

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY,
NOIDA



DATA STRUCTURES LAB
(15B17CI371)

Project Report

SUBMITTED TO:
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PROJECT : FACILITY MANAGEMENT

INTRODUCTION:

This project is made using c++. It is system wherein the user can find nearest restaurants after entering his/her location. The user can order from the respective restaurant selected from various cuisines. One can also book an appointment in the hospital selected by the user.

Backend of The Project:

1. Elements used :

- Structures
- Functions
- STL
- Windows Header file(User interface and basic graphics)
- Linear Array

2. Sub-Elements used:

- STL: Vectors
- Windows header file: Setconsolecursorposition(),
Handles.

3. Header files used:

- <iostream>
- <stdio.h>
- <windows.h>
- <string.h>
- <direct.h>
- <ctype.h>
- <vector>
- <stdlib.h>
- <limits.h>
- <conio.h>

SCREENSHOTS:

FACILITY MANAGEMENT

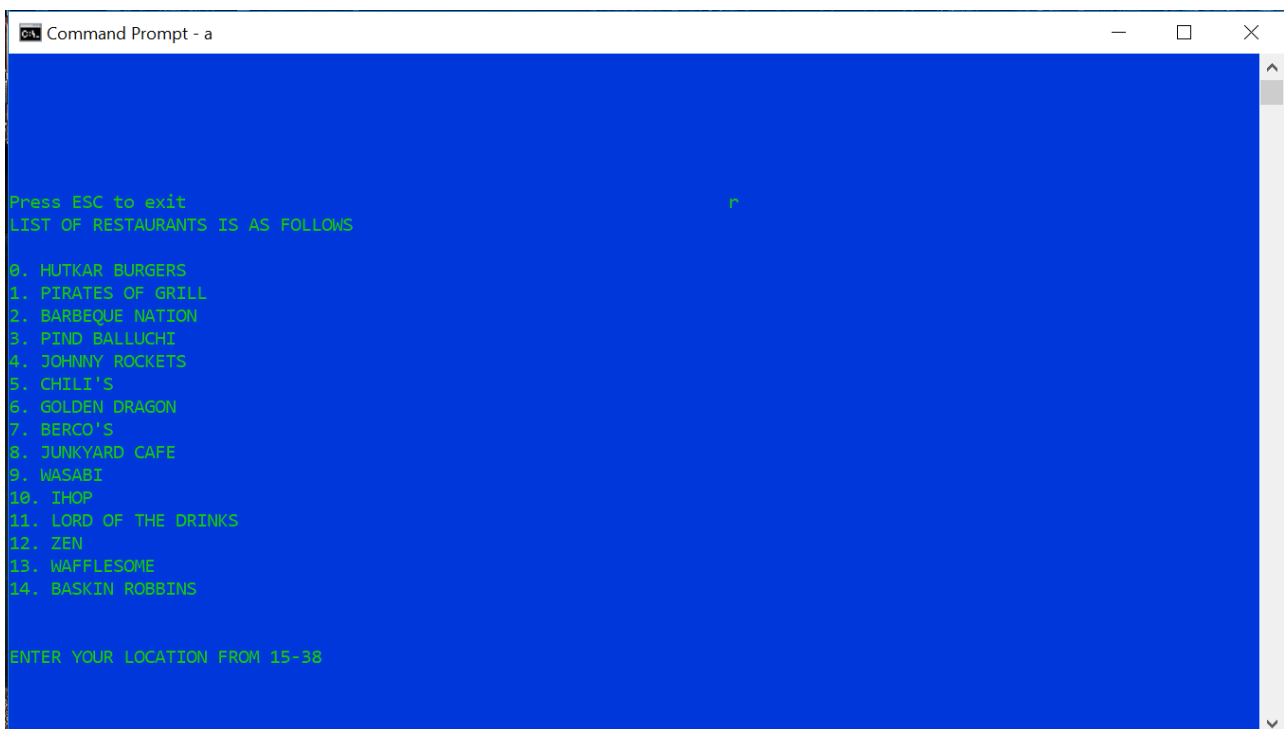
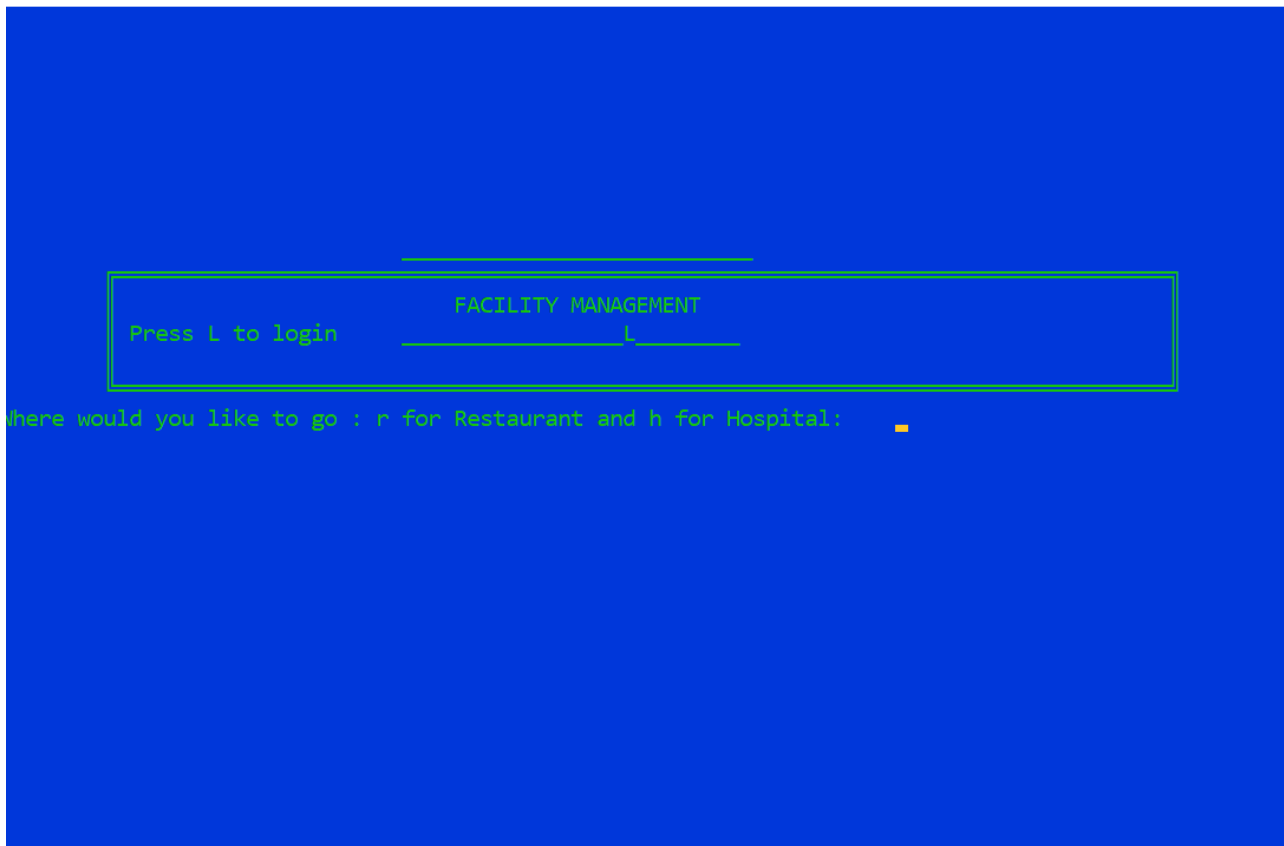
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A PROJECT IN C++ (BY BATCH - B12)

