



Republic of the Philippines
RIZAL TECHNOLOGICAL
Cities of Mandaluyong and Pasig

COLLEGE OF ENGINEERING, ARCHITECTURE AND TECHNOLOGY

COMPUTER PROGRAMMING 1

(ITC111L)

Student Profile System

GRADE

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I. INTRODUCTION

Student profile system are used in recording a students information. A well-built one will reduce the load on the people that normally have to do all working- student information system is a good step for a school, it is useful especially when the school retrieves the important information from the student. Through it, the school can trace what are the standings of the students. Lack of student information system in a school can lead to chaos and troubles, the students will be confused on what should do and how they will do to be able to see the profile information of students enrolled. The system design project, student profile system will provide the needed system for storing, managing, and access to the information of students in a faster and more convenient.

II. DESCRIPTION OF THE PROJECT

A large amount of data is generated and used by a school system. This information must be communicated effectively to students, professor's, and school. A student profile system assists schools, student, teachers in storing, managing, and access the personal information of the students. Some student management systems are intended to meet all of the student data management requirements of a school. Student profile systems are more specialized. These specialized solutions address specific needs, such as school applications or tracking student information. Student profile systems offer numerous advantages to educational institutions, the majority of which stem from centralized data management and accessibility. Compliance at the state level and other regulatory requirements are also much easier to meet.

III. OBJECTIVES

The main objective of the study are to perform a task that add students' details, choose student profile, display information. It is purposed to reduce time spent on managing and access in their details.

1. To develop a program using C++ that provide an easy way of adding, managing, updating students' profile.
2. To find the information or data of the student easily.
3. The system is intended to accept process, generate students records to transcripts accurately.
4. The system is also intended to provide better services to users, provide meaningful, consistent and timely data and information and finally promotes efficiency by converting paper processes to electronic form.



IV. SIGNIFICANCE OF THE STUDY

Student profile system can be a big help in the campus in the view of fact that computer system function a lot of technology and stuff that run over a computer, it is very convenient because it can ease the problem of checking every students profile. This system will be useful and will benefit the following:

Students

The research is designated to help students from checking their profiles one by one through multiple papers in the school's office. By this project, students can efficiently check their profile online and visit it using their own account provided by the school office.

Professors

This research project might be helpful to Professor because they can simply check the profiles of the students through online, and having this student profile system can lessen the work of teachers in finding student profiles in papers. Professors, deans, and the school president are the ones that are allowed to visit your school profile so that they can check and visit your account profile easily without hassle.

School

The school will benefit a lot in approving the student profile system because this is one way to make sure that their students are enrolled and check their profiles one by one. Also to maintains order and organization within a school's records, and can make universities and colleges more efficient.

V. SCOPE AND DELIMITATIONS

This research has solely focused on providing students information that allows to storing, managing, and access their information in a quick, easy, and effective way. The proposed project will only be limited to the student's name, section, student number, course, sex, date of birth, address, mother's name, phone number of mother, occupation, father's name, phone number of father, occupation. Each user will be given the choice of whether to allow the application to display their course details. To make sure that the program's objective is achieved, we are still thinking about alternative system designs and design considerations.



VI. SCREEN OUTPUT



Figure 1 : The system asks the user to input basic personal details.

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Choose student number from 1-3

```

Student number #1
Name: Criszaldy Ortiz
Section: CEIT-37-102A
Student number: 2022-102727
Sex: M
Birthday: 03 24,2004
Address: 2139 Tuazon St. Malate, Manila City
Phone number: 09564803812
Father's name: Criszaldy Ortiz
Mother's name: Glenda Ortiz

Do you want to choose another student profile? [Y/N]

```

Figure 3 : The system will show the information of student and then it will ask you if you want to choose another student profile or not.



