AUTOMATED FOOD DELIVERY SYSTEM [E.g. ZOMATO]

ABSTRACT

A project on “AUTOMATED FOOD DELIVERY SYSTEM” like example: ZOMATO.

A good restaurant *means* a restaurant that provides a good services, delicious food as well as promising comfort and a hygienic place to have a meal. AQ waiter plays an important role in order to satisfy the customer with a good services. Waiter usually have the flaw of tend to make some mistakes when taking the customer’s order. This will effects the restaurant’s reputation and customer’s satisfaction. Hence, with the existence of smart waiters system, this problem can be avoided as the customers can make their order from their own seats via touch screen LCD’s which are available on each table in the restaurant. As we are living in the era of high-tech devices, ordering food from a restaurant should also be brought to a whole new level. Going through the menu and ordering food from an LCD screen will be something common among restaurants and acceptable to the society. The server will store transaction_details, customer, food and other information in database. Automated Food Delivery System also can view the most high rated food in the system and automatically update it daily.

REQUIREMENT ANALYSIS

List of tables:

-customer

-orders

-address

-food

-delivery

-vehicle

List of attributes with their domain types:

Customer:

Customer name: c_name –varchar()

Customer id: c_id –number()

Phone number: phone –number()

Email id: email -varchar()

Orders:

Order id: o_id –number()

Amount: amount -number()

Customer id: c_id –number()

Address:

Address id: add_id number()

Customer id: C_id –number()

Door number: door_no number()

Place / area: place -varchar()

Postalcode: postal_code number(10)

Food:

Order id: o_id –number()

Food id: F_id –number()

Costs: costs –number()

Food name: f_name –varchar()

Delivery:

Order id: o_id –number()

Delivery id: d_id –number()

Address id(number) : add_id -number()

Employee name/delivery boy :Emp_name varchar()

Vehicle:

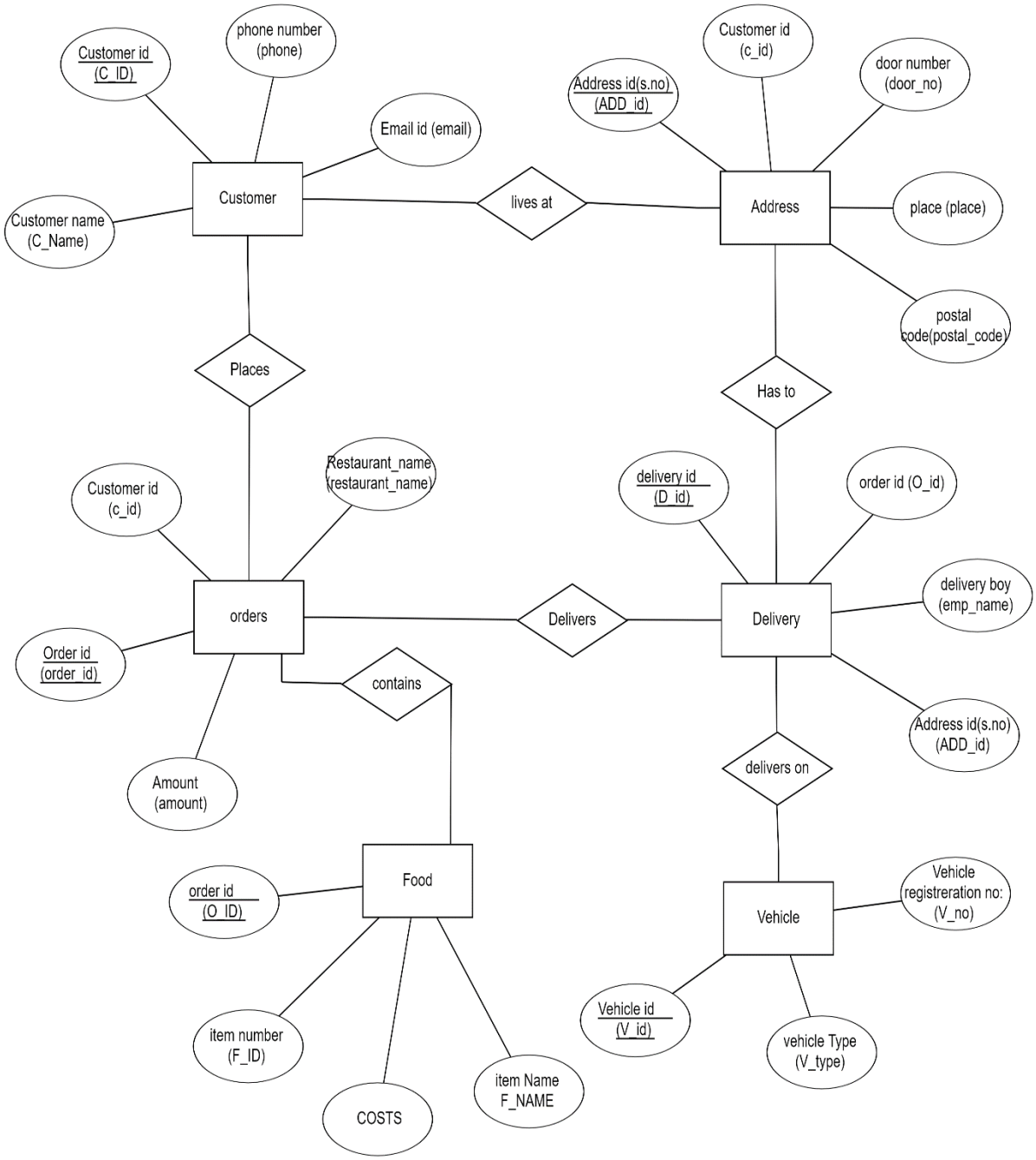
Address id(number) : add_id -number()