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

A DEEMED UNIVERSITY

Press ESC to exit or press any key to continue



Command Prompt - a

12. ZEN
13. WAFFLESOME
14. BASKIN ROBBINS

ENTER YOUR LOCATION FROM 15-28

17
Vertex Restaurant Name Rating Distance from Source
0 HUTKAR BURGERS 3.2 29
1 PIRATES OF GRILL 3.6 35
2 BARBEQUE NATION 4 22
3 PIND BALLUCHI 3.8 27
4 JOHNNY ROCKETS 2.2 16
5 CHILI'S 4.2 11
6 GOLDEN DRAGON 2.8 1
7 BERCO'S 4.5 25
8 JUNKYARD CAFE 3.9 29
9 WASABI 3.8 25
10 IHOP 4.3 30
11 LORD OF THE DRINKS 4.8 5
12 ZEN 3.5 12
13 WAFFLESOME 3.2 40
14 BASKIN ROBBINS 3.6 22

Enter by what do you want to sort

1.Rating
2.Distance

Command Prompt - a

11 LORD OF THE DRINKS 4.8 5
12 ZEN 3.5 12
13 WAFFLESOME 3.2 40
14 BASKIN ROBBINS 3.6 22

Enter by what do you want to sort

1.Rating
2.Distance

2

Sorting by Distance

Vertex Restaurant Name Rating Distance from Source
6 GOLDEN DRAGON 2.8 1
11 LORD OF THE DRINKS 4.8 5
5 CHILI'S 4.2 11
12 ZEN 3.5 12
4 JOHNNY ROCKETS 2.2 16
2 BARBEQUE NATION 4 22
14 BASKIN ROBBINS 3.6 22
7 BERCO'S 4.5 25
9 WASABI 3.8 25
3 PIND BALLUCHI 3.8 27
0 HUTKAR BURGERS 3.2 29
8 JUNKYARD CAFE 3.9 29
10 IHOP 4.3 30
1 PIRATES OF GRILL 3.6 35
13 WAFFLESOME 3.2 40

ENTER RESTAURANT NAME OF YOUR CHOICE

You are now being redirected to restaurant portal.....

```

*****
**                                     **
**                                     **
**          Menu Selection          **
**                                     **
*****
**                                     **
**                                     **
**          1. Non Veg              **
**                                     **
**          2. Veg                  **
**                                     **
**          3. Beverages            **
**                                     **
**          4. Exit                 **
**                                     **
*****

Please Enter Your Selection :

```

```

*****
**                                     **
**                                     **
**          Menu Selection >> Vegetarian          **
**                                     **
*****
**                                     **
**                                     **
**          Item Name          Price          **
**                                     **
**          1. Lemon Rice      RS. 110        **
**                                     **
**          2. Masala Dosa      RS. 90         **
**                                     **
**          3. Vada Sambhar     RS. 70         **
**                                     **
*****

Please Enter Your Selection :

```

Command Prompt - a

```
*****
**                                     **
**                                     **
**      Your Order List               **
**                                     **
**                                     **
*****
**                                     **
**                                     **
**      Item Name                     **
**                                     **
**      o Vada Sambhar                **
**                                     **
**      o Vada Sambhar                **
**                                     **
**      Amount to be paid: 140        **
**                                     **
*****
```

Do you want to order anything else <y/n> : .

Command Prompt - a

```
**                                     **
**                                     **
*****
```

Please Enter Your Selection :4

```
*****
**                                     **
**                                     **
**      Exiting Program, Bye Bye      **
**                                     **
**                                     **
*****
```

Command Prompt - a

Press L to login

FACILITY MANAGEMENT

Where would you like to go : r for Restaurant and h for Hospital: h

List of Hospital:

1. Apollo hospitals

2. Max Hospital

3. Kailash Hospital

4. Medanta

5. Fortis Hospitals

Do you want to book an appointment?(y/n)

Press ESC to exit

Command Prompt - a

Kailash Hospital

Your name: Vatsal

Your phone number: 8447944871

Date: 2 March 2018

Thanks for visiting us

FUNCTIONS NAMES:-

1. void gotoxy (int x, int y);
2. void intro();
3. void rectangle(int x,int y,int l,int
b);
4. void welcome();
5. void clrscr();
6. void menu();
7. void shortest();
8. void firstPage();
9. void menuPage();
- 10.void pizzaPage(float &price,vector
<string>& itm, int &k);
- 11.void sidesPage(float &price, vector
<string>& itm, int &k);
- 12.void drinksPage(float &price, vector
<string>& itm, int &k);
- 13.void exitPage();
- 14.void SouthIndianNonVegPage(float
&price,vector <string>& itm, int &k);

```
15.void SouthIndianVegPage(float
    &price, vector <string>& itm, int
    &k);
16.void SouthIndianDrinksPage(float
    &price, vector <string>& itm, int
    &k);
17.void chineseveg(float &price,vector
    <string>& itm, int &k);
18.void chinesenonveg(float &price,
    vector <string>& itm, int &k);
19.void chinesedrinks(float &price,
    vector <string>& itm, int &k);
20.void ItalianNonVegPage(float
    &price,vector <string>& itm, int &k);
21.void ItalianVegPage(float &price,
    vector <string>& itm, int &k);
22.void ItalianDrinksPage(float &price,
    vector <string>& itm, int &k);
23.void shakes(float &price,vector
    <string>& itm, int &k);
24.void beverages(float &price, vector
    <string>& itm, int &k);

25.void selectrestau();

25.void showLine1();
26.void newline();
```

```
27.void desserts();
```

```
28.void hospital();
```