Database Project

Project Title:- **Computer Company management information system**

Team Members:-

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Project Description:-

Computer Company management information system used to convert paper documentation to computer documentation in a computers company that buy PCs , laptops , keyboards , scanners …

And this company have many suppliers and employees

Normalization

Initial Table

orderDate	CustomerID	Cust_Name	CustomerPhone	CustomerEmail	ItemID	ItemName	ItemPrice	It_Quantit	IT_Av_amo	It_Descriptio	SupplierID	Sup_Name	Sup_Addre	Sup_phone
11-Nov-14	5	mohamedAhn	1276399758	Mooo558@yahoo	3	LabTob	3000	1	5	DELL 4GiGa	1	Alshrouk	32 st Egyp	124115889
11-Nov-14	5	mohamedAhn	1276399758	Mooo558@yahoo	5	Mouse	80	3	8	Laser	5	alahram	40 st gov	124115896
11-Nov-14	5	mohamedAhn	1276399758	Mooo558@yahoo	4	keyboard	70	5	4	qwert	6	Alaml	45 st gam	122547785
11-Nov-14	5	mohamedAhn	1276399758	Mooo558@yahoo	6	Pc	2000	2	12	Hp 50GIGa r	1	Alshrouk	32 st Egyp	121145889
12-Nov-14	6	KamalAhmed	1227676864	KamalAh45@hotr	3	LabTob	3000	2	4	DELL 4GiGa	1	Alshrouk	32 st Egyp	121145889
12-Nov-14	6	KamalAhmed	1227676864	KamalAh45@hotr	8	Scanner	800	1	4	High Quality	6	Alaml	45 st gam	122547785
12-Nov-14	6	KamalAhmed	1227676864	KamalAh45@hotr	5	keyboard	70	5	4	qwert	6	Alaml	45 st gam	122547785
05-Jan-15	14	AhmedAli	1287477458	Ahmed84@yahoo	4	keyboard	70	5	3	qwert v2	6	alahram	40 st gov	124115896
08-Jan-15	19	aminamoham	126988758	Amina89@outloo	1	PowerSup	300	1	4	High Perforn	6	Alaml	45 st gam	122547785

Employee	emp_Name	Job_Date	emp_phone	Job_ID	Job_name	Job_salary	Bonus
2	Ahmed Km	01-Jan-11	1165448478	3	SalesMan	2500	100
2	Ahmed Km	02-Jan-11	1165448478	3	SalesMan	2500	100
2	Ahmed Km	03-Jan-11	1165448478	3	SalesMan	2500	100
2	Ahmed Km	04-Jan-11	1165448478	3	SalesMan	2500	100
4	Ali Sayed	5-Nov2011	1289655875	4	SalesMan	2000	50
4	Ali Sayed	5-Nov2011	1289655875	4	SalesMan	2000	50
4	Ali Sayed	5-Nov2011	1289655875	4	SalesMan	2000	50
2	Ahmed Km	03-Jan-11	1165448478	3	SalesMan	2500	100
4	Ali Sayed	5-Nov2011	1289655875	4	SalesMan	2000	50

Tables after 1NF:-

First Normal Form

orderID	orderDate	CustomerID	Cust_fname	Cust_lname	CustomerPhone	CustomerEmail	EmployeeI	emp_Fnar	emp_LNar	Job_Date	emp_phone	Job_ID	Job_name	Job_salary	Bonus
1	11-Nov-14	5	mohamed	Ahmed	1276399758	Mooo558@yaho	2	Ahmed	Kmal	01-Jan-11	1165448478	3	SalesMan	2500	100
2	12-Nov-14	6	Kamal	Ahmed	1227676864	KamalAh45@hot	4	Ali	Sayed	5-Nov2011	1289655875	4	SalesMan	2000	50
6	05-Jan-15	14	Ahmed	Ali	1287477458	Ahmed84@yaho	2	Ahmed	Kmal	03-Jan-11	1165448478	3	SalesMan	2500	100
7	08-Jan-15	19	amina	mohamed	126988758	Amina89@outlo	4	Ali	Sayed	5-Nov2011	1289655875	4	SalesMan	2000	50

orderID	ItemID	ItemName	ItemPrice	It_Quantity	IT_Av_amount	It_Description	SupplierID	Sup_Name	Sup_Addre	Sup_phone
1	3	LabTob	3000	1	5	DELL 4GiGa ram	1	Alshrouk	32 st Egyp	124115889
1	5	Mouse	80	3	8	Laser	5	alahram	40 st gov	124115896
1	4	keyboard	70	5	4	qwert	6	Alaml	45 st gam	122547785
1	6	Pc	2000	2	12	Hp 50GIGa ram	1	Alshrouk	32 st Egyp	121145889
2	3	LabTob	3000	2	4	DELL 4GiGa ram	1	Alshrouk	32 st Egyp	121145889
2	8	Scanner	800	1	4	High Quality Sca	6	Alaml	45 st gam	122547785
2	5	keyboard	70	5	4	qwert	6	Alaml	45 st gam	122547785
6	4	keyboard	70	5	3	qwert v2	6	alahram	40 st gov	124115896
7	1	PowerSupply	300	1	4	High Performanc	6	Alaml	45 st gam	122547785

Tables after 2NF:-

Second Normal Form

orderDate	CustomerID	EmployeeID
11-Nov-14	5	2
12-Nov-14	6	4
05-Jan-15	14	2
08-Jan-15	19	4

EmployeeID	emp_Fnar	emp_LNar	Job_Date	emp_phon	Job_ID	Job_name	Job_salary	Bonus
2	Ahmed	Kmal	01-Jan-11	11658478	3	SalesMan	2500	100
4	Ali	Sayed	5-Nov201	1.29E+09	4	SalesMan	2000	50

Cust_fname	Cust_lname	CustomerPho	CustomerEmail
mohamed	Ahmed	1276399758	Mooo558@yahoo.com
Kamal	Ahmed	1227676864	KamalAh45@hotmail.com
Ahmed	Ali	1287477458	Ahmed84@yahoo.com
amina	mohamed	126988758	Amina89@outlook.com

ItemID	ItemName	ItemPrice	It_Quantit	IT_Av_amo	It_Descripti	SupplierID	Sup_Name	Sup_Addr	Sup_phone
3	LabTob	3000	1	5	DELL 4GiGa	1	Alshrouk	32 st Egyp	1245889
5	Mouse	80	3	8	Laser	5	alahram	40 st gov	1245896
4	keyboard	70	5	4	qwert	6	Alaml	45 st gam	122547785
6	Pc	2000	2	12	Hp 50GIGa r	1	Alshrouk	32 st Egyp	1245889
3	LabTob	3000	2	4	DELL 4GiGa	1	Alshrouk	32 st Egyp	1245889
8	Scanner	800	1	4	High Quality	6	Alaml	45 st gam	122547785
5	keyboard	70	5	4	qwert	6	Alaml	45 st gam	122547785
4	keyboard	70	5	3	qwert v2	6	alahram	40 st gov	1245896
1	PowerSup	300	1	4	High Perfor	6	Alaml	45 st gam	122547785

