## Programming Languages Project Template

1. Student/Project Information:

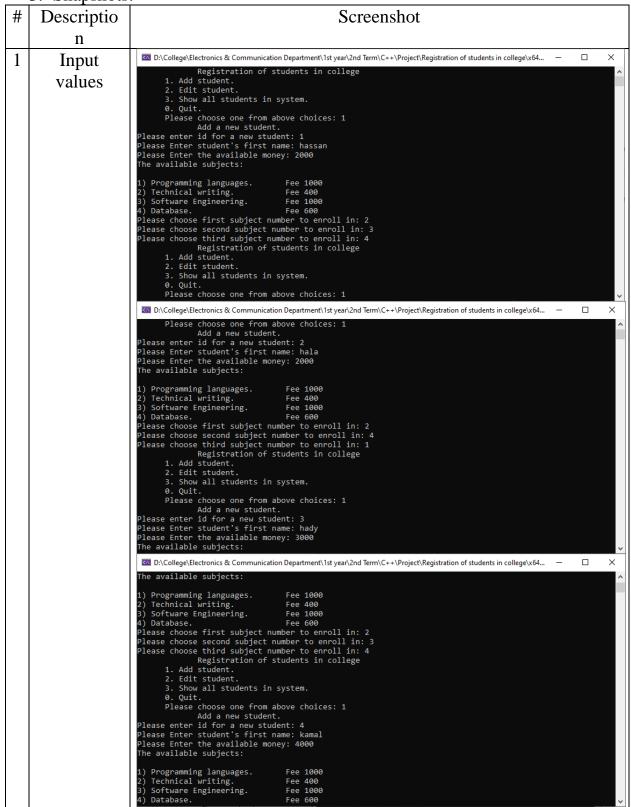
Student Name:	Mohamed Sherif Mohamed Mohamed
Student's Section	9
Number:	
Selected project:	Registration of students in college
Project description:	The project's goal is to manage student registration for
	subjects in the credit hour system. Every student is
	required to enroll in a number of subjects, and each
	subject has a fee. The application adds student data,
	and each student data contains the student id, available
	money, name, and name of topics chosen by the
	student to enroll in. Each student is required to take
	three subjects. Any student data may be edited, and
	new students may be added, using the application.
	Finally, the application has the ability to print a
	summary of the student's data.

## 2. Code Information:

#	Line number (from-	Function	Description
	to)	name	
1	22-59	main	The main function.
2	30-36	main	Checking if the user exceeded the
			limit (100 student).
3	39-44 & 47-52	main	Detecting if the user didn't add any
			students yet.
4	26-56	main	Navigate the user to the function
			which achieves his choice.
5	61-69	intro	This function doesn't receive any
			parameters and its function is to
			present the main page and receives
			user's choice.
6	71-177	add	This function doesn't receive any
			parameters and its function is to

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			receive id, first name, and available
			money of the new student.
7	74-85	add	Receives the id and check if the
	207-222	edit	entered id had been entered before.
8	88-96	add	Receives the money and checking if
	225-233	edit	the available money is enough or not.
9	113-116 & 139-142	add	Checking if this subject had been
	274-277 & 300-303	edit	chosen before.
10	120-131 & 144-174	add	Checking the remaining money if it
	281-293 & 304-336	edit	can't be enough for the subject.
11	179-201	submit	This function receives three
			parameters (Subject Choice, Student
			Index, Subject Order).
			Subject choice is the subject which
			the student wants w enroll.
			Student index is the index of the
			student who will enroll to this subject.
			Subject order is the order of the
			subject in his list.
			Its function is to store this information
			to this specific student and take the
			fees from his money.
12	203-346	edit	This function doesn't receive any
			parameters and its function is to
			receive id of the student who will be
			edited, his new first name, new
			available money, and if he wants to
			change his submitted subjects it
			changes them.
6	348-358	summary	This function doesn't receive any
			parameters and its function is to
			summarize the input students
			information.
-			

