II. Student Information System

In a University, "Student Information System" is used for education establishments to manage student data. In student information, the following facts are contained.

Entrance Number, Roll Number, Student Name, Sex, Father Name, Address, Class/Year, Major and Specialized Subject
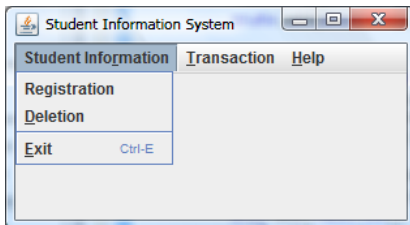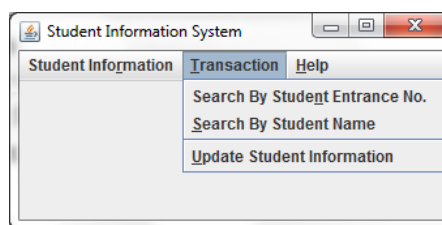
- **Main menu and Sub menus**
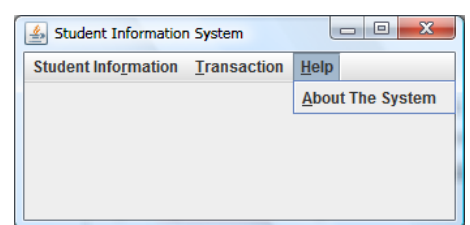

| Figure 1(a) | Figure 1(b) | Figure 1(c) |

- **Student Registration**

Figure 2(a) shows the student registration form. Entrance number should automatically be increased and shown when user starts to register. In other words, user doesn't need to type the entrance number in the form. When user can successfully register the student information, "Student Registration is Successful!" message must be shown in Figure 2(b) and then the filled student information must be clear in that form.
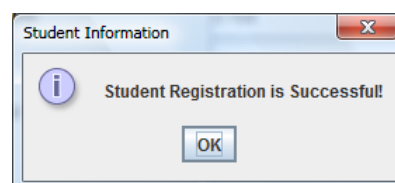

Figure 2(a)

Figure 2(b)

- **Deletion**

If the student resigns from University, that student information must be deleted from student database according to the entrance number. Figure 3(a) shows the "Deletion" form. Initially, "Delete" button must be deactivated. At First, search student information which will be deleted by the entrance number. If that student exists, student information shown in Figure 3(b) will be displayed and "Delete" button will be activated. Otherwise, display message shown in Figure 3(c). Before deleting the information, confirm the user and the process is finished, show the successful message illustrated in Figure 3(d) and (e).

Figure 3(a)　　　　　　　Figure 3(b)　　　　　　　Figure 3(c)

Figure 3(d)　　　　　　　Figure 3(e)

- **Searching under Transaction menu**

In searching the student information, user can search it by Entrance No. / Student Name. From Figure 4(a) to Figure 4(f), the "Search" forms and results are shown.

Figure 4(a)　　　　　　　Figure 4(b)　　　　　　　Figure 4(c)

Figure 4(d)　　　　　　　Figure 4(e)　　　　　　　Figure 4(f)

- **Update Student Information Form**

When the student changes the address, the "Address" of that student must be updated in database. In Update Form, "update" button is initially disabled. When the cursor is focused out "Entrance No." textfield, the student information will be displayed like Figure 5(a) and "update" button will be enabled. Otherwise, Figure 5(e) message will be returned. When you click on "Update", ask the user to enter new address shown in Figure 5(b). If the update process is successful, the successful message is shown in Figure 5(c) and the updated information will be displayed in the form like Figure 5(d).

Figure 5(a)

Figure 5(b)

Figure 5(c)

Figure 5(d)

Figure 5(e)

When clicking on 'cancel' button in every form, the following dialog must be shown to get the user confirmation.