ItemID	It_Quantity
3	1
5	3
4	5
6	2
3	2
8	1
5	5
4	5
1	1

Tables after 3NF:-

Third Normal Form

1 - Order

orderID	orderDate	CustomerID	EmployeeID
1	11-Nov-14	5	2
2	12-Nov-14	6	4
6	05-Jan-15	14	2
7	08-Jan-15	19	4

2 - Employee

Employee	emp_Fnar	emp_LNar	Job_Date	emp_phone	Job_ID
2	Ahmed	Kmal	01-Jan-11	11658478	3
4	Ali	Sayed	5-Nov2011	1.29E+09	4

3 - Customer

Customer	Cust_fname	Cust_lname	CustomerPho	cust_address	CustomerEmail
5	mohamed	Ahmed	1276399758	41 st elhoria nase	Mooo558@yahoo.com
6	Kamal	saed	1227676864	52 st gerant Alex	KamalAh45@hotmail.com
14	Ahmed	Ali	1287477458	10 st elbhr tanta	Ahmed84@yahoo.com
19	amina	mohamed	126988758	13 st moheb tanta	Amina89@outlook.com

4 - Job

Job_ID	Job_name	Job_salary	Bonus
3	SalesMan	2500	100
4	SalesMan	2000	50

5 - Selled_Item

orderID	ItemID	It_Quantity
1	3	1
1	5	3
1	4	5
1	6	2
2	3	2
2	8	1
2	5	5
6	4	5
7	1	1

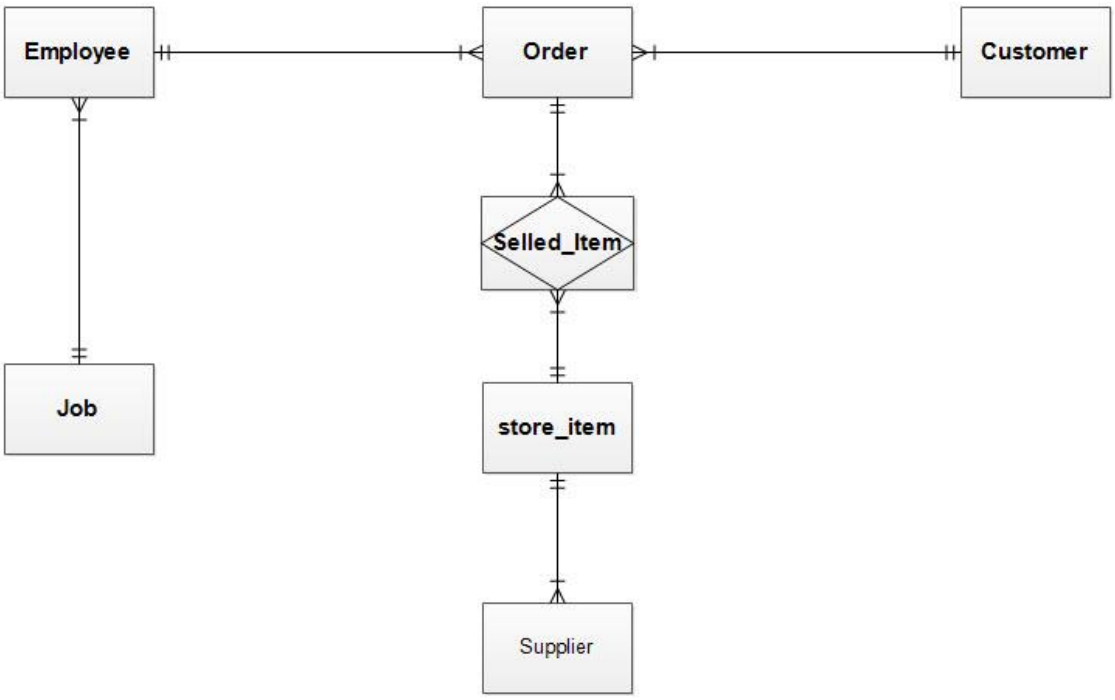
6 - store_item

ItemID	ItemName	ItemPrice	IT_Av_amor	It_Descripti	SupplierID
3	laptop	3000	5	DELL 4GiGa	1
5	Mouse	80	8	Laser	5
4	keyboard	70	4	qwert	6
6	Pc	2000	12	Hp 50GIGa r	1
8	Scanner	800	4	High Quality	6
1	PowerSup	300	4	High Perfor	6