3. Snapshots:



```
🔤 D:\College\Electronics & Communication Department\1st year\2nd Term\C++\Project\Registration of students in college\x64... —
3
                    Error
                                                                                      Registration of students in college
              checking
                                                                     1. Add student.
                                                                     Edit student.
                   output
                                                                     0. Quit.
                                                                     Please choose one from above choices: 1
                                                        Add a new student.

Please enter id for a new student: 1

Error! There is a student with this id.

Please enter id for a new student: 5

Please Enter student's first name: mohamed

Please Enter the available money: 1500
                                                        Error! The available money is less than the total fees of subjects.
Please Enter the available money: 4000
                                                         The available subjects:
                                                             Programming languages.
Technical writing.
Software Engineering.
                                                                                                                           Fee 1000
                                                                                                                         Fee 400
Fee 1000
                                                                                                                           Fee 600
                                                        4) Database.
                                                        Please choose first subject number to enroll in: 1
Please choose second subject number to enroll in: 1
Error! You chose this subject before.
                                                        Please choose second subject number to enroll in: 3
Please choose third subject number to enroll in: 4
                                                          M D:\College\Electronics & Communication Department\1st year\2nd Term\C++\Project\Registration of students in college\x64\...
                                                         Please choose second subject number to enroll in:
Error! You chose this subject before.
                                                       Error! You chose this subject before.
Please choose second subject number to enroll in: 3
Please choose third subject number to enroll in: 4
Registration of students in college
1. Add student.
2. Edit student.
3. Show all students in system.
0. Quit.
                                                                     Please choose one from above choices: 3
                                                         Students registered in application.
Summary of students registered in system:

    Name is hassan and subjects enrolled in are (Technical writing, Software Engineering, Database).
    Name is hala and subjects enrolled in are (Technical writing, Database, Programming languages).
    Name is hady and subjects enrolled in are (Technical writing, Software Engineering, Database).
    Name is kamal and subjects enrolled in are (Database, Software Engineering, Programming languages).
    Name is mohamed and subjects enrolled in are (Programming languages, Software Engineering, Database)

                                                                                   Registration of students in college
                                                                    1. Add student.
2. Edit student.
                                                                     0. Ouit.
                                                                     Please choose one from above choices:
                                                          x64\... D:\College\Electronics & Communication Department\1st year\2nd Term\C++\Project\Registration of students in college\x64\...
                                                                                  Registration of students in college
                                                                     1. Add student.
                                                                    2. Edit student.
3. Show all students in system.
0. Quit.
                                                        Please choose one from above choices: 2
Edit a student.
Please enter id for a student to edit: 5
                                                        Please Enter your student new name: sherif
Please Enter your student new available money: 2000
                                                        The chosen subjects are: Programming languages, Software Engineering, Database.
Do you want to edit them Y/N: Y
The available subjects:

    Programming languages.
    Technical writing.
    Software Engineering.

                                                                                                                          Fee 1000
                                                                                                                          Fee 400
                                                                                                                          Fee 1000
                                                                                                                           Fee 600
                                                         4) Database.
                                                        Please choose first subject number to enroll in: 1
Please choose second subject number to enroll in: 1
                                                        Please Choose Second subject hefore.
Please choose second subject before.
Please choose second subject number to enroll in: 3
Error! The rest money is less than the total fees of the rest subjects.
Please choose second subject number to enroll in: 4
Please choose third subject number to enroll in: 2
```

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🔤 D:\College\Electronics & Communication Department\1st year\2nd Term\C++\Project\Registration of students in college\x64\...
Propri you chose this subject before.

Please choose second subject number to enroll in: 3

Error! The rest money is less than the total fees of the rest subjects.

Please choose second subject number to enroll in: 4

Please choose third subject number to enroll in: 2

Registration of students in college

1. Add student.

2. Edit student.

3. Show all students in system
               3. Show all students in system.
               0. Ouit.
              Please choose one from above choices: 3
   Students registered in application.
Summary of students registered in system:
1) Name is hassan and subjects enrolled in are (Technical writing, Software Engineering, Database).
2) Name is hala and subjects enrolled in are (Technical writing, Database, Programming languages).
3) Name is hady and subjects enrolled in are (Technical writing, Software Engineering, Database).
4) Name is kamal and subjects enrolled in are (Database, Software Engineering, Programming languages).
5) Name is sherif and subjects enrolled in are (Programming languages, Database, Technical writing).
Registration of students in college
1. Add student.

    Edit student.
    Show all students in system.
    Quit.

              Please choose one from above choices:
  Microsoft Visual Studio Debug Console
                                                                                                                                                                                                                                          Registration of students in college
            2. Edit student.
3. Show all students in system.
0. Quit.
     3. Show all students in system.
0. Quit.
Please choose one from above choices: 9
valid choice. Please try again.
Registration of students in college
1. Add student.
2. Edit student.
3. Show all students in system.
0. Quit.
Please choose one from above choices: 2
u hadn't add any student to edit.
Registration of students in college
1. Add student.
2. Edit student.
3. Show all students in system.
0. Quit.
Please choose one from above choices: 3
u hadn't add any student.
Registration of students in college
1. Add student.
Registration of students in college
1. Add student.
2. Edit student.
3. Show all students in system.
0. Quit.
Please choose one from above choices: 0
Vollege\Flectronics & Communication Department
      \College\Electronics & Communication Department\1st year\2nd Term\C++\Project\Registration of students in college\x64 bug\Registration of students in college.exe (process 9528) exited with code 0.

\Delta_{cfiv}
     + limitation error ... if the user exceeded the 100 this message
           will appear "Error! You exceeded the maximum number of
            students." Then returns to the main page (intro()). (I didn't
       attach its snapshot because I can't fill 101 students data now)
```