

Abstract

Database is a collection of data and the way to handle access and use the data. The system which manages all the activities related to database is known as database management system

Few years ago, when the database system was not come to picture, all the data in the various systems (like bank, railway station, hospital, etc.) were kept in files. It was very Confucius and lengthy process to access or change data in file system. The same problem was occurring to the hotel management.

Conceptual Model

A type of diagram which shows of a set of relationships between factors that are believed to impact or lead to a target condition; a diagram that defines theoretical entities, objects, or conditions of a system and the relationships between them.

Ex: This conceptual model has been divided into a set of process flow models, data flows, a logical data model and a data dictionary.

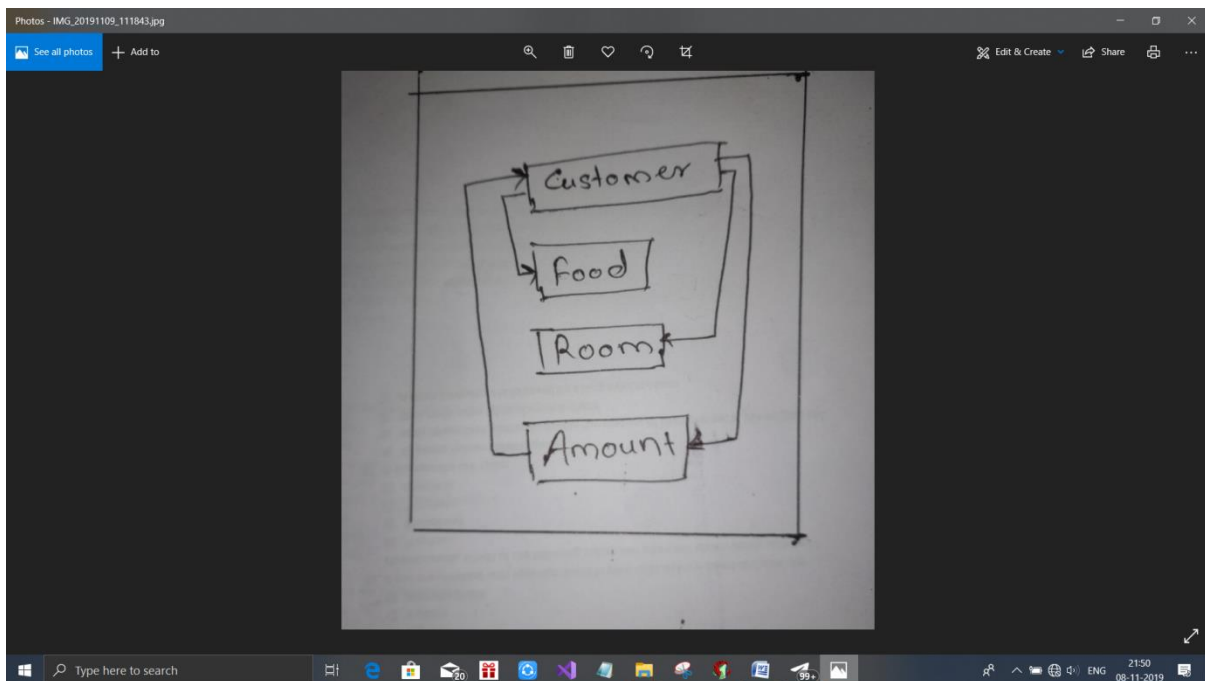


Fig 1 : Conceptual Model For Hotel Management System

E-R Model

The **entity-relationship model** (or ER model) is a way of graphically representing the logical relationships of entities (or objects) in order to create a database. In ER modeling, the structure for a database is portrayed as a diagram, called an entity-relationship diagram (or ER diagram), that resembles the graphical breakdown of a sentence into its grammatical parts. Entities are rendered as points, polygons, circles, or ovals. Relationships are portrayed as lines connecting the points, polygons, circles, or ovals. Any ER diagram has an equivalent relational table, and any relational table has an equivalent ER diagram. ER diagramming is an invaluable aid to engineers in the design, optimization, and debugging of database programs.