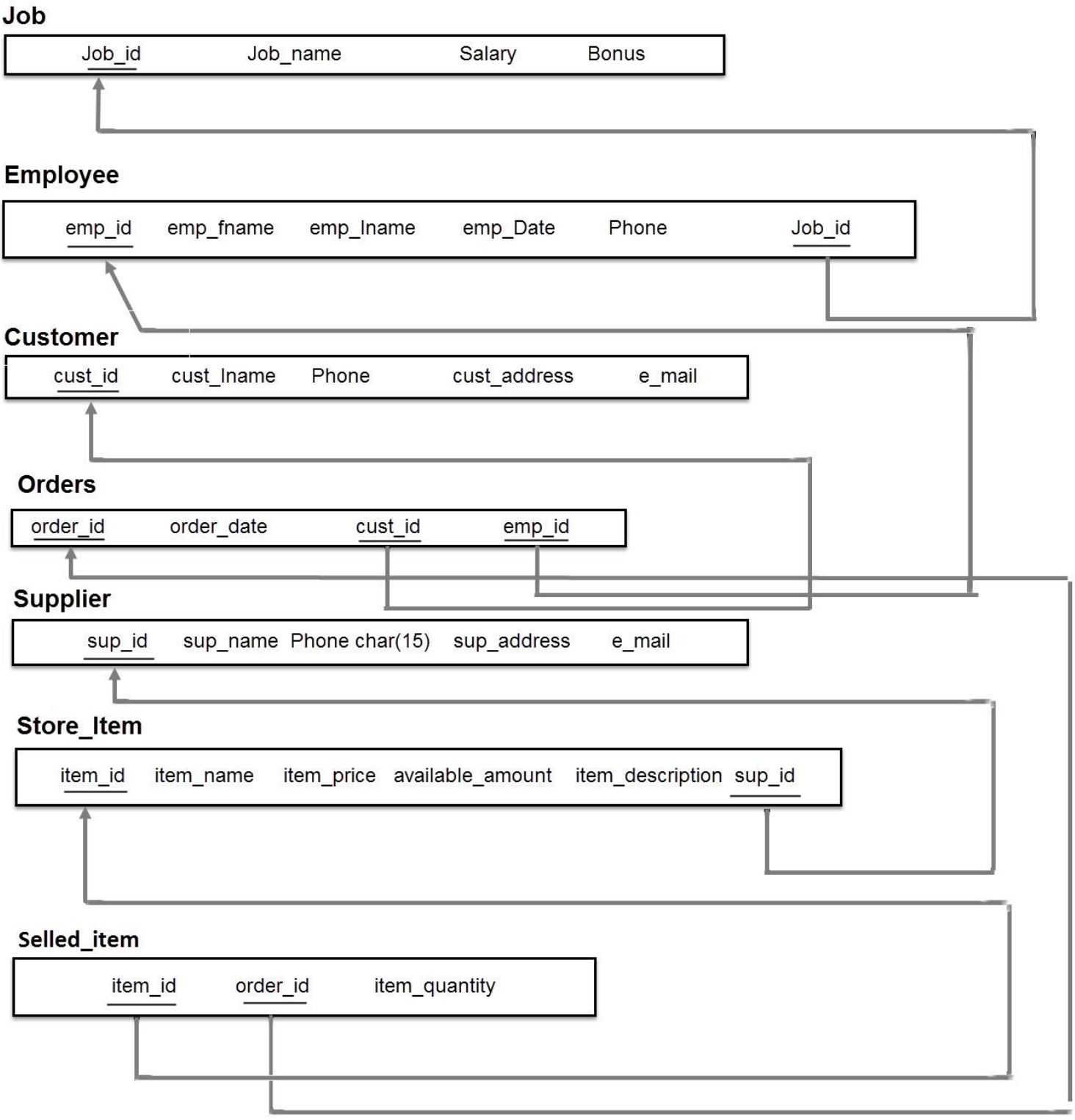
7 - Suppliers

SupplierID	Sup_Name	Sup_phon	Sup_Addre	e_mail
1	Alshrouk	1245889	32 st Egypt	alshoruk@yahoo.com
5	alahram	1245896	40 st gov	alahram@gmail.com
6	Alaml	1.2E+08	45 st gamal	alaml@outlook.com

Entity Relationship Diagram



Mapping


Job
Job_id Job_name Salary Bonus
Employee
emp_id emp_fname emp_lname emp_Date Phone Job_id
Customer
cust_id cust_lname Phone cust_address e_mail
Orders
order_id order_date cust_id emp_id
Supplier
sup_id sup_name Phone char(15) sup_address e_mail
Store_Item
item_id item_name item_price available_amount item_description sup_id
Selled_item
item_id order_id item_quantity

Create Commands for each table

/* ------ Job Table ------- */

```
Create table job(
Job_id number (6),
job_name   varchar2 (100) ,
salary number(5),
bouns number(6,3),
Constraint job_id_cons  primary key(job_id),
Constraint   salary_cons  check(salary>0),
constraint  bouns_cons  check(bouns >=0  ),
constraint  job_name_cons  check(job_name   is not null )
);
```

/* ------ employee Table ------- */

```
Create table employee(
Emp_id number(6),
Emp_fname   varchar2 (100) ,
Emp_lname   varchar2(100) ,
Emp_date  date ,
Phone char(15) ,
Job_id number(6) ,
Constraint  emp_id_cons  primary key(Emp_id),
```

```
constraint  job_id_fcons   foreign key(Job_id ) references job (job_id) ON DELETE SET
NULL,

constraint  emp_fname_cons  check(emp_fname   is not null ),

constraint emp_lname_cons  check(emp_lname   is not null ),

constraint emp_date_cons  check(emp_date  is not null ),

constraint  emp_phone_cons  check(phone is not null )

);
```

/* ------ Customers Table -------   */

```
Create table customer(

cust_id number(6)  ,

cust_fname   varchar2 (100) ,

cust_lname   varchar2(100)  ,

Phone char(15) ,

cust_address varchar2(100) ,

e_mail  varchar2(50) ,

Constraint  cust_id_cons  primary key(cust_id),

Constraint  e_mail_like_cons  check(e_mail like '___%@___%.__%' ),

Constraint  e_mail_un_cons  unique(e_mail  ),

constraint  cust_fname_cons  check(cust_fname   is not null ),

constraint cust_lname_cons  check(cust_lname   is not null ),

constraint  cust_phone_cons  check(phone is not null ),

constraint  cust_address_cons  check(cust_address is not null ));
```

/* ------ Orders Table ------- */

```
Create table orders(

order_id number(6) ,

order_date date ,

cust_id number(6) ,

emp_id number(6) ,

Constraint order_id_cons primary key(order_id),

constraint cust_id_fcons foreign key (cust_id) references customer(cust_id) ON
DELETE SET NULL,

constraint emp_id_fcons foreign key (emp_id) references employee (emp_id) ON
DELETE SET NULL,

constraint order_date_cons check(order_date is not null )


);
```

/* ------ supplier Table ------- */

```
Create table supplier(

sup_id number(6) ,

sup_name varchar2 (100) ,

Phone char(15) ,

sup_address varchar2(100),

e_mail varchar2(50) ,
```

```
constraint  sup_id_cons   primary key (sup_id),
Constraint  sup_mail_like_cons  check(e_mail like '___%@___%.__%' ),
Constraint  sup_mail_un_cons  unique(e_mail  ),
constraint  sup_name_cons  check(sup_name   is not null ),
constraint  sup_phone_cons  check(phone is not null ),
constraint  sup_address_cons  check(sup_address is not null )
);
```

/* ------ store_item Table ------- */

```
Create table store_item(
item_id number(6)  ,
item_name   varchar2 (100) ,
item_price number(6) ,
available_amount number(4) ,
item_description varchar2(300) ,
sup_id number(6) ,
constraint item_id_cons  primary key(item_id),
constraint  item_name_cons  check(item_name   is not null ),
constraint  item_price_cons  check(item_price   is not null ),
constraint available_amount_cons check (available_amount >= 0),

constraint sup_id_fcons foreign key (sup_id) references supplier(sup_id) ON DELETE SET
NULL);
```

/* ------ selled_item Table -------   */

```
Create table selled_item(

item_id number(6)  ,

order_id number(6)  ,

item_quantity number(4),

constraint com_prim primary key(item_id , order_id) ,

constraint order_prim foreign key (order_id) references orders(order_id) ON DELETE
SET NULL ,

constraint item_prim foreign key (item_id) references store_item(item_id) ON DELETE
SET NULL ,

constraint item_q_cons  check(item_quantity  is not null )

);
```

Insert Commands for each table

/* -------- job -------- */

```
insert into job values (3,'salesMan',2500,100);

insert into job values (4,'salesMan',2000,50);
```

/* -------- employee -------- */

```
insert into employee values(2,'ahmed','kamal','01-Jan-11',0116584788,3);

insert into employee values(4,'ali','sayed','5-Nov-11',0128584628,4);
```

