

IBM CAREER EDUCATION

MAIN PROJECT

DOMAIN NAME: JAVA

HOSPITAL MANAGEMENT SYSTEM

Submitted By,

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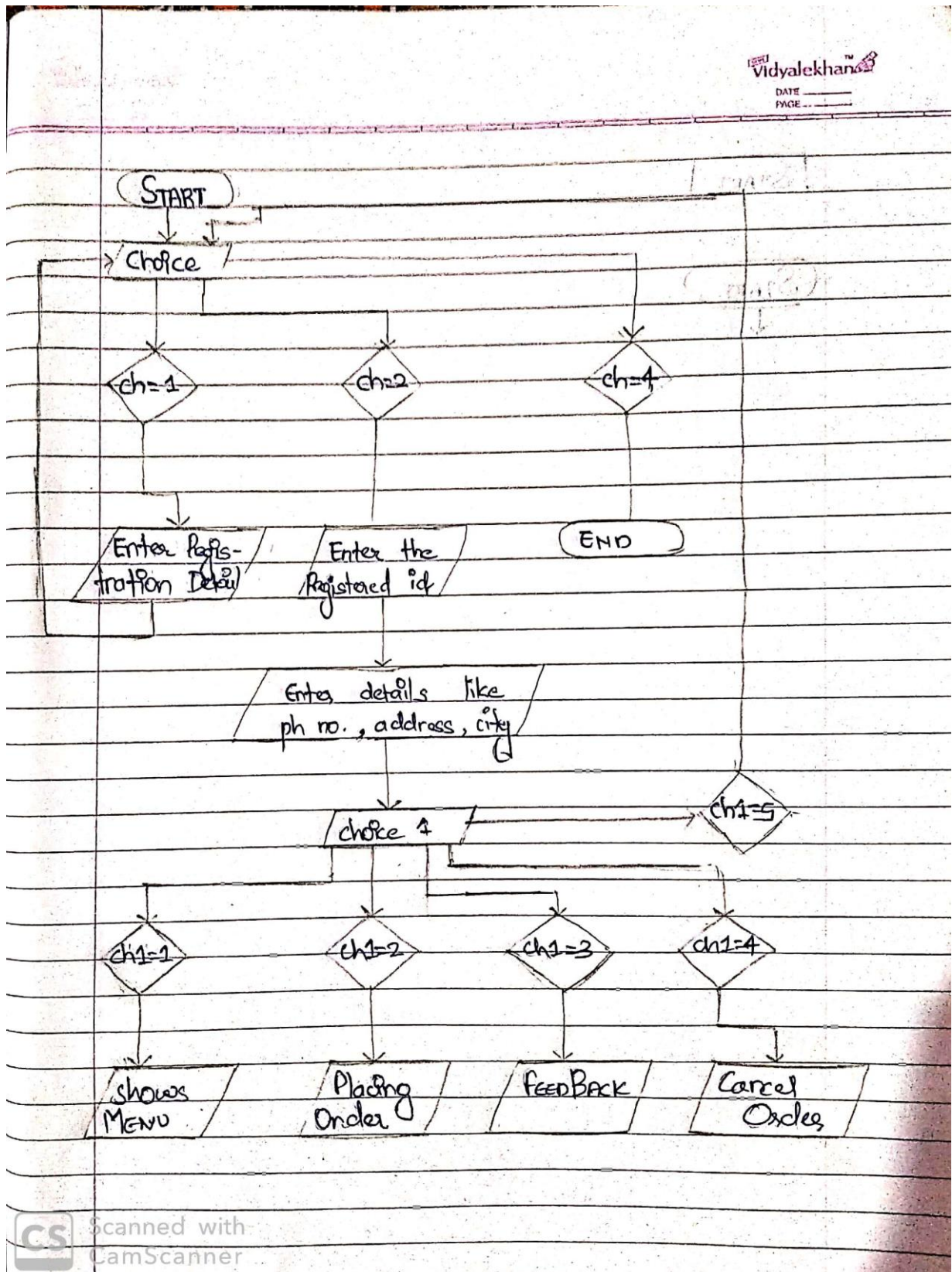
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HOTEL MANAGEMENT SYSTEM

FLOWCHART



HOTEL MANAGEMENT SYSTEM

SOFTWARE SPECIFICATIONS

- OPERATING SYSTEM : Linux / Windows / IOS
- ENVIRONMENT : IBM RAD Software

HARDWARE SPECIFICATIONS

- PROCESSOR : PENTIUM IV 2.8MHz
- RAM : 256 MB SD RAM
- MONITOR : 15" COLOR
- HARD DISK : 40 GB
- FLOPPY DRIVE : 1.44 MB

HOTEL MANAGEMENT SYSTEM

DESCRIPTION

INTRODUCTION:

The Hotel Management System (HMS) is a resource planning for a hotel. It is an enterprise to help maintain and track the food orders of customers and take care of their orders if they make any amendments or cancel their order.

