Government Polytechnic,Pune-16

(An Autonomous Instititute Of Government Of Maharashtra)

A

MICROPROJECT ON

"Event Management System"
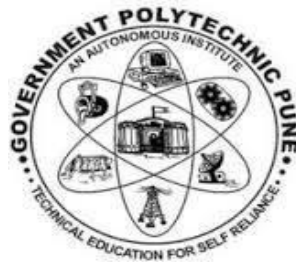
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Under The Guidance Of : Heena Khan Mam

Department Of Information Technology

(Acadamic Year : 2021-22)

Government Polytechnic, Pune-16

(An Autonomous Instititute Of Government Of Maharashtra)

Department Of Information Technology

Certificate

This Is To Certify That

1) Kolhe Vaibhavi (Enrollment No. : 2007030)

2) Akshada Kolpe (Enrollment No. : 2007029)

Has Completed The Necessary Micro Project Work And Prepared The Report On

" E V E N T   M A N A G E M E N T   S Y S T E M "

In A Satisfactory Manner As a Partial Fulfillment Of Requirement Of The

Second Year

Diploma In

Information Technology

For The Academic

Year 2021-22

Smt.Heena Khan

ACKNOWLEDGMENT

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Last but not the least I wish to thank my parents for financing my studies and helping me throughout my life for achieving perfection and excellence. Their personal help in making this report and seminar worth presentation is gratefully acknowledged.

<div align="right">

- Vaibhavi Kolhe
- Akshada Kolpe

</div>

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Introduction

Object oriented programming as an approach that provides a way of modularizing programs by creating partitioned memory area for both data and functions that can be used as templates for creating copies of such modules on demand.

The project is about managing department information using the basic concepts of OOP language. Thus, we have chosen the Department of Information Technology which will include the basic information about Labs, classrooms, faculty, Lab assistant, Time Table. Along with that, we have inserted the information about faculty using file handling.

Aim- To build up the skill and confidence in every student to become problem solver so that she/he contributes to the projects of the industry.

Statement-To create an simple application of all events like birthday,collage etc. Including Details of Persons,event transactions,and all Details about Staff .

Concept Used In Program:

➤ *Header files:-*

Iostream **:** Iostream stands for standard input- output stream. This header file contains definitions of objects like cin, cout, cerr, etc.

string.h:**-** The library string.h (also referred as cstring) has several common functions for dealing with strings stored in arrays of characters. The string.h header file to be included before using any string function.The string.h he ader defines one variable type, one macro, and various functions for manipulating arrays of characters.

➤ *A class concept:-*

A class in C++ is a user-defined type or data structure declared with keyword class that has data and functions as its members.

A class is used to specify the form of an object and it combines data representation and methods for manipulating that data into one neat package.

➢ *Constructor:-*

A constructor is a special type of member function of a class which initializes objects of a class. It is special member function of the class because it does not have any return type.

➢*Destructor:-*

Destructor is an instance member function which is invoked automatically whenever an object is going to be destroyed. Meaning, a destructor is the last function that is going to be called before an object is destroyed.

➢*Decision making statement in c:-*

if statement in C/C++

if statement is the most simple decision-making statement. It is used to decide whether a certain statement or block of
statements will be executed or not i.e if a certain condition is true then a block of statement is executed otherwise not.

```
if(expression)
{
   statement-inside;
}
   statement-outside;
```

if...else statement

An 'if' statement can be followed by an optional 'else'
statement, which executes when the boolean expression is false.

Syntax:

```
if(expression)
{
   statement-block1;
}
else
{
   statement-block2;
}
```

switch..case Statement

In this tutorial, we will learn about switch statement and
its working in C++ programming with the help of some
examples.

The switch statement allows us to execute a block of code

➢ Return Statement:

In C++ main ( ) returns an integer type value to the operating system. Therefore every main ( ) in C++ should end with a return (0) statement, otherwise a warning or an error might occur.

➢ Structure Of A Program :

#include <iostream>

Lines beginning with a hash sign (#) are directives for the preprocessor. They are not regular code lines with expressions but indications for the compiler's preprocessor. In this case the directive #include<iostream> tells the preprocessor to include the iostream standard file. This specific file (iostream) includes the declarations of the basic standard input- output library in C++, and it is included because its functionality is going to be used later in the program.

