Department of Computer Engineering, PICT Pune

Third Year Computer Engineering (2019 Course)
314458: Laboratory Practice-II

Design and develop "Student Information Management System".
(Mini Project)

Name and roll number of group members:

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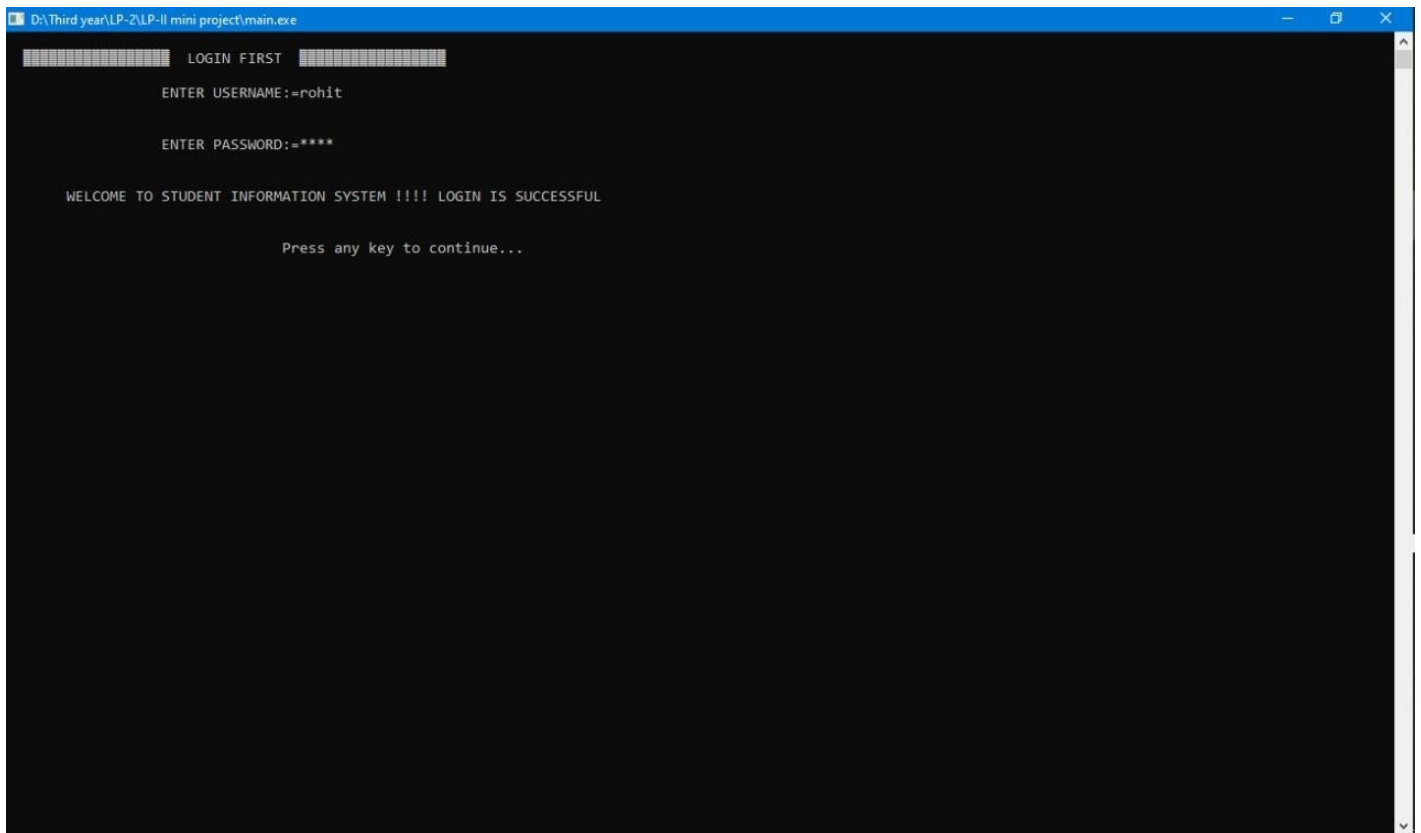
Application:

1. Problem Statement:

- The custom information management application to be designed is a student information management system.

- The system would store the students' first and last names, their course and their section number.

2. Working:

- The student information management system can manage your student information. The system can manage the institute's/organization's student details such as first name, last name, section, and course. The purpose of this system is to help any institute/organization to organize the list of all students learning at the campus.

- The student information management system was created in a simple console application, the system strictly needed user login information to access the full feature of the system.

- The user can perform many jobs to do in the system in the system, he/she can add new student detail, update current student detail, and delete student detail.

- Using this system will eventually help the stakeholders to handle student records and lessen their workload. It will prevent the user to have a duplicate entry and can monitor student that has been enrolled.