Vehicle id: v_id –number()

Vehicle type: v_type varchar()

Vehicle numer: v_no number()

ER DIAGRAM:


Customer id (C_ID)
phone number (phone)
Email id (email)
Customer
Customer name (C_Name)
lives at
Address id(s.no) (ADD_id)
Customer id (c_id)
door number (door_no)
Address
place (place)
postal code(postal_code)
Places
Has to
Customer id (c_id)
Restaurant_name (restaurant_name)
orders
Order id (order_id)
Amount (amount)
contains
Delivers
delivery id (D_id)
order id (O_id)
Delivery
delivery boy (emp_name)
Address id(s.no) (ADD_id)
delivers on
Food
order id (O_ID)
item number (F_ID)
COSTS
item Name F_NAME
Vehicle
Vehicle registreration no: (V_no)
Vehicle id (V_id)
vehicle Type (V_type)

DDL COMMANDS:

SQL> create table customer(c_name varchar(20),c_id number(20) primary key,phone number(10),email varchar(20));

Table created.

SQL> create table orders(o_id number(20) primary key,amount number(10),c_id number(20));

Table created.

SQL> alter table orders add foreign key (c_id) references customer;

Table altered.

SQL> alter table orders add(restaurant_name varchar(40));

Table altered.

SQL> create table food(o_id number(20),f_id number(20),costs number(10),f_name varchar(20),foreign key(o_id) references orders);

Table created.

SQL> alter table food add primary key(f_id);

Table altered.

SQL> create table address(c_id number(20),door_no number(10),place varchar(100),postal_code number(10),foreign key(c_id) references customer);

Table created.

SQL> alter table address add(add_id number(10));

Table altered.

SQL> alter table address add primary key(add_id);

Table altered.

SQL> create table delivery(o_id number(20),d_id number(20) primary key,add_id number(10),emp_name varchar(20),foreign key(add_id) references address);

Table created.

SQL> alter table delivery add foreign key(o_id) references orders;

Table altered.

SQL> create table vehicle(add_id number(10),v_id number(10) primary key,v_type varchar(10),v_no number(20),foreign key(add_id)references address);

Table created.

SQL> select * from tab;

TNAME TABTYPE CLUSTERID

------------------------------ ------- ----------

ADDRESS TABLE

CUSTOMER TABLE

DELIVERY TABLE

FOOD TABLE

ORDERS TABLE

VEHICLE TABLE

6 rows selected.

SQL> desc customer;

Name	Null?	Type
C_NAME		VARCHAR2(20)
C_ID	NOT NULL	NUMBER(20)
PHONE		NUMBER(10)
EMAIL		VARCHAR2(20)

SQL> desc address;

Name	Null?	Type
C_ID		NUMBER(20)
DOOR_NO		NUMBER(10)
PLACE		VARCHAR2(100)
POSTAL_CODE		NUMBER(10)
ADD_ID	NOT NULL	NUMBER(10)

SQL> desc orders;

Name	Null?	Type

O_ID NOT NULL NUMBER(20)

AMOUNT NUMBER(10)

C_ID NUMBER(20)

RESTAURANT_NAME VARCHAR2(40)

SQL> desc delivery;