DESCRIPTION:

It is a project which aims in developing a computerized system to manage the hotel. It helps the hotel manager to manage the orders in a proper way, using which he/she can keep the track of the orders pending and the orders to be placed in future and manage the orders which are cancelled as well. All the hotel login and register modules are in the system, using which the customers can register and log into the site.

These modules will also help the manager to keep track of a particular order of a particular customer.

PROS:

- . Less human efforts.
- . As the system is computerised so making it fast, this leads to time saving.
- . Ease of use.
- . Low chances of errors.
- . Better management and boost in business.

CONS:

- . Security issues.
- . Keeping regular track of the system.
- . Business becomes dependent on one single system.

HOTEL MANAGEMENT SYSTEM

PICTURES



HOTEL



ORDERING FOOD.

MAKE CHANGES TO YOUR ORDER.



CANCEL THE ORDER IF YOU WANT TO.



**BETTER CUSTOMER AND SELLER
RELATIONSHIP.**

HOTEL MANAGEMENT SYSTEM

AIM:

To create a computerised hotel management system which:-

- **Helps select from the menu.**
- **Helps to place an order.**
- **Helps to make changes to the order if the customers wants.**
- **Helps to even cancel the order if the customers change their mind.**
- **Helps to register and log into the site to take the full advantages of the site.**

PROGRAM:

```
import java.util.*;
import java.io.Console;
import java.io.BufferedReader;
import java.io.InputStreamReader;
class project1
{
public static void main(String[] args)
{
Hashtable<String,String> ht= new
Hashtable<String,String>();
Console console=System.console();
```

```

Scanner sc = new Scanner(System.in);
String regid="O101";
int choice,choice1;
double ph;
String reg_name;
String add;
char[] password;
int sum=0;
String flag="true";
System.out.println("=====
=====
=====");
System.out.println("                Hotel
Management System                ");
System.out.println("=====
=====
=====");
do
{
System.out.println("1. Registration");
System.out.println("2. Log into Your account");
System.out.println("4. Exit");
//System.out.println("3. Display ALL");
System.out.println("Enter Your Choice:");
choice=sc.nextInt();
switch(choice)
{
case 1:
System.out.println("Enter Your User Name:");
reg_name=sc.next();

```

```
System.out.println("Enter Password:");
password = console.readPassword();
ht.put(reg_name,new String(password));
System.out.println("Thanks For Registration, Hope
We will be able to Serve You the Best FOOD of
your life :)");
System.out.println("");
break;
case 2:
System.out.println("Enter Your User Name:");
reg_name=sc.next();
System.out.println("Enter Password:");
password = console.readPassword();

if(ht.containsKey(reg_name))
{
if(ht.containsValue(new String(password)))
{
System.out.println("Please Enter the Following
Details.....");
System.out.println("Enter your Phone Number:");
ph=sc.nextDouble();
System.out.println("Enter Address:");
add=sc.next();
System.out.println("Enter your City:");
String city=sc.next();
System.out.println("Enter your Email Address:");
String email=sc.next();
System.out.println("");
do
```

```

{
System.out.println("1. Menu");
System.out.println("2. Place the Order");
System.out.println("3. For FeedBack");
System.out.println("4. For Cancel The Order");
System.out.println("5. For Main Page");
System.out.println("Enter the Choice");
choice1=sc.nextInt();
switch(choice1)
{
case 1:
System.out.println("\tVEG\t\t\t\t\tNON-VEG\t");
System.out.println("CODE\tNAME\t\tPRICE(In-
Rs)\tCODE\tNAME\t\tPRICE(In-Rs)");
System.out.println("1\tPanner
Tikka\t130\t\t11\tChicken Tikka\t150");
System.out.println("2\tPanner
Curry\t120\t\t12\tChicken Curry\t170");
System.out.println("3\tPanner
Muglai\t140\t\t13\tChicken Muglai\t190");
System.out.println("4\tPanner
Biryani\t130\t\t14\tChicken Biryani\t180");
System.out.println("5\tPanner
Bhurji\t110\t\t15\tChicken Teriaki\t200");
System.out.println("6\tPanner
Masala\t120\t\t16\tChicken Masala\t170");
System.out.println("7\tPanner
Kofta\t110\t\t17\tChicken Kofta\t160");
System.out.println("8\tPanner
Tandoori\t200\t\t18\tChicken Tandoori270");