Below diagram shows ER diagram For a hotel management system -

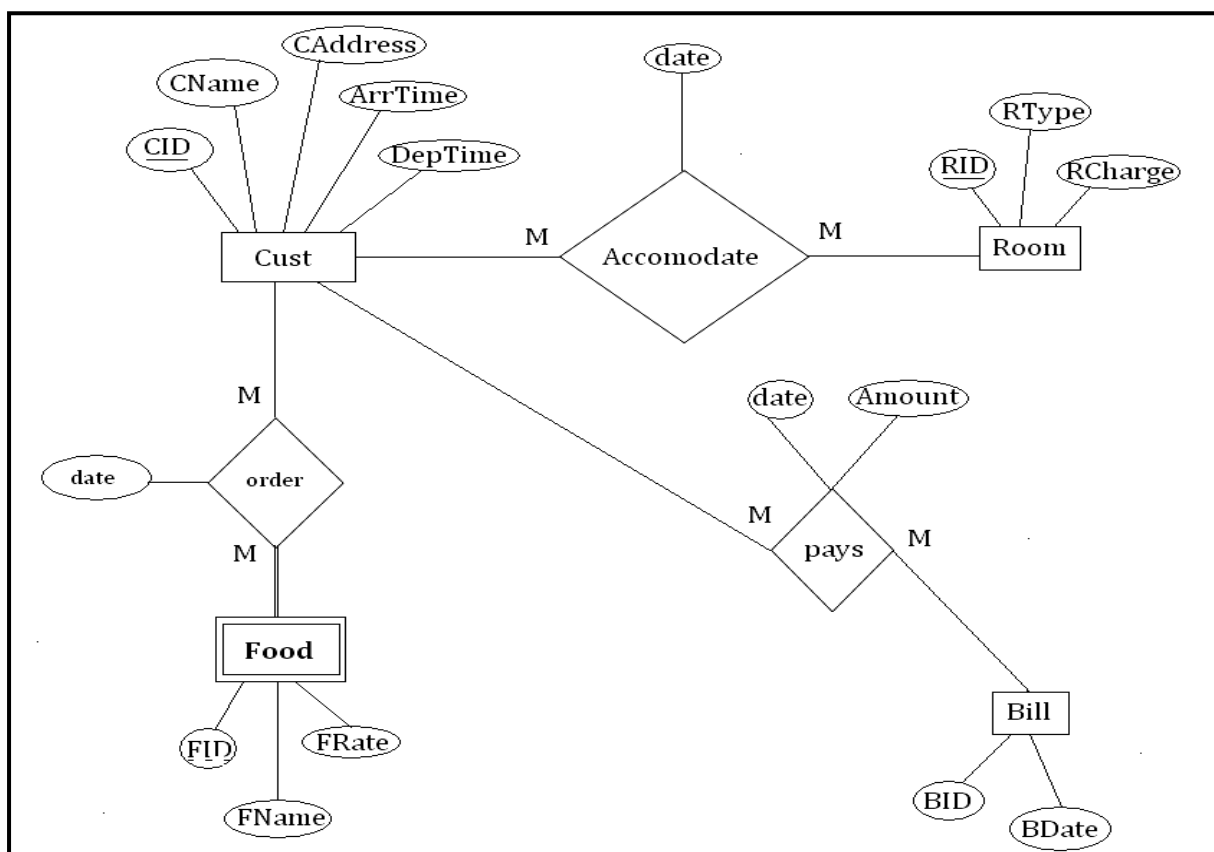


Fig 2 : E-R model for Hotel Management

333Relational Model

The **relational model** for database management is a database model based on first-order predicate logic, first formulated and proposed in 1969 by Edgar F. Codd. In the relational model of a database, all data is represented in terms of tuples, grouped into relations. A database organized in terms of the relational model is a relational database. The purpose of the relational model is to provide a declarative method for specifying data and queries: users directly state what information the database contains and what information they want from it, and let the database management system software take care of describing data structures for storing the data and retrieval procedures for answering queries.