Source Code

```cpp
1   #include <iostream>
2   #include <string.h>
3   using namespace std;
4   class Person{
5       public:
6       char name[50]={0},mob[11]={0},addr[75]={0},email[50]={},date[20]={0};
7
8       void Person_info(){
9           cout<<"....Please, fill regestration form !!! ...."<<endl;
10          cout<<"     Enter your Name :- ";
11          cin.getline(name,50);
12          cout<<endl;
13          cout<<"     Enter your Mobile number :- ";
14          cin.getline(mob,11);
15          cout<<endl;
16          cout<<"     Enter your address :-";
17          cin.getline(addr,75);
18          cout<<endl;
19          cout<<"     Enter your Email-ID :-";
20          cin.getline(email,75);
21
22          cout<<endl;
23          cout<<"     Enter your event date (dd-mm-yyyy):-";
24          cin.getline(date,20);
25
26      }
27
28      void disp_per_info(){
29          cout<<endl<<endl;
30          cout<<"*********************** YOUR CART DETAILS ***********************"<<endl<<endl;
31          cout<<" Name = "<<name<<endl;
32          cout<<" Mobile number = "<<mob<<endl;
33          cout<<" Address = "<<addr<<endl;
34          cout<<" Email-ID = "<<email<<endl;
35          cout<<" Event date = "<<date<<endl;
36      }
37  };
```

```cpp
37  };
38  class front_info
39  {
40      public:
41      void disp_front_info()
42      {
43      cout<<"_____"<<endl;
44      cout<<"|                                                               |"<<endl;
45      cout<<"|              ----------------WELCOME TO EVENT MANAGEMENT SYSTEM----------------              |"<<endl;
46      cout<<"|                                                               |"<<endl;
47      cout<<"|                        .......VK EVENTS ORGANISER........                        |"<<endl;
48      cout<<"|                                                               |"<<endl;
49      cout<<"|_____|"<<endl<<endl;
50      cout<<endl<<endl<<endl;
51      }
52
53      void menu(){
54          cout<<endl<<endl;
55          cout<<"================================= EVENTS ================================="<<endl<<endl;
56          cout<<"          1) Birthday Party  "<<endl;
57          cout<<"          2) Collage send of"<<endl;
58          cout<<"          3) Collage gathering"<<endl;
59          cout<<"          4) Freshers Party"<<endl<<endl<<endl;
60      }
61
62  };
63
64  class catreres:public front_info
65  {
66      public:
67          int num,num1,cart1;
68          void catrers_menu(){
69          cout<<endl;
70          cout<<"---------------------------Select Catrers for event-----------------"<<endl<<endl;
71          cout<<"              1) Self service"<<endl;
72          cout<<"              2) Catrers"<<endl;
73          cout<<"  Enter your recommendation:";
```

```cpp
73          cout<<"  Enter your recommendation:";
74          cin>>num;
75          if(num==1){
76              cout<<endl<<endl;
77              cout<<"OKAY.....YOUR RECOMMANDATION ACCEPTED "<<endl;
78          }
79          else if(num==2){
80              cout<<endl<<endl;
81              cout<<"   Our cateres will responsible for serving meals as well as storing food safety before and during event.   "<<"\n"
82                  <<"                   Setting up all tables and food service areas with chairs ,linenes and dishes."<<endl;
83              cout<<endl;
84              cout<<" Our Cateres Price is 3000 Rs."<<endl<<endl;
85              cout<<" Are you agree with this or would you like to processed further ? "<<endl;
86              cout<<" If 'Yes' then simply type '1' otherwise type '0' :";
87              cin>>num1;
88              if(num1==1){
89                  cout<<endl;
90                  cout<<" Your catrers order is added in your booking list"<<endl<<endl;
91                  cart1=3000;
92              }
93              else{
94                  cout<<" Your catrers order is Cancelled";
95              }
96
97          }
98          else{
99              cout<<" Invalid option"<<endl;
100         }
101
102     }
103  };
104
105  class menucard
106  {
107      public:
108          int Menu_Total_Prize,Item_code,plates,n1,Total,All_Total=0;
109          void menucard info(){
```

```cpp
106 {
107     public:
108         int Menu_Total_Prize,Item_code,plates,n1,Total,All_Total=0;