/* -------- customer -------- */

```
insert into customer values(5,'mohamed','ahmed',01276399758,'41 st elhoria naser
sity','mohamed445@yahoo.com');

insert into customer values(6,'kamal','saed',01227676864,'52 st gerant
Alex','kamalah55@gmail.com');

insert into customer values(14,'ahmed','ali',01287477854,'10 st elbhr
tanta','ahmed84@hotmail.com');

insert into customer values(19,'amina','mohamed',0126988745,'13 st moheb
tanta','amina89@outlook.com');
```

/* -------- orders -------- */

```
insert into orders values (1,'11-Nov-14',5,2);

insert into orders values (2,'12-Nov-14',6,4);

insert into orders values (6,'5-Jan-15',14,2);

insert into orders values (7,'8-Jan-15',19,4);



/* -------- supplier -------- */


insert into supplier values (1,'Alshrouk',01284569875,'32 st Egypt
tanta','Alshrouk125@yahoo.com');

insert into supplier values (5,'alahram',01221478558,'40 st gov
shebin','alahram69@yahoo.com');

insert into supplier values (6,'alaml',01165969487,'45 st gamaleldin
elsadat','alaml55@gmail.com');


/* -------- store_item -------- */


insert into store_item values(3,'labtob',3000,5,'DELL 4GiGa ram 1 tera ',1);

insert into store_item values(5,'Mouse',80,8,'Laser',5);

insert into store_item values(4,'Keyboard',70,4,'qwert',6);

insert into store_item values(6,'pc',2000,12,'Hp 50GIGa ram',1);

insert into store_item values(8,'scanner',800,4,'High Quality',6);

insert into store_item values(1,'PowerSupplier',300,4,'High Performance',6);
```

/* -------- selled_item -------- */

insert into selled_item values (3,1,1);

insert into selled_item values (5,1,3);

insert into selled_item values (4,1,5);

insert into selled_item values (6,1,2);

insert into selled_item values (3,2,2);

insert into selled_item values (8,2,1);

insert into selled_item values (5,2,5);

insert into selled_item values (4,6,5);

insert into selled_item values (1,7,1);

Index commands (at least two)

1- **CREATE INDEX item_sup_ON store_item (sup_id);**
2- **CREATE INDEX emp_job_ON employee(job_id);**

View commands (at least three views)

1 –

```
create view orders_price

as

select se.order_id , st.item_price ,st.item_name , se.item_quantity ,

se.item_quantity *st.item_price    total_item_price

from selled_item se

natural join store_item st
```

2 –

```
 create   view  customer_order

As

Select  concat(concat(cu.cust_fname , '    ') , cu.cust_lname) cust_name,
concat(concat(em.emp_fname , '    ') , em.emp_lname) emp_name ,
orders_price .item_name ,

orders_price .item_price , orders_price .item_quantity ,
orders_price.total_item_price


from customer cu natural join employee em , orders_price ;
```

3 –

```
create view Item_Suppliers
as
select ITEM_NAME, SUP_NAME ,PHONE,SUP_ADDRESS
from store_item natural join supplier
```

4 –

```
create view History
as
select ORDER_DATE ,
 CUST_FNAME ||' '||CUST_LNAME as "Customer Name" ,
EMP_FNAME  ||' '||EMP_LNAME  as "Employee Name" ,
ITEM_NAME,ITEM_QUANTITY,ITEM_PRICE,
ITEM_PRICE*ITEM_QUANTITY TotalPrice

from orders,customer,employee,store_item,selled_item

where orders.CUST_ID = customer.CUST_ID and
        orders.EMP_ID = employee.EMP_ID and
        orders.ORDER_ID = selled_item.ORDER_ID and
        selled_item.ITEM_ID= store_item.ITEM_ID
order by ORDER_DATE
```

Procedures Commands (at least three procedures)

1 -

```
Create or replace procedure upsalary(id IN number, sal IN number)
Is
 neg EXCEPTION;
 lrg EXCEPTION;
 PRAGMA EXCEPTION_INIT(neg,-02290);
 PRAGMA EXCEPTION_INIT(lrg,-01438);
Begin
update job set salary=sal where job_id=id;
exception when neg then
DBMS_outPUT.PUT_LINE('you can not update salary to negative value');
when lrg then DBMS_outPUT.PUT_LINE('error it is very larg value');
End;
```

2-

```
create or replace procedure  delete  cust(id in customer.cust  id%type)
Is
Begin
Delete from customer
Where cust  id=id;
Exception
When no  data  found then
Dbms  output.put  line('customer not found');
When others then
Dbms  output.put  line('customer not found');
End;
```

3-

```
create or replace procedure income (
Odate in nvarchar2  )
--history .ORDER_DATE%type
is
x number(5);
d varchar2(3);
-- User Define Exeption
invaledDate EXCEPTION;
DateNotInDB EXCEPTION;
begin
  d := checkMydate(Odate);
  if (d ='NO') then  RAISE invaledDate;
end if;
select  sum(TOTALPRICE) into x
from history where ORDER_DATE=Odate ;
if x>0 then
dbms_output.put_line('The Income in '|| Odate || ' Is ' ||x);
else
 RAISE DateNotInDB ;
end if;
EXCEPTION
When no_data_found then
Dbms_output.put_line('No date fount');
when DateNotInDB then
dbms_output.put_line('There is no dataFount in '|| Odate );
when invaledDate then
dbms_output.put_line('You Must Enter A Valid Date ');
When others then
Dbms_output.put_line('Error');
```

Functions Commands (at least three functions)

1-

```
Create or replace function order_price(id IN orders_price.order_id%type)
    return number
    Is
    s number;
    Begin
    select sum(total_item_price) into s
    from orders_price
    where order_id=id;
    return s;
End;
```

2-

```
create or replace function emp_salary(id In employee.emp_id%type , name out
employee.emp_fname%type , jopname out jop.jop_name%type )

Return number

Is

Total_salary numer ;

Begin

Select concat(concat(em.emp_fname , '  ') , em.emp_lname) ,
(jo.salary+jo.bouns) , jo.jop_name into name , total_salary , jopname

From employee em natural join jop jo

Where emp_id=id;

Return total_salary;
```

Exception

When no_data_found then

Dbms_output.put_line('customer not found');

When others then

Dbms_output.put_line('customer not found');

3-

```
CREATE OR REPLACE
FUNCTION checkMydate(checkDate IN VARCHAR2)
    RETURN VARCHAR2
IS
    v_result VARCHAR2(3);
    v_date   DATE;
BEGIN
    v_date   := to_date(checkDate,'dd-mm-yy');
    V_RESULT := 'YES';
    RETURN V_RESULT;
EXCEPTION WHEN OTHERS THEN
    V_RESULT := 'NO';
    RETURN v_result;
END;
```

4- loggin Function

```
create or replace function FN (
p1 in users.USER_ID%type,
p2 in users.PASS%type
) return number
is
c1 users.USER_ID%type;
x number;
begin
select USER_ID into c1 from users
where PASS =p2;


if  c1=p1 then
return 1;
else
return 0;
end if;
```

Triggers Commands (at least three triggers)