VII. SOURCE CODE

```
#include<iostream>
#include<string>
using namespace std;

int main()
{
    //START=WELCOME

    char a = 219;
    int x, i;

    cout << endl << endl << endl << endl << endl << endl << endl << endl << endl
<< endl;

    for (x = 0; x < 120; x++)
    {
        cout << a;
    }

    cout << "\t\t\t\t\t WELCOME TO STUDENT PROFILE SYSTEM \t\t\t\t\t";

    for (x = 0; x < 120; x++)
    {
        cout << a;
    }

    cout << endl << endl << endl << endl << endl << endl << "\n\n\n\n\n";

    system("pause");
    system("cls");
```



```
// storing information
```

```
string fn[10];
string sur[10];
string sec[10];
string studno[10];
string sex[10];
string birthm[10], birthd[10], birthy[10];
string lotno[10], str[10], brngy[10], ct[10];
string fname[10];
string gno[10];
string mname[10];
```

```
loop:
```

```
for (x = 0; x < 120; x++)
{
    cout << a;
}
```

```
cout << "\t\t\t\t\t Student Profile System" << endl;
```

```
for (x = 0; x < 120; x++)
{
    cout << a;
}
```

```
int ctr;
cout << "\nHow many student profile do you want to make? (1-10) ";
cin >> ctr;
```

```
int num = 1;
```

```
for (i = 0; i < ctr; ++i)
{
```

```
    cout << " \n \t\t\t Student number #" << num << endl;
```

```
    cout << " \t\t\t Enter first name: ";
    cin >> fn[i];
```

```
    cout << " \t\t\t Enter family name: ";
    cin >> sur[i];
```

```
    cout << " \t\t\t Enter section: ";
    cin >> sec[i];
```

```
    cout << " \t\t\t Enter student number: ";
    cin >> studno[i];
```


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// Choosing student profile

```
for (i = 0; i < ctr; ++i)
{
    cout << "\n \tStudent number #" << i + 1 << endl;
    for (x = 0; x < 120; x++)
    {
        cout << a;
    }
    cout << "\t\t Name:\t\t\t " << fn[i] << " " << sur[i] << endl;
    cout << "\t Section:\t\t " << sec[i] << endl;
    cout<<"\t Student number:\t " << studno[i] << endl;
    for (x = 0; x < 120; x++)
    {
        cout << a;
    }
}
```

```
cout << "\nChoose student number from 1-" << ctr << endl;
```

```
int sel;
cin >> sel;
```

// Displaying information

```
system("cls");
for (x = 0; x < 120; x++)
{
    cout << a;
}
```

```
cout << "\n \t\t\t Student number #" << sel << endl;
sel = sel - 1;
cout << " \t\t Name:\t\t\t " << fn[sel] << " " << sur[sel];
cout << "\n \t\t Section:\t\t " << sec[sel];
cout << "\n \t\t Student number:\t " << studno[sel];
cout << "\n \t\t Sex:\t\t\t " << sex[sel];
cout << "\n \t\t Birthday:\t\t " << birthm[sel] << " " << birthd[sel] << ", " << birthy[sel];
cout << "\n \t\t Address:\t\t " << lotno[sel] << " " << str[sel] << " St. " << brngy[sel] << ", " << ct[sel] << " City";
cout << "\n \t\t Phone number:\t\t " << gno[sel];
cout << "\n \t\t Father's name:\t\t " << fname[sel] << " " << sur[sel];
cout << "\n \t\t Mother's name:\t\t " << mname[sel] << " " << sur[sel];
```

```
decision:
string dec;
```

```
cout << "\n\n \t\tDo you want to choose another student profile? [Y/N]";
cin >> dec;
```

```
if (dec == "Y" || dec == "y")
```

```
{
    system("cls");
    goto selection;
```

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VIII. CONCLUSION

Finally, the system depends on its ability to acquire accurate and timely data information about its operation, to develop a program using C++ that provide an easy way of adding, managing, updating students' profile. Student Profile system will stored basic personal details of students. It is purposed to reduce time spend on administrative tasks. Faculty and staff can benefit significantly from such a system.

Moreover, the benefits of using Student Profile System is that it saves time and effort and makes the lives of faculty and staff easier. Furthermore, the system is intended to accept, process, generate students information. The system also proposed better services to users, provide meaningful, consistent, and timely data and information. All of the phases are worthwhile to state that the system is user friendly and strong when it comes to the storing, managing, and access their information in a quick, easy, and effective way.