109         void menucard_info(){
110             cout<<"~,~,~,~,~,~,~,~,~,~,~,~,~,~,~,~,~ Select menu for event ~,~,~,~,~,~,~,~,~,~,~,~,~,~,~,~,~"<<endl<<endl;
111             cout<<"----------------------------------'Menu card'---------------------------------- "<<endl;
112             cout<<"_____"<<endl;
113             cout<<"|    Item_code    |        Item name        |            Price            |"<<endl;
114             cout<<"|                 |                         |                            |"<<endl;
115             cout<<"|        1        |  Samosa                 |  15 per                    |"<<endl;
116             cout<<"|        2        |  Veg Burger             |  50 per                    |"<<endl;
117             cout<<"|        3        |  Turkey Sanwitch        |  45 per                    |"<<endl;
118             cout<<"|        4        |  Nirvana Pizza          |  100 per                   |"<<endl;
119             cout<<"|        5        |  Paneer Tikka           |  150 per                   |"<<endl;
120             cout<<"|        6        |  Dal tadka              |  100 per                   |"<<endl;
121             cout<<"|        7        |  Malai Kofta            |  150 per                   |"<<endl;
122             cout<<"|        8        |  Plan Rice              |  150 per                   |"<<endl;
123             cout<<"|        9        |  Jeera Rice             |  150 per                   |"<<endl;
124             cout<<"|        10       |  Tandoori Roti          |  20 per                    |"<<endl;
125             cout<<"|        11       |  Chapati                |  15 per                    |"<<endl;
126             cout<<"|_____|_____|_____|"<<endl<<endl;
127             do{
128             cout<<" Enter Item_code for ordering food :";
129             cin>>Item_code;
130             cout<<" How many plates do you want to order ?"<<endl;
131             cin>>plates;
132             switch(Item_code){
133                 case 1:while(true){
134                     Total=15*plates;
135                     cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;
136
137                 }break;
138                 case 2:while(true){
139                     Total=50*plates;
140                     cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;
141
142                 }break;
143                 case 3:while(true){
144                     Total=45*plates;
145                     cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;
146
147                 }break;
148                 case 4:while(true){
149                     Total=100*plates;
150                     cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;
151
152                 }break;
```

```cpp
                    }break;
            case 5:while(true){
                    Total=150*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            case 6:while(true){
                    Total=100*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            case 7:while(true){
                    Total=150*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            case 8:while(true){
                    Total=150*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            case 9:while(true){
                    Total=150*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            case 10:while(true){
                    Total=20*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            case 11:while(true){
                    Total=15*plates;
                cout<<" Money for "<<plates<<" plates is "<<Total<<" /- Rs";break;

                    }break;
            default:cout<<" Enter valid option";
                    }
        All_Total=All_Total+Total;
    cout<<endl;
    cout<<" Do you want more order ....If yes enter '1' otherwise enter '0' : ";
    cin>>n1;
    cout<<endl;
    }while(n1==1);
    cout<<" Total price of veg food is "<<All_Total<<" /- Rs"<<endl;
    };
```

```cpp
202   };
203
204   class decoration
205   {
206       public:
207       int dec_num,dec1,dec2,dec3,dec4;
208       void decoration_info(){
209           cout<<endl<<endl;
210           cout<<"----------------------Select decoration for Event----------------------"<<endl<<endl<<endl;
