Project Report

on

Student Assignment Dashboard

Submitted to

LOVELY PROFESSIONAL UNIVERSITY

in partial fulfilment of the requirements for the award of degree of

Master of Computer Applications

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```
#include<iostream>
#include <math.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

int i = 0;

struct sinfo {
    char fname[50];
    char lname[50];
    int roll;
    float cgpa;
    int cid[10];
} st[55];

void add_student()
{

    cout<<"Add the Students Details";
    cout<<"-------------------------\n";
    cout<<"Enter the first "
        "name of student\n";
    cin>>st[i].fname;
    cout<<"Enter the last name"
        " of student\n";
    cin>> st[i].lname;
    cout<<"Enter the Roll Number\n";
    cin>>st[i].roll;
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    cout<<"Enter the CGPA "
        "you obtained\n";
    cin>>&st[i].cgpa;
    cout<<"Enter the course ID"
        " of each course\n";
    for (int j = 0; j < 5; j++) {
       cin>>st[i].cid[j]);
    }
    i = i + 1;
}

void find_rl()
{
    int x;
    cout<<"Enter the Roll Number"
        " of the student\n";
    cin>> &x;
    for (int j = 1; j <= i; j++) {
       if (x == st[i].roll) {
          cout<<
             "The Students Details are\n";
          cout<<
             "The First name is \n",
             st[i].fname;
          cout<<
             "The Last name is \n",
             st[i].lname);
          cout<<
             "The CGPA is \n",
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```
            st[i].cgpa);
        cout<<
            "Enter the course ID"
            " of each course\n";
    }
    for (int j = 0; j < 5; j++) {
        cout<<
            "The course ID are \n",
            st[i].cid[j]);
    }
    break;
  }
}

void find_fn()
{
  char a[50];
  cout<<"Enter the First Name"
      " of the student\n";
  cout<<"%s", a;
  int c = 0;

  for (int j = 1; j <= i; j++) {
    if (!strcmp(st[j].fname, a)) {

        cout<<
            "The Students Details are\n";
        cout<<
            "The First name is \n";
```

```
            st[i].fname);
        cout<<
            "The Last name is \n";
            st[i].lname);
        cout<<
            "The Roll Number is \n ";
            st[i].roll);
        cout<<
            "The CGPA is \n";
            st[i].cgpa);
        cout<<
            "Enter the course ID of each course\n";

        for (int j = 0; j < 5; j++) {
        cout<<
             "The course ID are \n";
              st[i].cid[j]);
        }
        c = 1;
    }
    else
        cout<<
            "The First Name not Found\n";
  }
}

void find_c()
{
   int id;
```

```
cout<<"Enter the course ID \n");
cin>>"%d", &id;
int c = 0;

for (int j = 1; j <= i; j++) {
   for (int d = 0; d < 5; d++) {
      if (id == st[j].cid[d]) {

         cout<<
            "The Students Details are\n";
         cout<<
            "The First name is \n",
            st[i].fname);
         cout<<
            "The Last name is\n",
            st[i].lname);
         cout<<
            "The Roll Number is \n ",
            st[i].roll);
         cout<<
            "The CGPA is\n",
            st[i].cgpa);

         c = 1;

         break;
      }
      else
         cout<<
```

```
                "The First Name not Found\n";
        }
    }
}

void tot_s()
{
    cout<<"The total number of"
        " Student is /n",
        i);
    cout<<"\n you can have a "
        "max of 50 students\n";
    cout<<"you can have %d "
        "more students\n",
        50 - i);
}

void del_s()
{
    int a;
    cout<<"Enter the Roll Number"
        " which you want "
        "to delete\n";
    cin>>"%d", &a);
    for (int j = 1; j <= i; j++) {
        if (a == st[j].roll) {
            for (int k = j; k < 49; k++)
                st[k] = st[k + 1];
            i--;
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        }
    }
    cout<<"The Roll Number"
        " is removed Successfully\n";
}

void up_s()
{

    cout<<"Enter the roll number"
        " to update the entry : ";
    long int x;
    cin>>"%ld", &x;
    for (int j = 0; j < i; j++) {
        if (st[j].roll == x) {
            cout<<"1. first name\n"
                "2. last name\n"
                "3. roll no.\n"
                "4. CGPA\n"
                "5. courses\n";
            int z;
            cin>>"%d", &z;
            switch (z) {
            case 1:
                cout<<"Enter the new "
                    "first name : \n";
                cin>>"%s", st[j].fname;
                break;
            case 2:
```