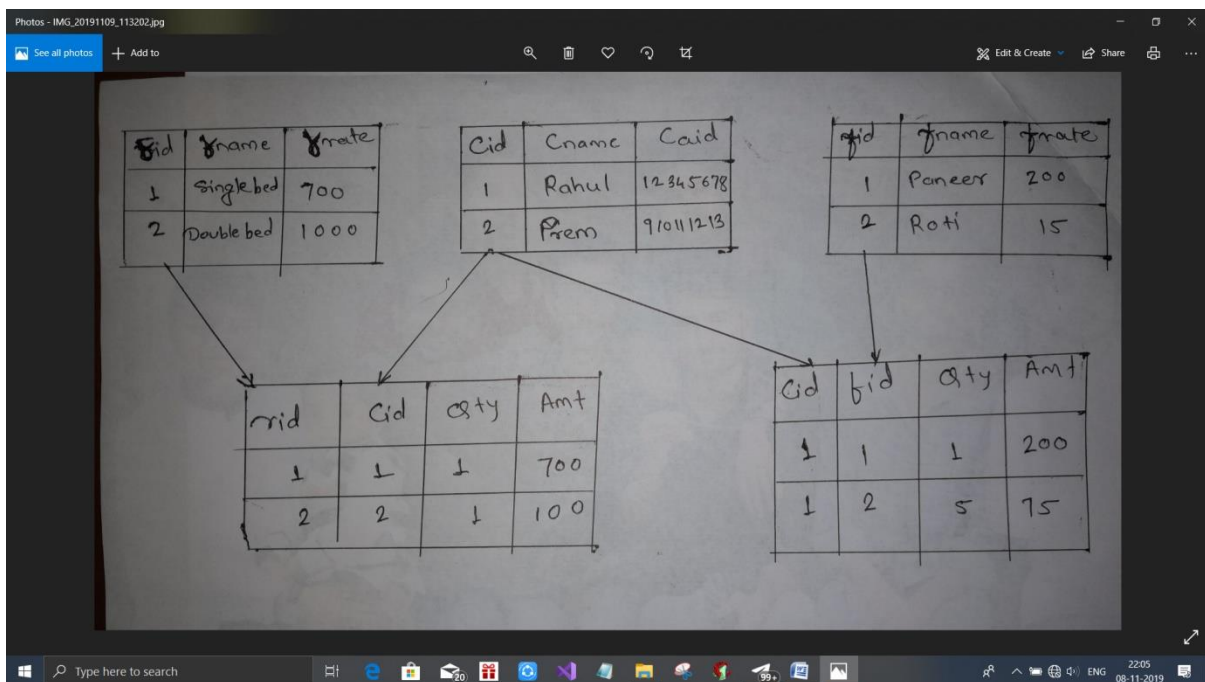


Fig 3 : Relational Model for Railway Reservation System

Mapping of conceptual model to relational model:

Customer—M—Accommodate—M—Room

Customer(cid,cname,caid)

Room(rid,rtype,rrate)

Accommodate(cid,rid,date)

Customer—M—Order—M—Food

Customer(cid,cname,caid)

Food(fid,fname,frate)

Order(cid,fid,date)

Normalization

Normalization is a systematic approach of decomposing tables to eliminate data redundancy and undesirable characteristics like Insertion, Update and Deletion Anamolies. It is a two step process that puts data into tabular form by removing duplicated data from the relation tables.

Problem Without Normalization:

Without Normalization, it becomes difficult to handle and update the database, without facing data loss. Insert, Update and Delete Anamolies are very frequent if Database is not Normalized.

Insert Anamolies:

When we want to enter a value into a data cell but the attempt is prevented, as another value is not known.

Update Anamolies:

When we want to change a single data item value, but must update multiple entries.

Delete Anamolies:

When a value we want to delete also means we will delete values we wish to keep.

Un-Normalized form (UNF):

A table that contains one or more attribute or group of attributes within a table that occurs with multiple values for a single occurrence of the nominated key attributes of that table.