- The system is will store the data as a text file extension. Built using the C++ programming language.
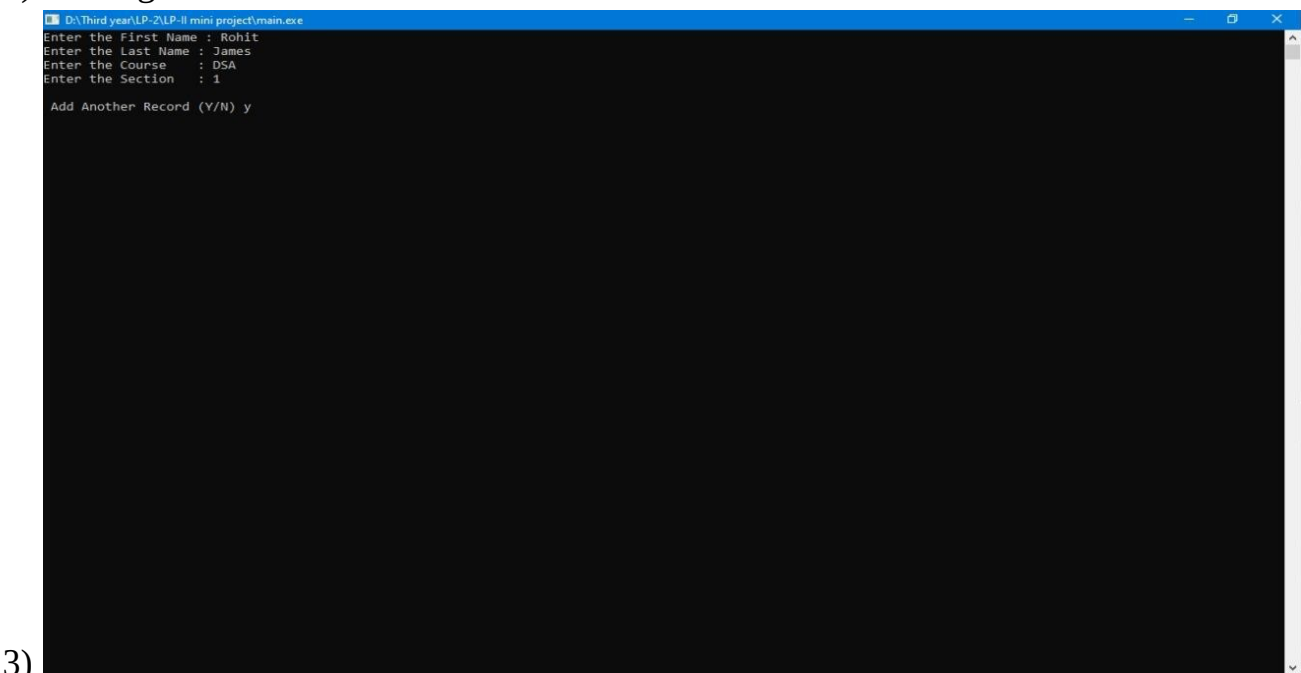
Implementation:

1) Login Page:

```
D:\Third year\LP-2\LP-II mini project\main.exe                              —  □  ×

███████████████  LOGIN FIRST  ███████████████

              ENTER USERNAME:=rohit

              ENTER PASSWORD:=****

    WELCOME TO STUDENT INFORMATION SYSTEM !!!! LOGIN IS SUCCESSFUL

                      Press any key to continue...
```

(logging in with 'rahul' as username and 'root' as password)

2) Adding users


```
D:\Third year\LP-2\LP-II mini project\main.exe                              —  □  ×
Enter the First Name : Rohit
Enter the Last Name : James
Enter the Course    : DSA
Enter the Section   : 1

 Add Another Record (Y/N) y
```

3)

```
D:\Third year\LP-2\LP-II mini project\main.exe
Enter the First Name : Sufiya
Enter the Last Name : Sayyed
Enter the Course    : OOP
Enter the Section   : 2

Add Another Record (Y/N) t
```

```
D:\Third year\LP-2\LP-II mini project\main.exe
Enter the First Name : Aditya
Enter the Last Name : Wanjale
Enter the Course    : CG
Enter the Section   : 3

Add Another Record (Y/N) n
```

```
D:\Third year\LP-2\LP-II mini project\main.exe                                    —    □    ×

 View the Records in the Database


Name      :: Rohit James
Course    :: DSA
Section   :: 1

Name      :: Sufiya Sayyed
Course    :: OOP
Section   :: 2

Name      :: Aditya Wanjale
Course    :: CG
Section   :: 3

Press any key to continue . . .
```

```
D:\Third year\LP-2\LP-II mini project\main.exe

 Enter the last name of the student : James
Enter new first name : Rohit
Enter new last name : James
Enter new course    : CC
Enter new section   : 1

 Modify Another Record (Y/N) n
```

```
██ View the Records in the Database ██


Name      :: Rohit James
Course    :: CC
Section   :: 1

Name      :: Sufiya Sayyed
Course    :: OOP
Section   :: 2

Name      :: Aditya Wanjale
Course    :: CG
Section   :: 3

Press any key to continue . . .
```

Conclusion:

Hence, we have successfully designed and developed custom information management application (student information management system).