211           cout<<"                             1) Floral Ganesh Stage Backdrop                         "<<endl<<endl;
212           cout<<" In India Lord Ganesh is the first worshipped god.Give the perfect shubh arambh by adding religious  "<<endl;
213           cout<<"            aesthetics to your event décor with this Floral Ganesh Stage Backdrop.          "<<endl<<endl;
214           cout<<"    Prize = 11,499 Rs "<<endl<<endl<<endl;
215           cout<<"                             2) Floral Arches                              "<<endl<<endl;
216           cout<<" The timeless beauty of flowers never seems to fade away. When it comes to Event and celebrations "<<endl;
217           cout<<"            floral décor is the  most preferred choice.                "<<endl<<endl;
218           cout<<"    Prize = 14,999 RS "<<endl<<endl<<endl;
219           cout<<"                             3) Pretty Pastel Drape Décor                        "<<endl<<endl;
220           cout<<" Events of 2020 are about pastel hues. Add a dash of subtle hues of pastel shades to your Event stage  "<<endl;
221           cout<<"            decoration as you give the tradition yet contemporary drapes décor a try.          "<<endl<<endl;
222           cout<<"    Prize = 19,999 Rs "<<endl<<endl<<endl;
223           cout<<"                             4) Rustic Décor                              "<<endl<<endl;
224           cout<<" Get creative with your décor by merging the goodness of nature with rustic décor. This green décor is "<<endl;
225           cout<<"            a surreal blend of natural charm and rustic vibes                "<<endl<<endl;
226           cout<<"    Prize = 24,999 Rs "<<endl<<endl;
227           cout<<"Which decoration would you like to order?"<<endl;
228           cout<<"Enter number of decoration:";
229           cin>>dec_num;
230           switch(dec_num){
231               case 1:{ dec1=11499;
232                   cout<<" Decoration price "<<dec1<<" Rs added in your booking list";
233                   break;
234               }
235               case 2:{ dec2=14999;
236                   cout<<" Decoration price "<<dec2<<" Rs added in your booking list";
237                   break;
238               }
239               case 3:{ dec3=19999;
240                   cout<<" Decoration price "<<dec3<<" Rs added in your booking list";
241                   break;
242               }
243               case 4:{ dec4=24999;
244                   cout<<" Decoration price "<<dec4<<" Rs added in your booking list.";
245                   break;
246               default:cout<<" Enter valid option"<<endl;
247               }
248           }
```

```cpp
254
255    int main()
256  ⊟ {
257        int n,Event_ammount;
258
259        front_info f1;
260        f1.disp_front_info();
261
262        Person p1;
263        p1.Person_info();
264        f1.menu();
265
266        cout<<" Which event do you want to organise ,Enter event number : ";
267        cin>>n;
268        catreres C1;
269        C1.catrers_menu();
270
271        menucard m1;
272        m1.menucard_info();
273
274        decoration d1;
275        d1.decoration_info();
276
277        cout<<endl<<endl;
278        p1.disp_per_info();
279  ⊟    switch(d1.dec_num){
280           case 1:cout<<" Total amount is "<<C1.cart1+m1.All_Total+d1.dec1;break;
281           case 2:cout<<" Total amount is "<<C1.cart1+m1.All_Total+d1.dec2;break;
282           case 3:cout<<" Total amount is "<<C1.cart1+m1.All_Total+d1.dec3;break;
283           case 4:cout<<" Total amount is "<<C1.cart1+m1.All_Total+d1.dec4;break;
284
285        }
286        cout<<endl<<endl<<endl;
287        cout<<"    ****** ABOUT US *****"<<endl;
288        cout<<"   !!! VK EVENTS ORGANISER !!!"<<endl;
289        cout<<" Address :- Rahatni Rd, Pimple Saudagar,"<<endl;
290        cout<<"            Pune - 411027 (Near Shivshakan Mandir)"<<endl;
291        cout<<" Contact :- 012-8999785923"<<endl;
292        cout<<" E-mail ID :- vk@event_organiser.co.in"<<endl;
293        cout<<" If you have any query then contact us on above"<<endl;
294        cout<<" We are available 24*7 hour for your service..."<<endl<<endl;
295        cout<<"    THANK YOU....HAVE NICE DAY !!!  "<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<endl;
296
297        return 0;
298  └ }
```

