

University of Computer Studies, Yangon (Bahan Campus)
2013 - 2014 Academic Year
Second Year (204 - Java Programming), Group Assignment (Project)

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**

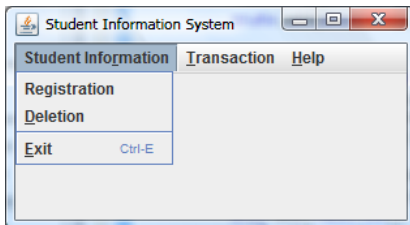


Figure 1(a)

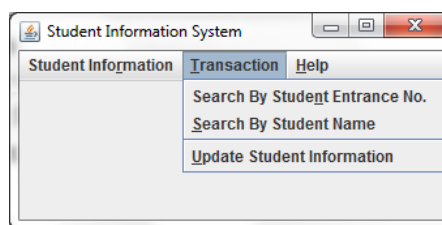


Figure 1(b)

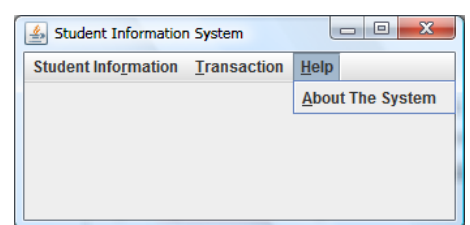


Figure 1(c)

- **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)

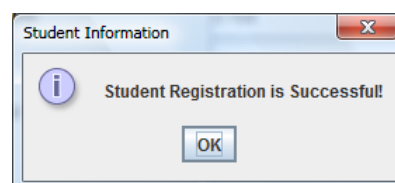


Figure 2(b)

- **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).

Deletion

Entrance No.

Search Delete Cancel

Figure 3(a)

Deletion

Studentt Information is
 Entrance Number = 1
 Roll Number = 1
 Student Name = Mg Mg
 Gender = Male
 Father Name = U Ba
 Address = Latha
 Year = Second Year
 Major = Computer Techniques
 Specialized Subject = Networking

OK

Figure 3(b)

Deletion

Student Information was not found!

OK

Figure 3(c)

Deletion

Are you sure to delete it?

Yes No

Figure 3(d)

Deletion

Deletion is Successful!

OK

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.

Search By Entrance No.

Enter Entrance No.

Search Clear Cancel

Figure 4(a)

Search By Entrance No.

Entrance Number = 2
 Roll Number = 2
 Student Name = Ma Ma
 Gender = Female
 Father Name = U Aye
 Address = Yankin
 Year = Second Year
 Major = Computer Science
 Specialized Subject = Knowledge Engineering

OK

Figure 4(b)

Search By Entrance No.

Student Information is Not Found!

OK

Figure 4(c)

Search By Name

Enter Name

Search Clear Cancel

Figure 4(d)

Search By Name

Entrance Number = 3
 Roll Number = 3
 Student Name = Mg Hla
 Gender = null
 Father Name = U Mya
 Address = Yangon
 Year = Second Year
 Major = Computer Science
 Specialized Subject = Knowledge Engineering

OK

Figure 4(e)

Search By Name

Student Information was Not Found!

OK

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).

Student Update Information

Entrance No: 3

Roll NO: 3

Student Name: Mg Hla

Sex: ☐ Male ☒ Female

Father Name: U Mya

Address: Yangon

Class Year: Second Year

Major: Computer Science

Specialized Subjects: Embedded System, Networking, Knowledge Engineering

Update Clear Cancel

Figure 5(a)

Student Update Information

? Please enter new address

OK Cancel

Figure 5(b)

Student Update Information

i Address update is successful!

OK

Figure 5(c)

Student Update Information

Entrance No: 3

Roll NO: 3

Student Name: Mg Hla

Sex: ☐ Male ☒ Female

Father Name: U Mya

Address: Mandalay

Class Year: Second Year

Major: Computer Science

Specialized Subjects: Embedded System, Networking, Knowledge Engineering

Update Clear Cancel

Figure 5(d)

Student Update Information

i Student Information was not found!

OK

Figure 5(e)

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

Confirmation

? Are you sure to exit?

Yes No