1-

```
CREATE OR REPLACE TRIGGER display_salary_changes
BEFORE DELETE OR INSERT OR UPDATE ON jop
FOR EACH ROW
WHEN (new.jop_id > 0)
DECLARE
  sal_diff number;
BEGIN
  sal_diff := :NEW.salary  - :OLD.salary;
  dbms_output.put_line('Old salary: ' || :OLD.salary);
  dbms_output.put_line('New salary: ' || :NEW.salary);
  dbms_output.put_line('Salary difference: ' || sal_diff);
END;
```

--2 -Secure Triggers

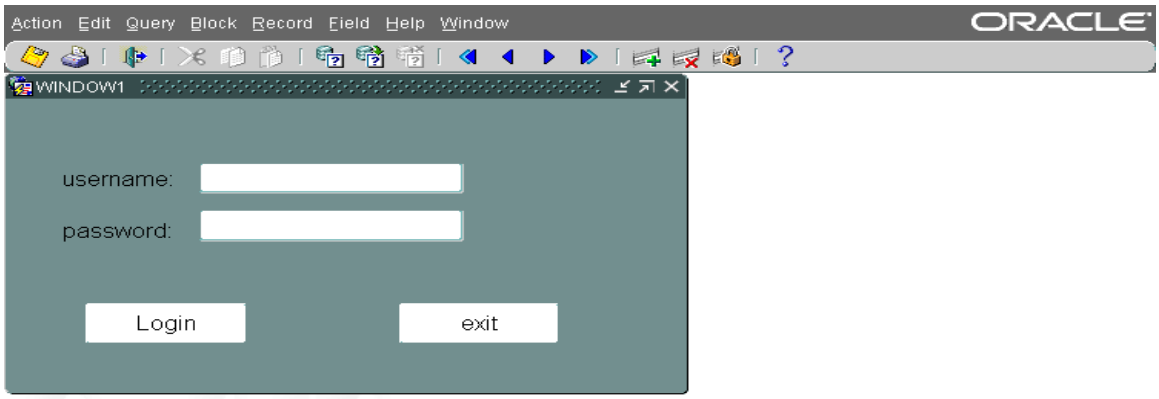
```
/* --- JOb --- */

CREATE OR REPLACE TRIGGER secure_job

BEFORE DELETE OR INSERT OR UPDATE ON job BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

  END IF;END;

/* --- employee--- */

CREATE OR REPLACE TRIGGER secure_employee

BEFORE DELETE OR INSERT OR UPDATE ON employee BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

END IF;END;

/* --- secure_customer ---- */

CREATE OR REPLACE TRIGGER secure_customer

BEFORE DELETE OR INSERT OR UPDATE ON customer BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

  END IF;END;

/* --- secure_orders---- */

CREATE OR REPLACE TRIGGER secure_orders

BEFORE DELETE OR INSERT OR UPDATE ON orders BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

  END IF;

END;
```

```
/* --- secure_supplier---- */

CREATE OR REPLACE TRIGGER secure_supplier

BEFORE DELETE OR INSERT OR UPDATE ON supplier BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

  END IF;

END;


/* --- secure_store_item---- */

CREATE OR REPLACE TRIGGER secure_store_item

BEFORE DELETE OR INSERT OR UPDATE ON store_item
BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

  END IF;

END;



/* --- secure_selled_item---- */

CREATE OR REPLACE TRIGGER secure_selled_item

BEFORE DELETE OR INSERT OR UPDATE ON selled_item
BEGIN

 IF (TO_CHAR(SYSDATE,'DY') IN ('FRI')) THEN

  RAISE_APPLICATION_ERROR(-20500, 'The System is Off in
Friday ');

  END IF;

END;
```

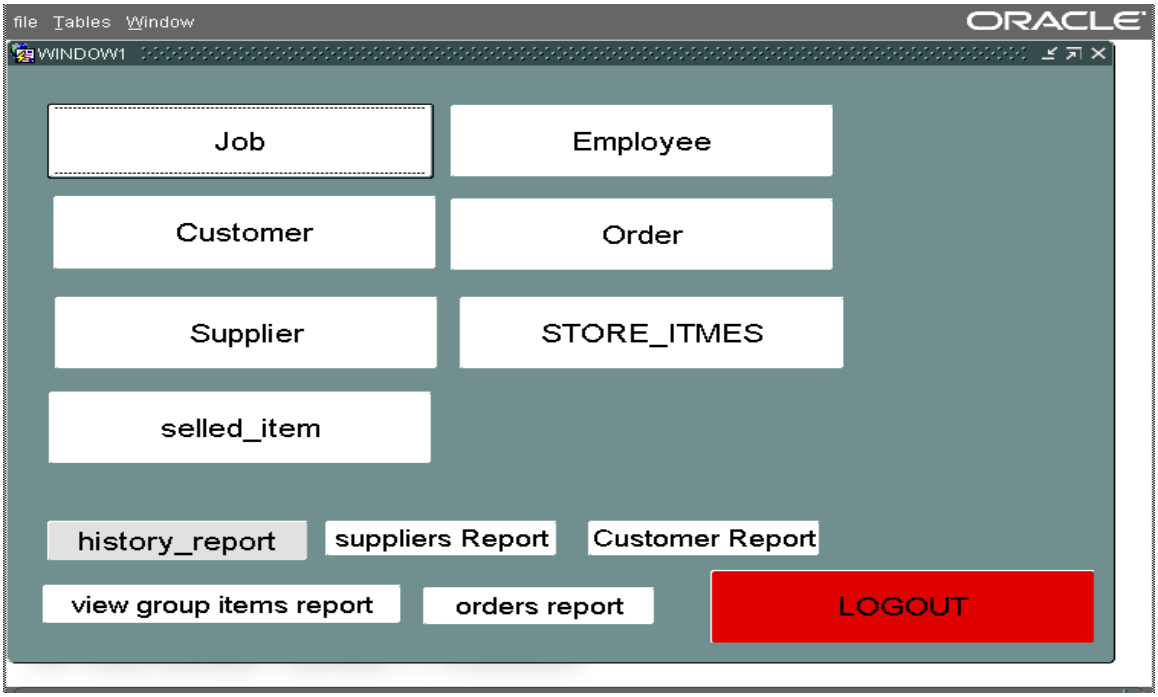
```
create trigger insertonjob after insert on job
 begin
 dbms_output.put_line('record added successfully');
 end;
```