```
            cout<<"Enter the new "
                 "last name : \n";
            cin>>"%s", st[j].lname;
            break;
        case 3:
            cout<<"Enter the new "
                 "roll number : \n";
            cin>>"%d", &st[j].roll;
            break;
        case 4:
            cout<<"Enter the new CGPA : \n";
            cin>>"%f", &st[j].cgpa;
            break;
        case 5:
            cout<<"Enter the new courses \n";
            cin>>
              "%d%d%d%d%d", &st[j].cid[0],
              &st[j].cid[1], &st[j].cid[2],
              &st[j].cid[3], &st[j].cid[4];
            break;
        }
        cout<<"UPDATED SUCCESSFULLY.\n";
    }
  }
}

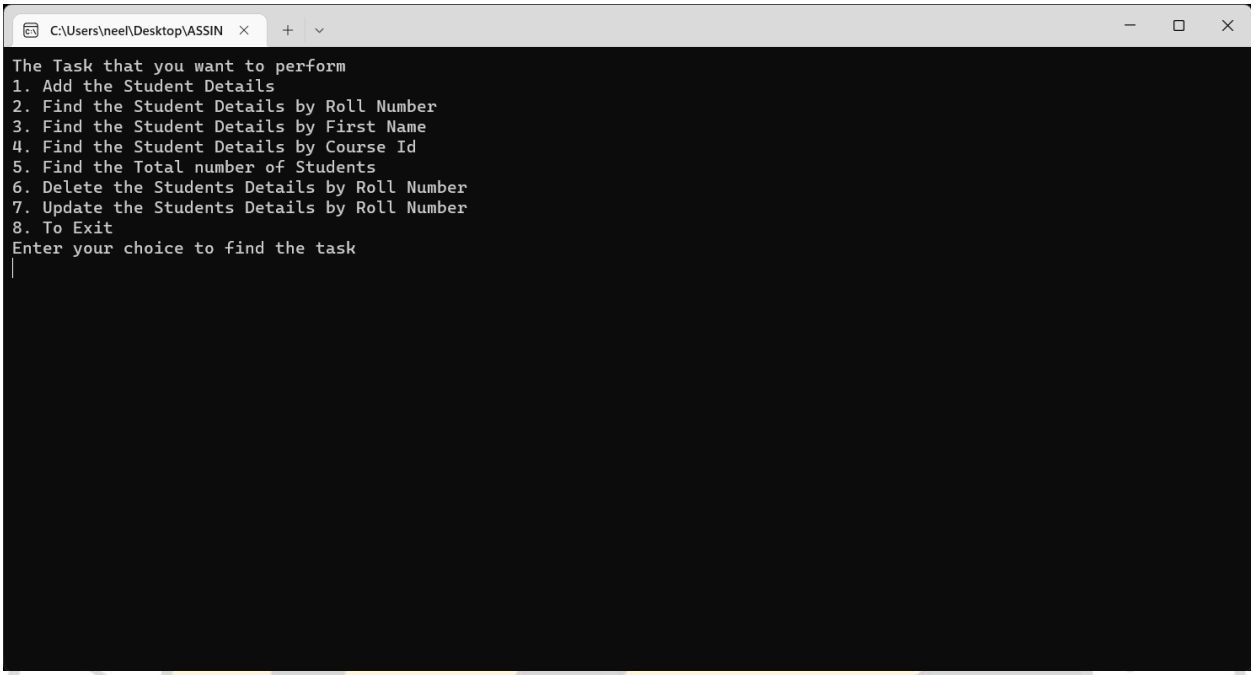
int main()

{
```

```
int choice, count;
while (i = 1) {
   cout<<"The Task that you "
        "want to perform\n");
   cout<<"1. Add the Student Details\n";
   cout<<"2. Find the Student "
        "Details by Roll Number\n";
   cout<<"3. Find the Student "
        "Details by First Name\n";
   cout<<"4. Find the Student "
        "Details by Course Id\n";
   cout<<"5. Find the Total number"
        " of Students\n";
   cout<<"6. Delete the Students Details"
        " by Roll Number\n";
   cout<<"7. Update the Students Details"
        " by Roll Number\n";
   cout<<"8. To Exit\n");
   cout<<"Enter your choice to "
        "find the task\n";
   cin>>"%d", &choice;
   switch (choice) {
   case 1:
      add_student();
      break;
   case 2:
      find_rl();
      break;
   case 3:
```

```
            find_fn();
            break;
        case 4:
            find_c();
            break;
        case 5:
            tot_s();
            break;
        case 6:
            del_s();
            break;
        case 7:
            up_s();
            break;
        case 8:
            exit(0);
            break;
        }
    }
    return 0;
}
```

output


C:\Users\neel\Desktop\ASSIN
The Task that you want to perform
1. Add the Student Details
2. Find the Student Details by Roll Number
3. Find the Student Details by First Name
4. Find the Student Details by Course Id
5. Find the Total number of Students
6. Delete the Students Details by Roll Number
7. Update the Students Details by Roll Number
8. To Exit
Enter your choice to find the task