

Database project for booking, buying and managing tickets

By: Ali Borazjani

Including Comments, Tables, Queries, Images, and Diagrams of relations between tables.

Tblcustomer Table:

This table is for displaying customer details.

Tblhesab Table:

This table is for displaying customer accounts; In fact, in this table, it can be seen which customers are part of the special (VIP) users of website. this table is related to the customer table.

Tblsell Table:

This table is for displaying ticket sales' details; In fact, in this table, you can see which customers bought which tickets; This table is related to the customer table and the ticket table.

Tblticket Table:

This table is for displaying ticket details; Which is related to the halls table and the chairs table.

Tblsalon Table:

This table is for displaying the halls details.

Tblchair table:

This table is for displaying the details of chairs, which is related to the halls table.

ID	code_salon	name_salon	count_col	count_full	count_empty
1	1	سالن تئاتر	500	350	150
2	2	استادپور ورزشی	80000	60000	20000
3	3	موزه علمی	200	90	110
4	4	موزه هنری	10000	8000	2000
5	5	مرکز نمایشگاه پارک‌گردی	2000	1900	500
7	6	مرکز تفریحی	60000	350000	25000
*	NULL	NULL	NULL	NULL	NULL

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
code_customer	nvarchar(20)	<input checked="" type="checkbox"/>
code_biket	int	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

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MAJID-PC.TicketDBs - dbo.TblSell

ID	code_customer	code_ticket
1	9806240001	100000001
2	9806240001	100000002
3	9806240001	100000003
4	9806240002	100000004
5	9806240002	100000005
6	9806240003	100000006
7	9806240004	100000007
8	9806240004	100000008
*	NULL	NULL

1 of 8 Cell is Read Only.

MAJID-PC.TicketDBs - dbo.TblTicket

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
code_ticket	int	<input type="checkbox"/>
code_saloon	int	<input checked="" type="checkbox"/>
code_chair	int	<input checked="" type="checkbox"/>
name_ticket	nvarchar(100)	<input checked="" type="checkbox"/>
price_ticket	bigint	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name) ID

Allow Nulls No

Data Type int

Default Value or Binding

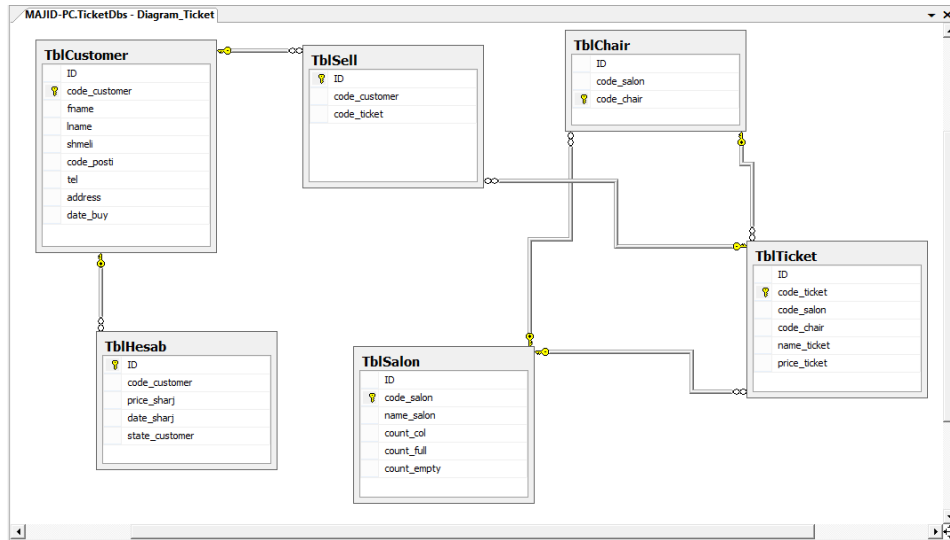
Table Designer

(General)

MAJID-PC.TicketDBs - dbo.TblTicket

ID	code_ticket	code_saloon	code_chair	name_ticket	price_ticket
1	100000001	1	10001	بلیط تئاتر عاشورا	150000
2	100000002	6	60001	بلیط ماشین مسابقه ای	80000
3	100000003	2	20001	بلیط مسابقه والیبال	120000
4	100000004	1	10003	بلیط تئاتر عاشورا	150000
5	100000005	2	20003	بلیط مسابقه والیبال	120000
6	100000006	3	30002	بلیط فوزه علمی	100000
7	100000007	3	30005	بلیط فوزه علمی	100000
10	100000008	6	60002	بلیط ماشین مسابقه ای	80000
*	NULL	NULL	NULL	NULL	NULL

1 of 8 Cell is Read Only.