```

```

System.out.println("9\tPanner
Handi\t140\t\t19\tChicken Handi\t190");
System.out.println("10\tPanner
Kadhai\t140\t\t20\tChicken Kadhai\t190");
break;
case 2:
System.out.println("
\t\t*****\t\t");
System.out.println("
\t\t\t\t\tMENU
\t\t");
System.out.println("
\t\t*****\t\t");
System.out.println("\tVEG\t\t\t\t\tNON-VEG\t");
System.out.println("CODE\tNAME\t\tPRICE(In-
Rs)\tCODE\tNAME\t\tPRICE(In-Rs)");
System.out.println("1\tPanner
Tikka\t130\t\t11\tChicken Tikka\t150");
System.out.println("2\tPanner
Curry\t120\t\t12\tChicken Curry\t170");
System.out.println("3\tPanner
Muglai\t140\t\t13\tChicken Muglai\t190");
System.out.println("4\tPanner
Biryani\t130\t\t14\tChicken Biryani\t180");
System.out.println("5\tPanner
Bhurji\t110\t\t15\tChicken Teriaki\t200");
System.out.println("6\tPanner
Masala\t120\t\t16\tChicken Masala\t170");
System.out.println("7\tPanner
Kofta\t110\t\t17\tChicken Kofta\t160");
System.out.println("8\tPanner

```

```

Tandoori\t200\t\t\t18\tChicken Tandoori270");
System.out.println("9\tPanner
Handi\t140\t\t\t19\tChicken Handi\t190");
System.out.println("10\tPanner
Kadhai\t140\t\t\t20\tChicken Kadhai\t190");
System.out.println("Enter the Number of Items
you Want to Order:");
int choice2=sc.nextInt();
for(int i=1;i<=choice2;i++)
{
System.out.println("Enter The Code:");
int c1=sc.nextInt();
if(c1==1)
{
sum=sum+130;
}
else if(c1==2)
{
sum=sum+120;
}
else if(c1==3)
{
sum=sum+140;
}
else if(c1==4)
{
sum=sum+130;
}
else if(c1==5)
{

```

```
sum=sum+110;
}
else if(c1==6)
{
sum=sum+120;
}
else if(c1==7)
{
sum=sum+110;
}
else if(c1==8)
{
sum=sum+200;
}
else if(c1==9)
{
sum=sum+140;
}
else if(c1==10)
{
sum=sum+140;
}
else if(c1==11)
{
sum=sum+150;
}
else if(c1==12)
{
sum=sum+170;
}
```

```
else if(c1==13)
{
sum=sum+190;
}
else if(c1==14)
{
sum=sum+180;
}
else if(c1==15)
{
sum=sum+200;
}
else if(c1==16)
{
sum=sum+170;
}
else if(c1==17)
{
sum=sum+160;
}
else if(c1==18)
{
sum=sum+270;
}
else if(c1==19)
{
sum=sum+190;
}
else if(c1==20)
{
```



```
sum=sum+190;
}
}
System.out.println("Sum of the Order is:"+sum);
System.out.println("Do you Have any Coupon
Code?");
String cc=sc.next();
if(cc.equals("YES")||cc.equals("yes"))
{
System.out.println("Please Enter the Coupon
Code:");
String cc1=sc.next();
if(cc1.equals("FIRST30")||cc1.equals("first30"))
{
int sum1=(sum*30)/100;
sum=sum-sum1;
System.out.println("You Got 30% Discount");
System.out.println("Discounted Amount is
"+sum);
}
else
if(cc1.equals("FIRST20")||cc1.equals("first20"))
{
int sum1=(sum*20)/100;
sum=sum-sum1;
System.out.println("You Got 20% Discount");
System.out.println("Discounted Amount is
"+sum);
}
else
```

```
if(cc1.equals("FIRST10")||cc1.equals("first10"))
{
int sum1=(sum*10)/100;
sum=sum-sum1;
System.out.println("You Got 10% Discount");
System.out.println("Discounted Amount is
"+sum);
}
System.out.println("Your Address provided is
"+add);
System.out.println("Your Phone Number Provided
is "+ph);
System.out.println("Please Confirm(1-Correct/0-
Change)");
int con =sc.nextInt();
if(con==1)
{
System.out.println("Thank You For placing the
Order");
System.out.println("Your Order will be Delivered
Soon....");
}
else
{
System.out.println("Enter your Phone Number:");
ph=sc.nextDouble();
System.out.println("Enter Address:");
add=sc.next();
System.out.println("Thank You, Your Details
Have been updated");
```

```
System.out.println("And Your Order will be  
Delivered Soon....");  
}  
}  
else  
{  
System.out.println("No Problem");  
System.out.println("Your Address provided is  
"+add);  
System.out.println("Your Phone Number Provided  
is "+ph);  
System.out.println("Please Confirm(1-Correct/0-  
Change)");  
int con =sc.nextInt();  
if(con==1)  
{  
System.out.println("Thank You For placing the  
Order");  
System.out.println("Your Order will be Delivered  
Soon....");  
}  
else  
{  
System.out.println("Enter your Phone Number:");  
ph=sc.nextDouble();  
System.out.println("Enter Address:");  
add=sc.next();  
System.out.println("Thank You, Your Details  
Have been updated");  
System.out.println("And Your Order will be
```

```
Delivered Soon....");
}
}
break;
case 3:
System.out.println("Please Give your Precious
FeedBack:");
String fed = sc.next();
break;
case 4:
if(sum==0)
{
System.out.println("NO ORDER is Placed");
System.out.println("");
}
else
{
System.out.println("Your Order is Cancelled");
System.out.println("");
}
sum=0;
break;
default:
System.out.println("Back to the Main Page");
System.out.println("");
break;
}
}
while(choice1<5);
}
```

```
else
{
System.out.println("Password Not Found!");
System.out.println("");
}
}
else
{
System.out.println("Username Not Found!");
System.out.println("");
}
break;
case 3:
System.out.println(ht);
break;
default:
break;
}
}
while(choice<4);
}
}
```