Forms

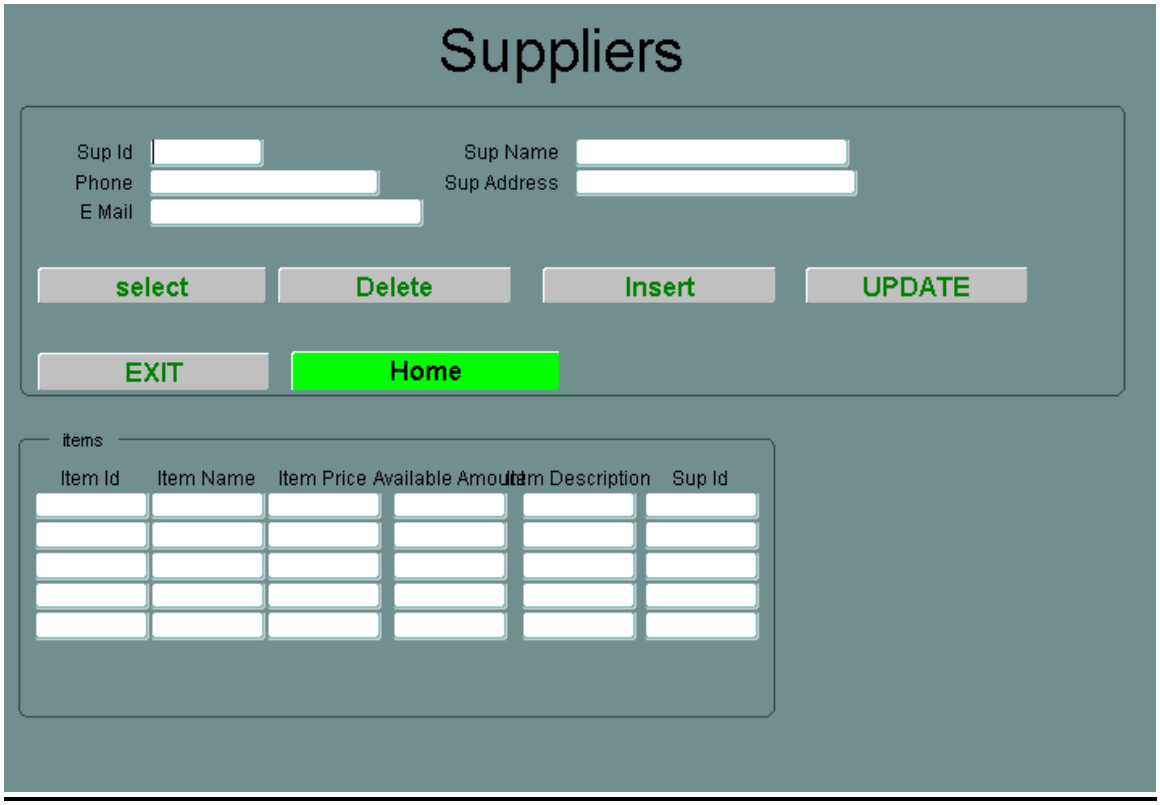
Login form :



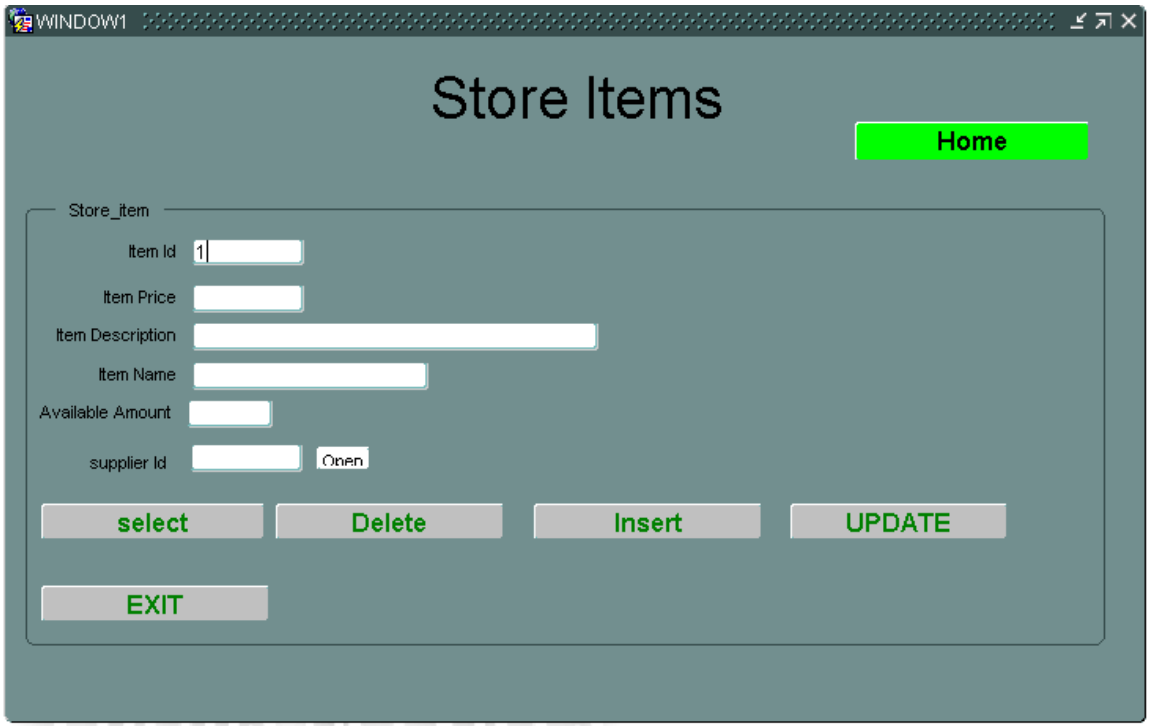
Home Form :



Form 1:


Suppliers
Sup Id
Sup Name
Phone
Sup Address
E Mail
select
Delete
Insert
UPDATE
EXIT
Home
items
Item Id
Item Name
Item Price
Available Amount
Item Description
Sup Id

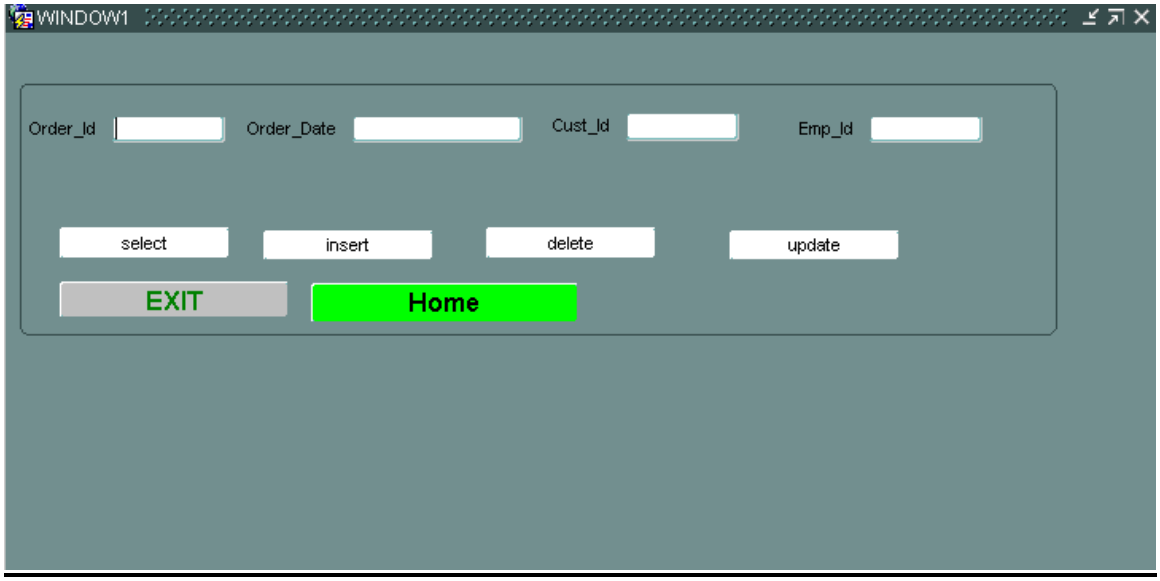
Form 2:


