User Guide

1. Main console

Figure 1. Main console

Figure 1-(a) shows the main user interface of a Course Management System. There is 5 different options user can choose from. The corresponding action will be prompted once user enter a number of action. If the system detect invalid value other than 5 numbers in a menu, an error message will be displayed and the menu will be displayed again for the right choice as shown in *Figure 1-(b)*.

2. Add a student

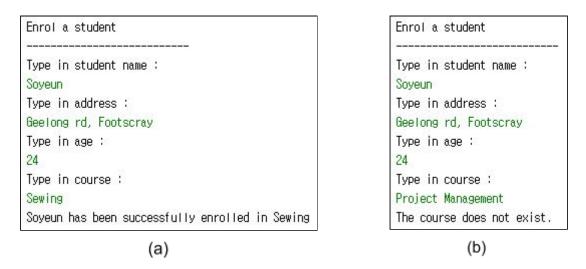Figure 2. Adding students

Second menu option is for adding a new student in a course. This option prompts for the information that the system need to store a new student in a course as shown in *Figure 2-(a)*. The student will not be added if the student is already enrolled or the course is full. If the user try to add a student in a not existing course, it gives an error like Figure 2-(b). The

name and age is mandatory field to fill in and if the address is not specified, it stores address unknown.

3. Withdraw a student

```
Withdraw a student
---------------------------
Enter a student name:
Larry Berry
Enter a course id:
003
Student Larry Berry successfully withdrawn from course 003
```

(a)

```
Withdraw a student
----------------------------
Enter a student name:
Hannah
Enter a course id:
001
Student does not exist.
```

(b)

Figure 3. Withdrawing a student

Withdrawing a student is prompted by student name and the course id that the student is enrolled. If the user try to withdraw a student from wrong course or the student is not in the course, an error message will be shown.

4. Display a student list for a course

```
Enter number option:
3
Enter course ID:
003
== Students in Sewing ===
Student Name: Jane Jones, Address: Address Unknown, Age: 24
Student Name: Larry Berry, Address: 1/9 Charles Court, Age: 55
Student Name: James Smith, Address: 21 Baker Street, Age: 25
```

Figure 4. All students in a course

Third option return all students in a given course by user. It shows student name, address and age as above. Error message will be prompted on wrong course ID input.

5. Display the course figures

```
Enter number option:
4
Italian Cooking: Students 1, Income 400, Cost 1000, Profit -600
Seafood Cooking: Students 1, Income 560, Cost 1000, Profit -440
Sewing: Students 2, Income 840, Cost 200, Profit 640
Creative Writing: Students 0, Income 0, Cost 800, Profit -800
Business Writing: Students 0, Income 0, Cost 600, Profit -600
```

Figure 5. Course Figures

Option four produces all the course figures as *Figure 5*. It shows the name of course and corresponding number of student, income, cost, and a profit.

6. Change the course fee

```
Please enter course Id to change charge fees
002
Please enter fee amount to update
250
Course Seafood Cooking's fee has been updated to 250
```

Figure 6. Change course fee

This is a function that is adjusted by the change of product log. For easy change of the course fee in the future by the user, the option 5 prompts for the course ID and a new course fee.

7. Quit the system

```
Course Management System
----------------------------
1. Add a student
2. Withdraw a student
3. Display a student list for a course
4. Display the course figures
5. Change Course fee
6. Quit
Enter number option:
6
Good bye
```

Figure 7. Terminate the system

Main menu option 5 terminates the system and all the changes will be saved in the database.