Customer

ID:

Name: AdharID:

Food

Sr.No.	Item	Rate	Qty	Amount
1	Panir Tikka	190	<input type="text"/>	<input type="text"/>
1	Panir Tikka	190	<input type="text"/>	<input type="text"/>
1	Panir Tikka	190	<input type="text"/>	<input type="text"/>

Total Amount :

Room

Room NO.:

Room Type:

Rate:

Qty:

Amount:

Total Amount :

R(cid,cname,caid(fid,fname,frate)(rid,rname,rrate))

First normal form (1NF): A relation in which the intersection of each row and column contains one and only one value.

Ex :

R₁(cid,cname,caid)

R₂(fid,fname,frate,qty,amt)

R₃(rid,rname,rrate,qty,amt)

Second normal form (2NF): A relation that is in 1NF and every non-primary key attribute is fully functionally dependent on the primary key.

Ex :

R₁(cid,cname,caid)

R₂(fid,fname,frate)

R₂₁(cid,fid,qty,amt)

R₃(rid,rname,rate)

R₃₁(cid,rid,qty,amt)

Third normal form (3NF): A relation that is in 1NF and 2NF, and in which no non-primary key attribute is transitively dependent on the primary key.

Ex :

R₁(cid,cname,caid)

R₂(fid,fname,frate)

R₂₁(cid,rid,qty,amt)

R₃(rid,rname,rrate)

R₃₁(cid,rid,qty,amt)

SQL 1 Snapshots

First of all we will create a new database hotelm as follows-

```
mysql> create database hotelm;
Query OK, 1 row affected (0.01 sec)

mysql> use hotelm;
Database changed
mysql> _
```

In this database, we will add relations namely , customer , food , room , fbill , rbill .

```
mysql> create database hotelm;
Query OK, 1 row affected (0.01 sec)

mysql> use hotelm;
Database changed
mysql> create table customer(cid integer NOT NULL AUTO_INCREMENT, cname varchar(50), caid numeric(20), primary key(cid));
Query OK, 0 rows affected (0.07 sec)

mysql> create table FOOD(fid int(50) NOT NULL AUTO_INCREMENT, fname varchar(20), frate int(30), primary key(fid));
Query OK, 0 rows affected, 2 warnings (0.06 sec)

mysql> create table ROOM(rid int(50) NOT NULL AUTO_INCREMENT, rtype varchar(20), rrare int(50), primary key(rid));
Query OK, 0 rows affected, 2 warnings (0.06 sec)

mysql> create table fbill(cid numeric(5), fid numeric(10), primary key(cid , fid), Qty integer, Amt integer);
Query OK, 0 rows affected (0.06 sec)

mysql> create table Rbill(cid numeric(5), rid numeric(5), primary key(cid , rid), Qty integer, Amt integer);
Query OK, 0 rows affected (0.05 sec)

mysql>
```

Customer tables stores customer details like customer id , customer name , customer adhar id . Foods table stores details about food ID ,food name and food rate . room table stores details about rooms in hotel. While fbill and rbill stores billing of food and room .

```
mysql> desc customer;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| cid   | int(11) | NO   | PRI | NULL    | auto_increment |
| cname | varchar(50) | YES |     | NULL    |               |
| caid  | decimal(20,0) | YES |     | NULL    |               |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)

mysql> desc food;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| fid   | int(50) | NO   | PRI | NULL    | auto_increment |
| fname | varchar(20) | YES |     | NULL    |               |
| frate | int(30) | YES |     | NULL    |               |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> desc room;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| rid   | int(50) | NO   | PRI | NULL    | auto_increment |
| rtype | varchar(20) | YES |     | NULL    |               |
| rrare | int(50) | YES |     | NULL    |               |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> desc fbill;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| cid   | decimal(5,0) | NO   | PRI | NULL    |               |
| fid   | decimal(10,0) | NO   | PRI | NULL    |               |
| Qty   | int(11) | YES |     | NULL    |               |
| Amt   | int(11) | YES |     | NULL    |               |
+----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

Here we are inserting values in Food table.