WINDOW1
Store Items
Home
Store_item
Item Id
1
Item Price
Item Description
Item Name
Available Amount
supplier Id
Open
select
Delete
Insert
UPDATE
EXIT

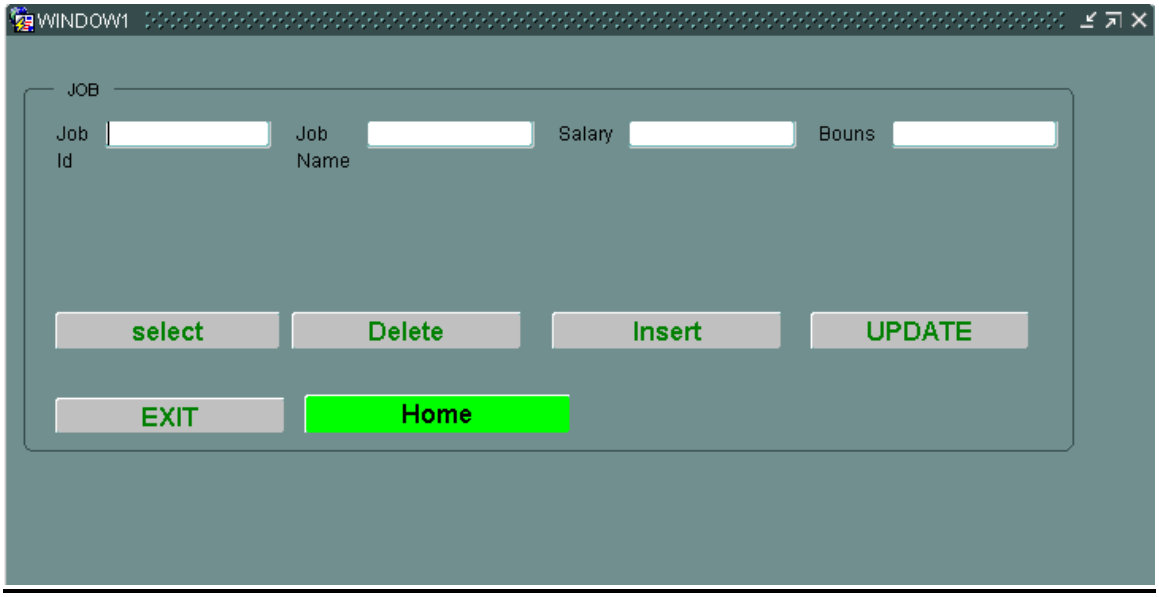
Form 3:

WINDOW1
selled item
Item Id
Order Id
Item Quantity
Insert
update
select
delete
Home

Form 4:


WINDOW1
Order_Id
Order_Date
Cust_Id
Emp_Id
select
insert
delete
update
EXIT
Home

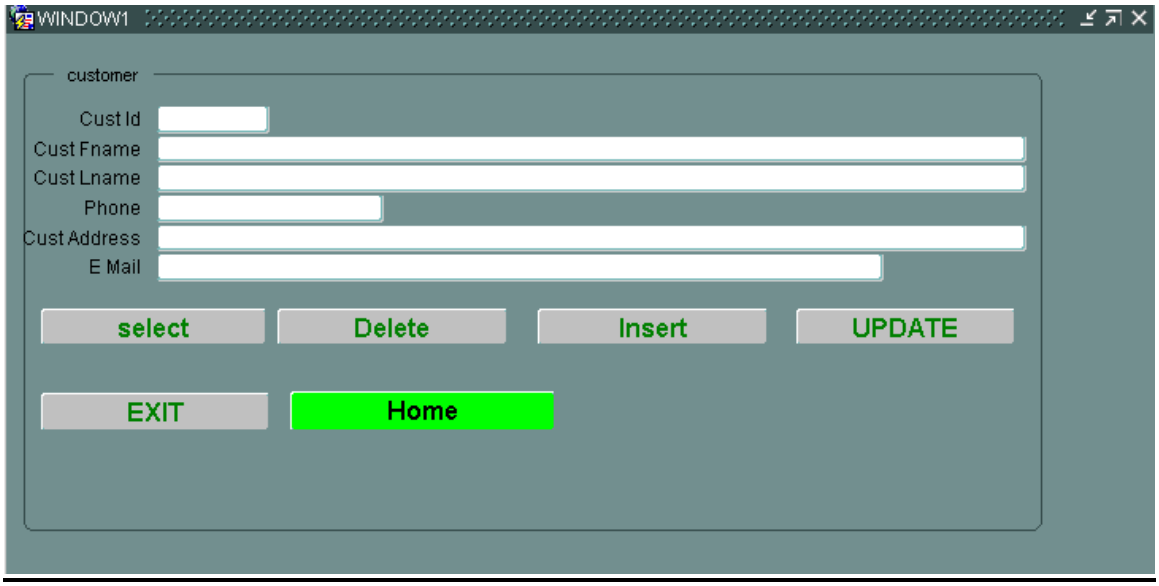
Form 5:


WINDOW1
JOB
Job Id
Job Name
Salary
Bouns
select
Delete
Insert
UPDATE
EXIT
Home

Form 6:

