59662035
Address:
GPA: 0.0

Student Name: Tom
Student ID: s2468024
Gender: Male
Contact Number: 69769322
Address:
GPA: 0.0

OK

(b) Search student


Search Student ×



Enter student's name or ID

OK Cancel


Student Search ×



Student Name: John
Student ID: s1234567
Gender: Male
Contact Number: 57257753
Address:
GPA: 0.0


(c) Change student score

Input ×



Enter student ID:

Input ×




Enter new GPA for John

IV. Admin's function

(a) Create account

Create Account ×




Select user type (Student/Teacher):

Student


▼

Create Account ×




Enter student's name:

Create Account X

 Enter password:


OK Cancel

Create Account X

 Enter contact number:


OK Cancel

Create Account X

 Enter gender:

OK Cancel


Create Account X

 User Type: Student
Student ID: s9601078
Student Name:eva
Password:student7

OK


(b) Delete user

Delete User X

 Enter user ID to delete user


OK Cancel

Delete User X

 Are you sure to delete this user?

Yes No

Delete User X

 User Deleted

OK

These functions meets the user requirements, and works in our expectation.

Defect Testing

In this system, we found that there is some faults and defects.

For example:

- (a) In “Create Account”, if admin didn’t type anything on the text area, it won’t show any error and still go through, but it won’t show the result of created user.
- (b) In “Change Student Score”, if teacher input the GPA is higher than 4, it can still be updated and have no error.
- (c) In “Change Personal Information”, if student only input integer in address part, it won’t show any error message.
- (d) In “Change Personal Information”, if student does not type 8 digit in contact number, it won’t show any error message.