```
mysql> insert into FOOD value(1,'Panir Tikka',190);insert into FOOD value(2,'Malai Kofta',150);insert into FOOD value(3,'Kaju Katli',125);insert into FOOD value(4,'Dam Aalu',110);insert into FOOD value(5,'Veg Kolhapuri',100);insert into FOOD value(6,'Methi Masala',90);insert into FOOD value(7,'Bengal Masala',80);insert into FOOD value(8,'Palak Paneer',150);insert into FOOD value(9,'Bhendi Fry',90);insert into FOOD value(10,'Tanduri Roti',15);insert into FOOD value(11,'Bhakri',15);insert into FOOD value(12,'Matar Paneer',175);insert into FOOD value(13,'Veg Manchurian',80);insert into FOOD value(14,'Masala Papad',10);insert into FOOD value(15,'Plain Rice',80);insert into FOOD value(16,'Pulav',100);insert into FOOD value(17,'Ice-Cream',50);
Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)
```

Here we are inserting values in Room table.

```
mysql> insert into ROOM value(1,'Single bed-AC',700);insert into ROOM value(2,'Single bed-AC',700);insert into ROOM value(3,'Single bed-AC',700);insert into ROOM value(4,'Single bed-AC',700);insert into ROOM value(5,'Double bed-AC',1000);insert into ROOM value(6,'Double bed-AC',1000);insert into ROOM value(7,'Double bed-AC',1000);insert into ROOM value(8,'Double bed-AC',1000);insert into ROOM value(9,'Double bed-NON-AC',800);insert into ROOM value(10,'Double bed-NON-AC',800);insert into ROOM value(11,'Double bed-NON-AC',800);insert into ROOM value(12,'Single bed-NON-AC',500);insert into ROOM value(13,'Single bed-NON-AC',500);insert into ROOM value(14,'Single bed-NON-AC',500);insert into ROOM value(15,'Single bed-NON-AC',500);
Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.01 sec)
```

SQL 2 Snapshots

```
Select MySQL 8.0 Command Line Client

mysql>
mysql> insert into customer values(5,'worker',231456985);
Query OK, 1 row affected (0.14 sec)

mysql> select * from customer;
+-----+-----+-----+
| cid | cname | caid |
+-----+-----+-----+
| 1 | admin | 12345678910 |
| 2 | student | 345357544 |
| 3 | msd | 1212121212 |
| 5 | worker | 231456985 |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select cname,caid from customer where cid = 1;
+-----+-----+
| cname | caid |
+-----+-----+
| admin | 12345678910 |
+-----+-----+
1 row in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client

mysql> select cname,Amt from customer,fbill where customer.cid = fbill.cid AND fbill.Amt = 300;
+-----+-----+
| cname | Amt |
+-----+-----+
| admin | 300 |
| student | 300 |
| msd | 300 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> _
```

```
MySQL 8.0 Command Line Client
mysql> select * from customer join fbill where fbill.fid = 1;
+-----+
| cid | cname | caid | cid | fid | Qty | Amt |
+-----+
| 1 | admin | 12345678910 | 1 | 1 | 1 | 190 |
| 1 | admin | 12345678910 | 2 | 1 | 1 | 190 |
| 2 | student | 345357544 | 1 | 1 | 1 | 190 |
| 2 | student | 345357544 | 2 | 1 | 1 | 190 |
| 3 | msd | 1212121212 | 1 | 1 | 1 | 190 |
| 3 | msd | 1212121212 | 2 | 1 | 1 | 190 |
+-----+
6 rows in set (0.14 sec)