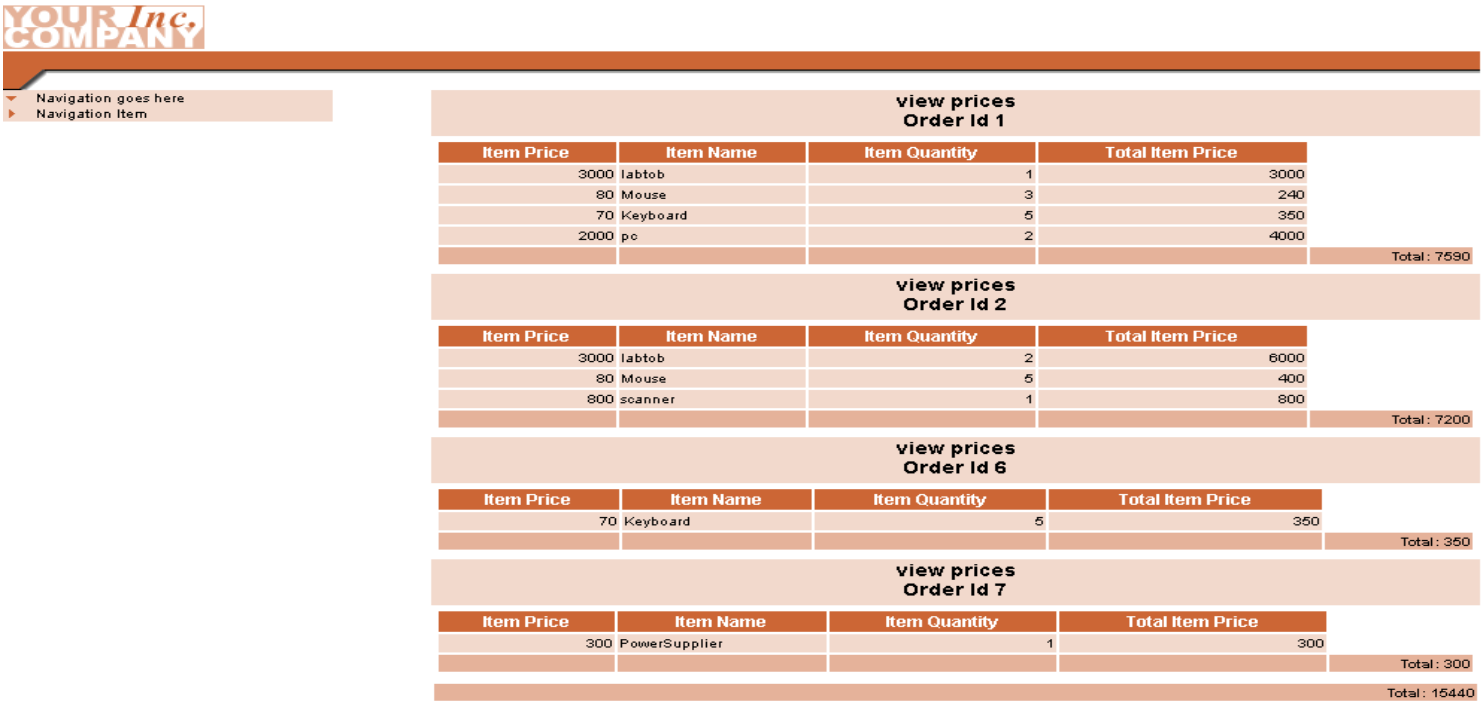
WINDOW1
Emp Id
Emp Fname
Emp Lname
Emp Date
Emp Phone
Jop Id
select
insert
delete
update
EXIT
Home

Form 7 :

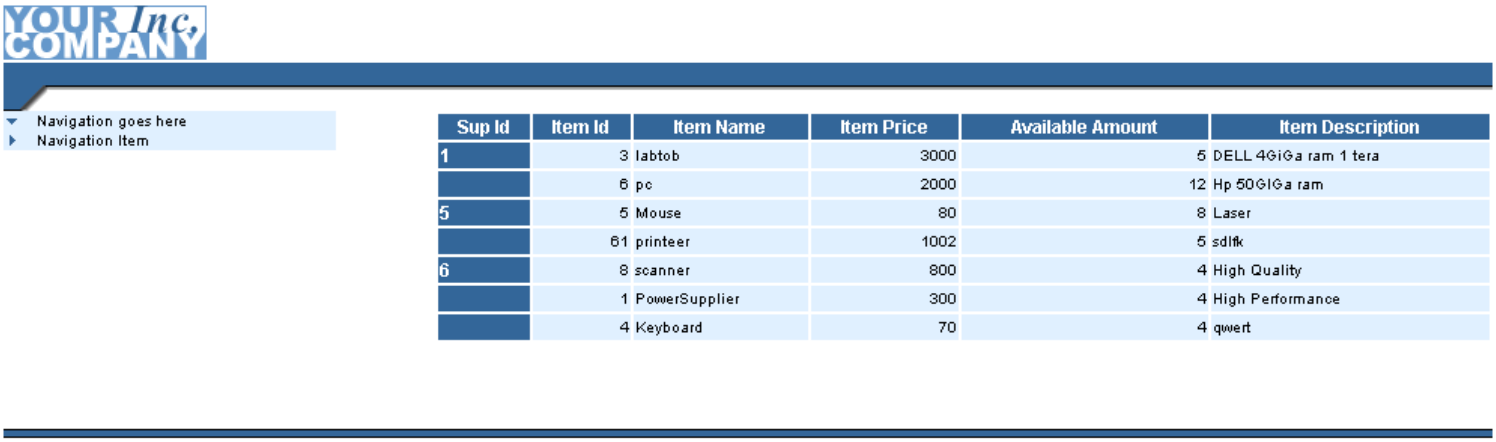

WINDOW1
customer
Cust Id
Cust Fname
Cust Lname
Phone
Cust Address
E Mail
select
Delete
Insert
UPDATE
EXIT
Home

Reports

Report 1:



Report 2:



Report 3 :

customers

Cust Id	Cust Fname	Cust Lname	Phone	Cust Address	E Mail
5	mohamedddc	ahmed	1276399758	41 st elhoria naser sity	mohamed445@yahoo.com
6	kamal	saed	1227676864	52 st gerant Alex	kamalah55@gmail.com
14	ahmed	ali	1287477854	10 st elbhr tanta	ahmed84@hotmail.com
19	amina	mohamed	126988745	13 st moheb tanta	amina89@outlook.com
45	kamal	ali	012765884	32 stsdf	msdo@mosd.com
65	kham	kkjh	012554445	32 st sdfdf	email@masd.com

Report 4 :

Order Date	Customer Name	Employee Name	Item Name	Item Quantity	Item Price	Totalprice
11-NOV-14	mohamedddc ahmed	ahmed kamal	labtob	1	3000	3000
11-NOV-14	mohamedddc ahmed	ahmed kamal	Mouse	3	80	240
11-NOV-14	mohamedddc ahmed	ahmed kamal	Keyboard	5	70	350
11-NOV-14	mohamedddc ahmed	ahmed kamal	pc	2	2000	4000
12-NOV-14	kamal saed	ali sayed	labtob	2	3000	6000
12-NOV-14	kamal saed	ali sayed	Mouse	5	80	400
12-NOV-14	kamal saed	ali sayed	scanner	1	800	800
05-JAN-15	ahmed ali	ahmed kamal	Keyboard	5	70	350
08-JAN-15	amina mohamed	ali sayed	PowerSupplier	1	300	300
						Total: 15440

Report 5 :

orders

Order Id	Order Date	Cust Id	Emp Id
69	12-NOV-14	5	4
1	11-NOV-14	5	2
2	12-NOV-14	6	4
6	05-JAN-15	14	2
7	08-JAN-15	19	4