Name Null? Type

--- -------- ----------------------------

O_ID NUMBER(20)

D_ID NOT NULL NUMBER(20)

ADD_ID NUMBER(10)

EMP_NAME VARCHAR2(20)

SQL> desc food;

Name Null? Type

--- -------- ----------------------------

O_ID NUMBER(20)

F_ID NOT NULL NUMBER(20)

COSTS NUMBER(10)

F_NAME VARCHAR2(20)

SQL> desc vehicle;

Name	Null?	Type
ADD_ID		NUMBER(10)
V_ID	NOT NULL	NUMBER(10)
V_TYPE		VARCHAR2(10)
V_NO		NUMBER(20)

DML COMMANDS:

SQL> insert into customer values('&c_name',&c_id,&phone,'&email');

Enter value for c_name: vivek

Enter value for c_id: 01

Enter value for phone: 6305314935

Enter value for email: vivek.basa@gmail.com

old 1: insert into customer values('&c_name',&c_id,&phone,'&email')

new 1: insert into customer values('vivek',01,6305314935,'vivek.basa@gmail.com')

1 row created.

SQL> /

Enter value for c_name: rohith

Enter value for c_id: 02

Enter value for phone: 7995702445

Enter value for email: sairohith@gmail.com

old 1: insert into customer values('&c_name',&c_id,&phone,'&email')

new 1: insert into customer values('rohith',02,7995702445,'sairohith@gmail.com')

1 row created.

SQL> /

SQL> insert into customer values('&c_name',&c_id,&phone,'&email');

Enter value for c_name: ram

Enter value for c_id: 3

Enter value for phone: 8977652535

Enter value for email: ram1234@gmail.com

old 1: insert into customer values('&c_name',&c_id,&phone,'&email')

new 1: insert into customer values('ram',3,8977652535,'ram1234@gmail.com')

1 row created.

SQL> select * from customer;

C_NAME C_ID PHONE EMAIL

---------- ---------- ---------- ----------

vivek 1 6305314935 vivek.basa@gmail.com

rohith 2 7995702445 sairohith@gmail.com

ram 3 8977652535 ram1234@gmail.com

SQL> insert into address values(&c_id,&door_no,'&place',&postal_code,&add_id);

Enter value for c_id: 01

Enter value for door_no: 8-3-72

Enter value for place: karmanghat,l.b.nagar

Enter value for postal_code: 500097

Enter value for add_id: 01

old 1: insert into address values(&c_id,&door_no,'&place',&postal_code,&add_id)

new 1: insert into address values(01,8-3-72,'karmanghat,l.b.nagar',500097,01)

1 row created.

SQL> /

Enter value for c_id: 2

Enter value for door_no: 7-6-123

Enter value for place: mehdipatnam, near pillar no: 19

Enter value for postal_code: 500079

Enter value for add_id: 2

old 1: insert into address values(&c_id,&door_no,'&place',&postal_code,&add_id)

new 1: insert into address values(2,7-6-123,'mehdipatnam, near pillar no: 19',500079,2)

1 row created.

SQL> /

Enter value for c_id: 3

Enter value for door_no: 7-9-5

Enter value for place: nallakunta

Enter value for postal_code: 500098

Enter value for add_id: 3

old 1: insert into address values(&c_id,&door_no,'&place',&postal_code,&add_id)

new 1: insert into address values(3,7-9-5,'nallakunta',500098,3)

1 row created.

SQL> select * from address;

C_ID	DOOR_NO

PLACE

--

POSTAL_CODE ADD_ID

---------- ----------

1 -67

karmanghat,l.b.nagar

500097 1

2 -122

mehdipatnam, near pillar no: 19

500079 2

C_ID DOOR_NO

---------- ----------

PLACE

--

POSTAL_CODE ADD_ID

---------- ----------

3 -7

nallakunta

500098 3

SQL> select * from address;

C_ID DOOR_NO

---------- ----------

PLACE

--

POSTAL_CODE ADD_ID

----------- ----------

1 -67

karmanghat,l.b.nagar

500097 1

2 -122

mehdipatnam, near pillar no: 19

500079 2

C_ID DOOR_NO

---------- ----------

PLACE

--

POSTAL_CODE ADD_ID

----------- ----------

3 -7

nallakunta

500098 3

```
SQL> insert into orders
values(&o_id,&amount,&c_id,'&restaurant_name');
Enter value for o_id: 1
Enter value for amount: 500
Enter value for c_id: 1
Enter value for restaurant_name: bawarchi
old   1: insert into orders
values(&o_id,&amount,&c_id,'&restaurant_name')
new   1: insert into orders values(1,500,1,'bawarchi')

1 row created.

SQL> /
Enter value for o_id: 2
Enter value for amount: 850
Enter value for c_id: 2
Enter value for restaurant_name: shah ghouse
old   1: insert into orders
values(&o_id,&amount,&c_id,'&restaurant_name')
new   1: insert into orders values(2,850,2,'shah ghouse')

1 row created.
```