mysql> select * from customer join rbill where rbill.rid = 1;
+-----+
| cid | cname | caid | cid | rid | Qty | Amt |
+-----+
| 1 | admin | 12345678910 | 1 | 1 | 1 | 700 |
| 1 | admin | 12345678910 | 5 | 1 | 0 | 0 |
| 1 | admin | 12345678910 | 6 | 1 | 2 | 1400 |
| 2 | student | 345357544 | 1 | 1 | 1 | 700 |
| 2 | student | 345357544 | 5 | 1 | 0 | 0 |
| 2 | student | 345357544 | 6 | 1 | 2 | 1400 |
| 3 | msd | 1212121212 | 1 | 1 | 1 | 700 |
| 3 | msd | 1212121212 | 5 | 1 | 0 | 0 |
| 3 | msd | 1212121212 | 6 | 1 | 2 | 1400 |
+-----+
9 rows in set (0.07 sec)
```

Application Snapshot

Following application window shows main interface of hotel management application-

The application window displays the main interface for a hotel management system. It is divided into several sections:

- Customer Section:** Includes an ID input field, a 'GetInfo' button, a 'Reset' button, a Name input field, an AdharID input field, a 'NEW ID' button, and a 'Total Amount to Pay' button.
- Food Section:** Contains a table with columns: Sr.No., Item, Rate, Qty, and Amount. The table has three rows, each with a dropdown for Sr.No. (set to 1), a dropdown for Item (set to Panir Tikka), a dropdown for Rate (set to 190), an empty Qty input field, and an empty Amount input field. A 'Total Amount : ' label is at the bottom of this section.
- Room Section:** Includes a 'Room NO.' dropdown (set to 1), a 'Room Type' dropdown (set to Single bed-AC), a 'Rate' dropdown (set to 700), an empty 'Qty' input field, an empty 'Amount' input field, and a 'Total Amount : ' label.
- Footer:** A 'Complete Order' button is located at the bottom center of the window.

Here we can use previous customer ID or create new one , to create new ID , just click on NEW ID button on main screen. Following window shows interface to create new ID.

The screenshot shows a window titled 'newid' with a light gray background. It contains three input fields: 'ID' (with a blue border and a cursor), 'CUSTOMER NAME', and 'AADHAR ID'. Below these fields are two buttons: 'SAVE' and 'EXIT'.

On entering valid details and pressing SAVE button a pop up appears as follows:

The screenshot shows the 'newid' window with the input fields filled: 'ID' contains '3', 'CUSTOMER NAME' contains 'msd', and 'AADHAR ID' contains '1212121212'. The 'SAVE' button is highlighted with a blue border. A small dialog box titled 'DATA SAVED' with an 'OK' button is overlaid on the bottom right of the main window.

Now in main window , when we enter customer ID , customer name and adhar ID appers . Following window –

The screenshot shows a software window with three main sections: Customer, Food, and Room. In the Customer section, the ID is 3, Name is 'msd', and AdharID is '1212121212'. There are buttons for 'GetInfo', 'Reset', and 'NEW ID', and a 'Total Amount to Pay' field. The Food section contains a table with columns for Sr.No., Item, Rate, Qty, and Amount. It lists three entries of 'Panir Tikka' at a rate of 190. The Room section has dropdowns for Room NO. (1), Room Type (Single bed-AC), Rate (700), and Qty, with an Amount field and a 'Total Amount' field. A 'Complete Order' button is at the bottom. A small dialog box with 'data shown' and an 'OK' button is overlaid on the Food table.

Sr.No.	Item	Rate	Qty	Amount
1	Panir Tikka	190		
1	Panir Tikka	190		
1	Panir Tikka	190		

Total Amount : _____

Room Details:

- Room NO.: 1
- Room Type: Single bed-AC
- Rate: 700
- Qty: _____
- Amount: _____
- Total Amount : _____

Complete Order

After entering ID and we can choose food and room details-

This screenshot is similar to the first one, but the 'Item' dropdown in the Food table is open, showing a list of food items. The first item, 'Panir Tikka', is selected. The other details (Customer info, Room details, and buttons) remain the same as in the previous screenshot.

Sr.No.	Item	Rate	Qty	Amount
1	Panir Tikka	190		0
1	Panir Tikka	190		
1	Panir Tikka	190		

Total Amount : _____

Room Details:

- Room NO.: 1
- Room Type: Single bed-AC
- Rate: 700
- Qty: _____
- Amount: _____
- Total Amount : _____

Complete Order

After entering all details , total amount to pay is calculated-

Customer

ID

3

GetInfo

Reset

1645

Name: msd

AdharID: 1212121212

NEW ID

Total Amount to Pay

Food

Sr.No.	Item	Rate	Qty	Amount
3	Kaju Katli	125	1	125
4	Dam Aalu	110	2	220
5	Veg Kolhapuri	100	3	300
Total Amount :				645

Room

Room NO.:

5

Room Type:

Double bed-AC

Rate:

1000

Qty:

1

Amount:

1000

Total Amount :

1000

Complete Order

To complete order , we have to click on Complete Order button and a pop up appears-

Customer

ID

3

GetInfo

Reset

1645

Name: msd

AdharID: 1212121212

NEW ID

Total Amount to Pay

Food

Sr.No.	Item	Rate	Qty	Amount
3	Kaju Katli	125	1	125
4	Dam Aalu	110	2	220
5	Veg Kolhapuri	100	3	300
Total Amount :				645

Room

Room NO.:

6

Room Type:

Double bed-AC

Rate:

1000

Qty:

1

Amount:

1000

Total Amount :

1000

Complete Order

Order Complited

OK

Source Code