Output

```
|----------------------------------------------------------------------|
|                                                                      |
|          ----------------WELCOME TO EVENT MANAGEMENT SYSTEM----------------          |
|                                                                      |
|                  .......VK EVENTS ORGANISER........                  |
|                                                                      |
|                                                                      |
|                                                                      |
|----------------------------------------------------------------------|




....Please, fill regestration form !!! ....
    Enter your Name :- vaibhavi kolhe

    Enter your Mobile number :- 8999765315

    Enter your address :-Moshi , Pune

    Enter your Email-ID :-vaibhavi12@gmail.com

    Enter your event date (dd-mm-yyyy):-31-12-2021


================================ EVENTS ================================

        1) Birthday Party
        2) Collage send of
        3) Collage gathering
        4) Freshers Party


Which event do you want to organise ,Enter event number : 1
```

```
Select D:\python\cpp\micro.exe

    Enter your address :-Moshi , Pune

    Enter your Email-ID :-vaibhavi12@gmail.com

    Enter your event date (dd-mm-yyyy):-31-12-2021


================================ EVENTS ================================

        1) Birthday Party
        2) Collage send of
        3) Collage gathering
        4) Freshers Party


Which event do you want to organise ,Enter event number : 1

--------------------------Select Catrers for event-----------------

            1) Self service
            2) Catrers
  Enter your recommendation:2


    Our cateres will responsible for serving meals as well as storing food safety before and during event.
            Setting up all tables and food service areas with chairs ,linenes and dishes.

Our Cateres Price is 3000 Rs.

Are you agree with this or would you like to processed further ?
If 'Yes' then simply type '1' otherwise type '0' :1

Your catrers order is added in your booking list
```

```
~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~ Select menu for event ~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~.~

-----------------------------------'Menu card'-----------------------------------
 _____
| Item_code   |        Item name        |                  Price                   |
|             |                         |                                          |
|     1       |        Samosa           |         15 per                           |
|     2       |        Veg Burger       |         50 per                           |
|     3       |        Turkey Sanwitch  |         45 per                           |
|     4       |        Nirvana Pizza    |         100 per                          |
|     5       |        Paneer Tikka     |         150 per                          |
|     6       |        Dal tadka        |         100 per                          |
|     7       |        Malai Kofta      |         150 per                          |
|     8       |        Plan Rice        |         150 per                          |
|     9       |        Jeera Rice       |         150 per                          |
|     10      |        Tandoori Roti    |         20 per                           |
|     11      |        Chapati          |         15 per                           |
|_____|_____|_____|

 Enter Item_code for ordering food :3
 How many plates do you want to order ?
50
 Money for 50 plates is 2250 /- Rs
 Do you want more order ....If yes enter '1' otherwise enter '0' : 1

 Enter Item_code for ordering food :4
 How many plates do you want to order ?
50
 Money for 50 plates is 5000 /- Rs
 Do you want more order ....If yes enter '1' otherwise enter '0' : 0

 Total price of veg food is 7250 /- Rs
```

```
----------------------Select decoration for Event----------------------



                            1) Floral Ganesh Stage Backdrop


In India Lord Ganesh is the first worshipped god.Give the perfect shubh arambh by adding religious
            aesthetics to your event d0cor with this Floral Ganesh Stage Backdrop.


    Prize = 11,499 Rs




                            2) Floral Arches


The timeless beauty of flowers never seems to fade away. When it comes to Event and celebrations
            floral d0cor is the  most preferred choice.


    Prize = 14,999 RS




                            3) Pretty Pastel Drape D0cor


Events of 2020 are about pastel hues. Add a dash of subtle hues of pastel shades to your Event stage
            decoration as you give the tradition yet contemporary drapes d0cor a try.


    Prize = 19,999 Rs




                            4) Rustic D0cor


Get creative with your d0cor by merging the goodness of nature with rustic d0cor. This green d0cor is
            a surreal blend of natural charm and rustic vibes
```

```
                 a surreal blend of natural charm and rustic vibes


    Prize = 24,999 Rs


Which decoration would you like to order?
Enter number of decoration:4
 Decoration price 24999 Rs added in your booking list.




*********************** YOUR CART DETAILS ***********************


 Name = vaibhavi kolhe
 Mobile number = 8999765315
 Address = Moshi , Pune
 Email-ID = vaibhavi12@gmail.com
 Event date = 31-12-2021
 Total amount is 35249




    ****** ABOUT US *****
  !!! VK EVENTS ORGANISER !!!
 Address :- Rahatni Rd, Pimple Saudagar,
          Pune - 411027 (Near Shivshakan Mandir)
 Contact :- 012-8999785923
 E-mail ID :- vk@event_organiser.co.in
 If you have any query then contact us on above
 We are available 24*7 hour for your service...


    THANK YOU....HAVE NICE DAY !!!
```

❖ *Outcomes Achived*

1. Know the difference between procedural language and object oriented language.

2. Understand the basic concepts of object oriented programming.

3. Learn reusability of code with the help of functions in C++.

4. Understand the key feature of object oriented programming like polymorphism.

5. Understand and implement the concept of inheritance.

6. Handle exceptions and implement files.

❖ *Conclusion*

By this Project we are able to use and accquire basic concepts of Basic c and c++. Thus we get to know about the classes and object concepts and also about various access specifiers to how to implement them on larger scale programs. Through this we are able to implement a Program on Event Management System and thus we get to know about it in detailed......Also we became aware of how to work with team because teamwork is the basic key of cooperation and success.

"In that way, we successfully able to create the Microproject on Event Management System."