SQL> /

Enter value for o_id: 3

Enter value for amount: 600

Enter value for c_id: 3

Enter value for restaurant_name: mehfil

old 1: insert into orders values(&o_id,&amount,&c_id,'&restaurant_name')

new 1: insert into orders values(3,600,3,'mehfil')

1 row created.

SQL> select * from orders;

O_ID	AMOUNT	C_ID	RESTAURANT_NAME
1	500	1	bawarchi
2	850	2	shah ghouse
3	600	3	mehfil

SQL> insert into food values(&o_id,&f_id,&costs,'&f_item');

Enter value for o_id: 1

Enter value for f_id: 3.4

Enter value for costs: 450

Enter value for f_item: biryani

old 1: insert into food values(&o_id,&f_id,&costs,'&f_item')

new 1: insert into food values(1,3.4,450,'biryani')

1 row created.

SQL> /

Enter value for o_id: 2

Enter value for f_id: 5.4

Enter value for costs: 60

Enter value for f_item: idli,dosa

old 1: insert into food values(&o_id,&f_id,&costs,'&f_item')

new 1: insert into food values(2,5.4,60,'idli,dosa')

1 row created.

SQL> /

Enter value for o_id: 3

Enter value for f_id: 1.6

Enter value for costs: 200

Enter value for f_item: french fries

old 1: insert into food values(&o_id,&f_id,&costs,'&f_item')

new 1: insert into food values(3,1.6,200,'french fries')

1 row created.

SQL> select * from food;

O_ID	F_ID	COSTS	F_NAME
1	3	450	biryani
2	5	60	idli,dosa
3	2	200	french fries

SQL> insert into delivery values(&o_id,&d_id,&add_id,'&emp_name');

Enter value for o_id: 1

Enter value for d_id: 1

Enter value for add_id: 1

Enter value for emp_name: sai

old 1: insert into delivery values(&o_id,&d_id,&add_id,'&emp_name')

new 1: insert into delivery values(1,1,1,'sai')

1 row created.

SQL> /

Enter value for o_id: 2

Enter value for d_id: 4

Enter value for add_id: 3

Enter value for emp_name: ram

old 1: insert into delivery values(&o_id,&d_id,&add_id,'&emp_name')

new 1: insert into delivery values(2,4,3,'ram')

1 row created.

SQL>/

Enter value for o_id: 3

Enter value for d_id: 3

Enter value for add_id: 3

Enter value for emp_name: dj

old 1: insert into delivery values(&o_id,&d_id,&add_id,'&emp_name')

new 1: insert into delivery values(3,3,3,'dj')

1 row created.

SQL> select * from delivery;

O_ID	D_ID	ADD_ID	EMP_NAME
1	1	1	sai
2	4	3	ram

3 3 3 dj

```
SQL>  insert into vehicle values(&add_id,&v_id,'&v_type',&v_no);
Enter value for add_id: 1
Enter value for v_id: 2
Enter value for v_type: hereo
Enter value for v_no: 5311
old   1:  insert into vehicle values(&add_id,&v_id,'&v_type',&v_no)
new   1:  insert into vehicle values(1,2,'hereo',5311)

1 row created.

SQL> /
Enter value for add_id: 2
Enter value for v_id: 1
Enter value for v_type: yamaha
Enter value for v_no: 0013
old   1:  insert into vehicle values(&add_id,&v_id,'&v_type',&v_no)
new   1:  insert into vehicle values(2,1,'yamaha',0013)

1 row created.

SQL> /
Enter value for add_id: 3
```

Enter value for v_id: 3

Enter value for v_type: fz

Enter value for v_no: 5463

old 1: insert into vehicle values(&add_id,&v_id,'&v_type',&v_no)

new 1: insert into vehicle values(3,3,'fz',5463)

1 row created.

SQL> select * from vehicle;

ADD_ID	V_ID	V_TYPE	V_NO
1	2	hereo	5311
2	1	yamaha	13
3	3	fz	5463