```
Form 1
Imports MySql.Data.MySqlClient
Public Class reception
Dim conn
AsNew MySqlConnection("server=localhost;userid=root;password=future;persistsecurityinfo
=True;database=hotelm")
Dim cmd1 As MySqlCommand
Dim rdr As MySqlDataReader
Dim rd As New DataTable
Dim cmd As MySqlCommand
Dim adr As MySqlDataAdapter
Private Sub reception_Load(sender As Object, e As EventArgs) Handles MyBase.Load
'TODO: This line of code loads data into the 'HotelmDataSet.room' table. You can move,
or remove it, as needed.
Me.RoomTableAdapter.Fill(Me.HotelmDataSet.room)
'TODO: This line of code loads data into the 'HotelmDataSet.food' table. You can move,
or remove it, as needed.
Me.FoodTableAdapter.Fill(Me.HotelmDataSet.food)

EndSub
Dim a As Integer
Dim b As Integer
Dim mul As Integer
Private Sub GetInfo_Click(sender As Object, e As EventArgs) Handles GetInfo.Click
Try
conn.Open()
cmd = New MySqlCommand("use hotelm", conn)
cmd.ExecuteNonQuery()
cmd1 = New MySqlCommand("select * from customer where cid=@id", conn)
cmd1.Parameters.AddWithValue("@id", Val(TB1.Text))
adr = New MySqlDataAdapter(cmd1)
Try
adr.Fill(rd)
Label2.Text = rd(0)(1)
Label3.Text = rd(0)(2)
MessageBox.Show("data shown")
Catch ex As Exception
MessageBox.Show("Invalid id")
EndTry
Catch ex As MySqlException
MessageBox.Show(ex.ToString)
EndTry
EndSub
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
newid.Show()
EndSub
Private Sub M1_Click(sender As Object, e As EventArgs) Handles M1.Click
a = Val(R1.Text)
b = Val(Q1.Text)
mul = (a * b)
M1.Text = mul
EndSub
Private Sub M2_Click(sender As Object, e As EventArgs) Handles M2.Click
a = Val(R2.Text)
b = Val(Q2.Text)
mul = (a * b)
M2.Text = mul
EndSub
Private Sub M3_Click(sender As Object, e As EventArgs) Handles M3.Click
```

```

        a = Val(R3.Text)
        b = Val(Q3.Text)
mul = (a * b)
        M3.Text = mul
EndSub
Dim sum As Integer
Dim c As Integer
PrivateSub Total_Click(sender As Object, e As EventArgs) Handles Total.Click
        a = Val(M1.Text)
        b = Val(M2.Text)
        c = Val(M3.Text)
sum = (a + b + c)
Total.Text = sum
EndSub
PrivateSub Amt_Click(sender As Object, e As EventArgs) Handles Amt.Click
        a = Val(RR.Text)
        b = Val(RQ.Text)
mul = (a * b)
Amt.Text = mul
EndSub
PrivateSub RTotal_Click(sender As Object, e As EventArgs) Handles RTotal.Click
RTotal.Text = Amt.Text
EndSub
PrivateSub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
        a = Val(Total.Text)
        b = Val(RTotal.Text)
sum = (a + b)
TA.Text = sum
EndSub
PrivateSub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Q1.Text = ""
    Q2.Text = ""
    Q3.Text = ""

