Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (summer, Year:2022), B.Sc. in CSE (Day)

Course Title: CSE Lab
Course Code: CSE-104   Section:D-5

Lab Project Name: <u>Information Management System</u>

<u>Student Details</u>

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Submission Date   :   **12/09/2022**
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Chapter 1

Introduction

1.1 Introduction

The Application is about Information Management System, which will contain all the information about books which are stored in the library. We can add/remove/modify and delete any of stored information about our books.

1.2 Design Goals/Objective

    a.   To maintain the record of any students or member
    b.   To keep records of students
    c.   To arrange all the information about students in our university

Chapter 2

Design/Development/Implementation of the Project

2.1 Console Application

I am creating a console application which is Student record Management System. It will be

helpful for those who want to keep all the information about students.

2.1.1 User Interface

```
################################################################################
###########                                                   ###########
###########       Student Record Management System Project in C   ###########
###########                                                   ###########
################################################################################
--------------------------------------------------------------------------
                                  Login
--------------------------------------------------------------------------


          Username:_
```

Figure 2.1

```
################################################################################
#############                                                 #############
#############     Student Record Management System Project in C     #############
#############                                                 #############
################################################################################
--------------------------------------------------------------------------
                               MAIN MENU
--------------------------------------------------------------------------


   1.Add Student
   2.Search Student
   3.View Student
   4.Delete Student
   5.Update Password
   0.Exit

   Enter choice =>
```

Figure: 2.1.1

3 Work Process

First of all we have run our program and interface will be appeared like figure 2.1 and then we have to login and select any of menu what we want and these are-

3.1.1 Add student information

Figure: 3.1

First we have to select number 1 which for adding books information.

3.1.2 Search student Information

Figure: 3.2

When its 2 then it will show the stored student informations.

3.1.3 View Student

```
#########################################################################
############                                              ############
############     Student Record Management System Project in C   ############
############                                              ############
#########################################################################
---------------------------------------------------------------------
                        VIEW STUDENT DETAILS
---------------------------------------------------------------------
Student Count = 1

Student id = 221002171
Student Name = Ferdaus hassan
Student Name = 01850358763
Father Name = Arizul islam
Student Address = Mirpur
Student Admission Date(day/month/year) =  (5/6/2002)
```

Figure:3.3

When its 3 then it will show the all the information of student.

3.2.1 Delete Student

```
#########################################################################
############                                              ############
############     Student Record Management System Project in C   ############
############                                              ############
#########################################################################
---------------------------------------------------------------------
                        Delete Student Details
---------------------------------------------------------------------
Enter Student ID NO. for delete:221002171_
```

Figure:3.4

When its then it will the all the information of specified Student.

3.2.2 Update Password

```
#########################################################################
############                                              ############
############     Student Record Management System Project in C   ############
############                                              ############
#########################################################################
---------------------------------------------------------------------
                        Update Credential
---------------------------------------------------------------------
New Username:ferdaus


New Password:505050F

Your Password has been changed successfully
tLogin Again:_
```
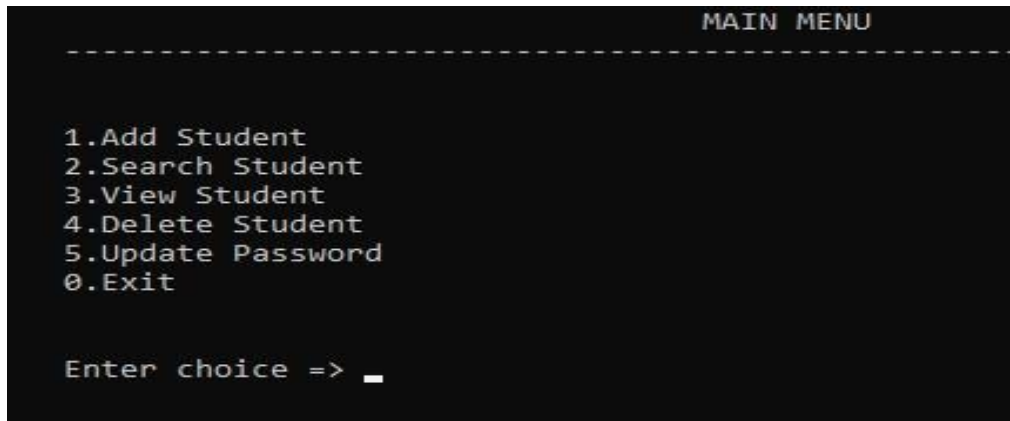
Figure:3.4

When its 5 then it will update password.

3.2.3 Exit


```
                              MAIN MENU
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   1.Add Student
   2.Search Student
   3.View Student
   4.Delete Student
   5.Update Password
   0.Exit


   Enter choice => _
```

Figure:3.5

When we select 0 then the program will be exit.

Chapter 3

Performance Evaluation

3.1   Simulation

I use C programing language and codeBlocks as IDE to set up the environment and complete the project. Then I sit to code some of code I write my own and sometimes I took help from internet and complete my project.

a. I took the header files.
b. I took some specific function to do all the work at a time
c. I took a main function to execute the program. And included all the specific function to the main function.
d. I use loops and conditional expressions here

3.2 Results and Discussions

3.2.1   Results

```
################################################################################
############                                              ############
############    Student Record Management System Project in C    ############
############                                              ############
################################################################################
--------------------------------------------------------------------------------
                                MAIN MENU
--------------------------------------------------------------------------------


1.Add Student
2.Search Student
3.View Student
4.Delete Student
5.Update Password
0.Exit


Enter choice => _
```

Figure: 3.0

My program is running well. There is no bugs for now.

3.2.2 Analysis and Outcome

- To do this project I face a lot of problems but from the help of internet I make it easy to complete.
- Some of used topic is unknown to me but I research and with help of some youtube video I complete the project.

Chapter 4

Conclusion

4.1 Introduction

My 1st project Information management system I made. After completing the program I am satisfied with it that it is working properly. Though some difficulties occurred but after a period of time I fixed that. And the first project is going well.

4.2 Scope of Future Work

It's a simple console application and I am working with it and hope I can developed it advance and update the functionality as early as possible. And it is totally developer friendly and anytime we can edit or update the program to advance functionality and user interface. It will be so much workable.

References

[1] **Cppbuzz.com** Website: https://www.cppbuzz.com/projects/c/student-recordmanagement-in-c [2] Anisul Islam . Youtube: Anisul Islam.