MAJID-PC.TicketDBs - dbo.TblChair

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
code_salon	int	<input checked="" type="checkbox"/>
code_chair	int	<input type="checkbox"/>

Column Properties

(General)	
(Name)	ID
Allow Nulls	No
Data Type	int
Default Value or Binding	

Table Designer

Collation: <database.default>

(General)

MAJID-PC.TicketDBs - dbo.TblChair

ID	code_salon	code_chair
1	1	10001
10	1	10002
11	1	10003
12	1	10004
13	2	20001
14	2	20002
15	2	20003
16	2	20004
17	2	20005
18	3	30001
19	3	30002
20	3	30003
21	3	30004
22	3	30005
23	4	40001
24	4	40002
25	4	40003
26	4	40004
27	4	40005
28	5	50001
29	5	50002
30	5	50003
31	5	50004
32	5	50005
33	6	60001

1 of 27 | Cell is Read Only.

MAJID-PC.TicketD... dbo.TblCustomer

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
code_customer	nvarchar(20)	<input type="checkbox"/>
fname	nvarchar(50)	<input checked="" type="checkbox"/>
lname	nvarchar(50)	<input checked="" type="checkbox"/>
shnell	nvarchar(10)	<input checked="" type="checkbox"/>
code_posti	nvarchar(10)	<input checked="" type="checkbox"/>
tel	nvarchar(20)	<input checked="" type="checkbox"/>
address	nvarchar(100)	<input checked="" type="checkbox"/>
date_buy	nvarchar(10)	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name) ID

Allow Nulls No

Data Type int

Default Value or Binding

Table Designer

Collation <collationname.default>

(General)

MAJID-PC.TicketD... dbo.TblCustomer

ID	code_customer	fname	lname	shnell	code_posti	tel	address	date_buy
1	9806240001	شهابیون	رحیمی	5232012025	4102302352	09103550241	تهران	1398/06/24
2	9806240002	فرهاد	خدایی	9464214212	1023025120	09308853625	تهران	1398/06/24
3	9806240003	رضا	محمدی	6460321562	8970132123	09124882541	تهران	1398/06/24
4	9806240004	زهره	اکبری	7894601212	1004458320	09193551478	تهران	1398/06/24
5	9806240005	مرتضی	رسولانی	4654064489	8045402120	09103557514	تهران	1398/06/24
6	9806240006	محمدرضا	مظفری	8203645642	9090020122	09015660320	تهران	1398/06/24
7	9806240007	علی	سلطانی	4606586532	4141230252	09197056220	تهران	1398/06/24
8	9806240008	اکرم	جفایی	7889712023	9520564522	09193841023	تهران	1398/06/24
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

1 of 8 | Cell is Read Only.

MAJID-PC.TicketDbs - dbo.TblHesab

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
code_customer	nvarchar(20)	<input checked="" type="checkbox"/>
price_sharj	bigint	<input checked="" type="checkbox"/>
date_sharj	nvarchar(10)	<input checked="" type="checkbox"/>
state_customer	bit	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name) ID

Allow Nulls No

Data Type int

Default Value or Binding

Table Designer

Collation <collationname.default>

(General)

MAJID-PC.TicketDbs - dbo.TblHesab

ID	code_customer	price_sharj	date_sharj	state_customer
1	9806240001	450000	1398/01/01	True
2	9806240002	450000	1398/01/01	True
3	9806240003	450000	1398/01/01	True
4	9806240004	450000	1398/01/01	True
5	9806240005	450000	1398/01/01	True
6	9806240006	450000	1398/01/01	True
7	9806240008	450000	1398/01/01	True
*	NULL	NULL	NULL	NULL

1 of 7 | Cell is Read Only.