EXPLANATION ABOUT PROJECT:

This project is based on 3 modules:

1.Home page and Registration page :-

For the customers to know what the site is featuring and help customers to register themselves in.

2.Login page and Menu card:-

For the customers to log into the site and order food of their tastes using the menu card including the pricings and name of the corresponding food items provided by the hotel.

3.Online ordering and cancelations:-

For customers to place the order of the food items that they have chosen from the menu card and make changes to the order if they demand such and can also cancel the order if they don't want to order it.

OUTPUT SCREENSHOTS:

```

=====
Hotel Management System
=====
1. Registration
2. Log into Your account
4. Exit
Enter Your Choice:
1
Enter Your User Name:
manav
Enter Password:

Thanks For Registration, Hope We will be able to Serve You the Best FOOD of your life :)

1. Registration
2. Log into Your account
4. Exit
Enter Your Choice:
2
Enter Your User Name:
manav
Enter Password:

Please Enter the Following Details.....
Enter your Phone Number:
7069117654
Enter Address:
gota
Enter your City:
ahmedabad
Enter your Email Address:
manav@gmail.com

1. Menu
2. Place the Order
3. For FeedBack

```

```

2. Place the Order
3. For FeedBack
4. For Main Page
Enter the Choice
1

```

CODE	VEG	NAME	PRICE(In-Rs)	CODE	NON-VEG	NAME	PRICE(In-Rs)
1	Panner	Tikka	130	11	Chicken	Tikka	150
2	Panner	Curry	120	12	Chicken	Curry	170
3	Panner	Muglai	140	13	Chicken	Muglai	190
4	Panner	Biryani	130	14	Chicken	Biryani	180
5	Panner	Bhurji	110	15	Chicken	Teriaki	200
6	Panner	Masala	120	16	Chicken	Masala	170
7	Panner	Kofta	110	17	Chicken	Kofta	160
8	Panner	Tandoori	200	18	Chicken	Tandoori	270
9	Panner	Handi	140	19	Chicken	Handi	190
10	Panner	Kadhai	140	20	Chicken	Kadhai	190

```

1. Menu
2. Place the Order
3. For FeedBack
4. For Main Page
Enter the Choice
2

```

```

*****
MENU
*****

```

CODE	VEG	NAME	PRICE(In-Rs)	CODE	NON-VEG	NAME	PRICE(In-Rs)
1	Panner	Tikka	130	11	Chicken	Tikka	150
2	Panner	Curry	120	12	Chicken	Curry	170
3	Panner	Muglai	140	13	Chicken	Muglai	190
4	Panner	Biryani	130	14	Chicken	Biryani	180
5	Panner	Bhurji	110	15	Chicken	Teriaki	200
6	Panner	Masala	120	16	Chicken	Masala	170
7	Panner	Kofta	110	17	Chicken	Kofta	160
8	Panner	Tandoori	200	18	Chicken	Tandoori	270
9	Panner	Handi	140	19	Chicken	Handi	190
10	Panner	Kadhai	140	20	Chicken	Kadhai	190

```

Enter the Number of Items you Want to Order:
3
Enter The Code:
3
Enter The Code:

```

```
Enter The Code:
3
Enter The Code:
5
Enter The Code:
20
Sum of the Order is:440
Do you Have any Coupon Code?
n
No Problem
Your Address provided is gota
Your Phone Number Provided is 7.069117654E9
Please Confirm(1-Correct/0-Change)
1
Thank You For placing the Order
Your Order will be Delivered Soon....
```

REFERENCES:

1. <https://www.geeksforgeeks.org/>
2. Wikipedia (for some implementation concepts)
3. Google images.

CONCLUSION:

1. A better, smart, time efficient and easy to manage alternative of existing ways of managing hotel orders.
2. This project provides a computerized version of hotel management system which will benefit the customers as well as the staff of the hotel.