    M1.Text = "_____"
    M2.Text = "_____"
    M3.Text = "_____"

Total.Text = "_____"

RQ.Text = ""
Amt.Text = "_____"
RTotal.Text = "_____"

TA.Text = "_____"
EndSub
Dim cmd2 As MySqlCommand
Dim cmd3 As MySqlCommand
Dim cmd4 As MySqlCommand
Dim cmd5 As MySqlCommand
PrivateSub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
Try
cmd = New MySqlCommand("use hotelm", conn)
cmd.ExecuteNonQuery()
        cmd2 = New MySqlCommand("insert into fbill values(@cid, @fid, @Qty, @Amt)",
conn)
cmd2.Parameters.AddWithValue("@cid", Val(TB1.Text))
cmd2.Parameters.AddWithValue("@fid", Val(F1.Text))
cmd2.Parameters.AddWithValue("@Qty", Val(Q1.Text))
cmd2.Parameters.AddWithValue("@Amt", Val(M1.Text))
cmd2.ExecuteNonQuery()

```

```

        cmd3 = New MySqlCommand("insert into fbill values(@cid, @fid, @Qty, @Amt)",
conn)
cmd3.Parameters.AddWithValue("@cid", Val(TB1.Text))
cmd3.Parameters.AddWithValue("@fid", Val(F2.Text))
cmd3.Parameters.AddWithValue("@Qty", Val(Q2.Text))
cmd3.Parameters.AddWithValue("@Amt", Val(M2.Text))
cmd3.ExecuteNonQuery()
        cmd4 = New MySqlCommand("insert into fbill values(@cid, @fid, @Qty, @Amt)",
conn)
cmd4.Parameters.AddWithValue("@cid", Val(TB1.Text))
cmd4.Parameters.AddWithValue("@fid", Val(F3.Text))
cmd4.Parameters.AddWithValue("@Qty", Val(Q3.Text))
cmd4.Parameters.AddWithValue("@Amt", Val(M3.Text))
cmd4.ExecuteNonQuery()
        cmd5 = New MySqlCommand("insert into rbill values(@cid, @fid, @Qty, @Amt)",
conn)
cmd5.Parameters.AddWithValue("@cid", Val(TB1.Text))
cmd5.Parameters.AddWithValue("@fid", Val(RN.Text))
cmd5.Parameters.AddWithValue("@Qty", Val(RQ.Text))
cmd5.Parameters.AddWithValue("@Amt", Val(Amt.Text))
cmd5.ExecuteNonQuery()
MessageBox.Show("Order Complted")
Catch ex As MySqlException
MessageBox.Show("Some Food or Room is Already Ordered")
EndTry
EndSub
EndClass

```

Form 2

```

Imports MySql.Data.MySqlClient
Public Class newid
Dim conn
As New MySqlConnection("server=localhost;userid=root;password=future;persistsecurityinfo
=True;database=hotelm")
Dim cmd1 As MySqlCommand
Dim rdr As MySqlDataReader
Dim rd As New DataTable
Dim cmd As MySqlCommand
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
Try
conn.Open()
cmd = New MySqlCommand("use hotelm", conn)
cmd.ExecuteNonQuery()
'cmd1 = New MySqlCommand("insert into marksheet1 values('name',62,11,'BC',20,20)",
conn)
        cmd1 = New MySqlCommand("insert into customer values(@cid,@cname,@caid)",
conn)
cmd1.Parameters.AddWithValue("@cid", Val(TextBox1.Text))
cmd1.Parameters.AddWithValue("@cname", (TextBox2.Text))
cmd1.Parameters.AddWithValue("@caid", Val(TextBox3.Text))
cmd1.ExecuteNonQuery()
conn.Close()
MessageBox.Show("DATA SAVED")
Catch ex As MySqlException
MessageBox.Show(ex.ToString)
EndTry
EndSub
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click

```

```
Me.Close()  
EndSub  
PrivateSub TextBox1_TextChanged(sender As Object, e As EventArgs) Handles  
    TextBox1.TextChanged  
  
EndSub  
EndClass
```