MAJID-PC.TicketDbs - dbo.TblSalon

Column Name	Data Type	Allow Nulls
ID	int	<input type="checkbox"/>
code_salon	int	<input type="checkbox"/>
name_salon	nvarchar(100)	<input checked="" type="checkbox"/>
count_col	int	<input checked="" type="checkbox"/>
count_full	int	<input checked="" type="checkbox"/>
count_empty	int	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name)	ID
Allow Nulls	No
Data Type	int

Default Value or Binding

Table Designer

(General)

Collation: <database.default>

Queries:

Query1 --> Displaying list of customers' account

Query2 --> Displaying list of ticket sales

Query3 --> List of science museum tickets

Query4 --> List of customers who have purchased seats with numbers 10000 to 30000

Query5 --> The sum of all the tickets purchased by each customer

Query6 --> The total number of tickets that each customer has bought on the desired date (1398/06/01 to 1398/07/01)

```
CreateTable_Custo...cketDbs (sa (52))
CREATE TABLE [dbo].[TblCustomer](
    [ID] [int] IDENTITY(1,1) NOT NULL,
    [code_customer] [nvarchar](20) NOT NULL,
    [fname] [nvarchar](50) NULL,
    [lname] [nvarchar](50) NULL,
    [shmeli] [nvarchar](10) NULL,
    [code_posti] [nvarchar](10) NULL,
    [tel] [nvarchar](20) NULL,
    [address] [nvarchar](100) NULL,
    [date_buy] [nvarchar](10) NULL,
    CONSTRAINT [PK_TblCustomer] PRIMARY KEY CLUSTERED
    (
        [code_customer] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
    ) ON [PRIMARY]
GO
```

```
CreateTable_Salon...icketDbs (sa (52))
CREATE TABLE [dbo].[TblSalon](
    [ID] [int] IDENTITY(1,1) NOT NULL,
    [code_salon] [int] NOT NULL,
    [name_salon] [nvarchar](100) NULL,
    [count_col] [int] NULL,
    [count_full] [int] NULL,
    [count_empty] [int] NULL,
    CONSTRAINT [PK_TblSalon] PRIMARY KEY CLUSTERED
    (
        [code_salon] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
    ) ON [PRIMARY]
GO
```

CreateTable_Ticket...icketDbs (sa (52))

```
CREATE TABLE [dbo].[TblTicket](
    [ID] [int] IDENTITY(1,1) NOT NULL,
    [code_ticket] [int] NOT NULL,
    [code_salon] [int] NULL,
    [code_chair] [int] NULL,
    [name_ticket] [nvarchar](100) NULL,
    [price_ticket] [bigint] NULL,
    CONSTRAINT [PK_TblTicket] PRIMARY KEY CLUSTERED
(
    [code_ticket] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
) ON [PRIMARY]
GO
```

DeleteTblHesab.sql...icketDbs (sa (53))

```
Delete From TblHesab
where code_customer='9806240008'
```

Messages

(1 row(s) affected)

Query executed successfully. | (local) (10.50 RTM) | sa (53) | TicketDbs | 00:00:00 | 0 rows

InsertTblTicket.sql...TicketDBs (sa (53))

```
Insert Into TblTicket
Values ('100000009',5,50001,N'نمایش اکامپ',100000)
```

Messages

(1 row(s) affected)

Query executed successfully. (local) (10.50 RTM) sa (53) TicketDBs 00:00:00 0 rows

Query1.sql - (local).TicketDBs (sa (56))

```
SELECT TblCustomer.code_customer,TblCustomer.fname,TblCustomer.lname,TblHesab.price_sharj,TblHesab.date_sharj,
TblHesab.state_customer
FROM TblCustomer INNER JOIN
TblHesab ON TblCustomer.code_customer = TblHesab.code_customer
/*نمایش لیست حساب های مشتری*/
```

Results Messages

	code_customer	fname	lname	price_sharj	date_sharj	state_customer
1	9806240001	همایون	رجبی	450000	1398/01/01	1
2	9806240002	فرهاد	خدایی	450000	1398/01/01	1
3	9806240003	رضا	محمدی	450000	1398/01/01	1
4	9806240004	زهره	اکبری	450000	1398/01/01	1
5	9806240005	مرتضی	رسولی	450000	1398/01/01	1
6	9806240006	محمدرضا	مرادی	450000	1398/01/01	1
7	9806240007	علی	سلطانی	450000	1398/01/01	1
8	9806240008	اکرم	جمالی	450000	1398/01/01	1

Query executed successfully. (local) (10.50 RTM) sa (56) TicketDBs 00:00:00 8 rows

Query2.sql - (local).TicketDBs (sa (56))

```

SELECT TblCustomer.code_customer, TblCustomer.fname, TblCustomer.lname, TblSalon.name_salon, TblTicket.code_ticket,
TblTicket.code_chair, TblTicket.name_ticket, TblTicket.price_ticket
FROM TblTicket INNER JOIN
TblSalon ON TblTicket.code_salon = TblSalon.code_salon INNER JOIN
TblSell ON TblTicket.code_ticket = TblSell.code_ticket INNER JOIN
TblCustomer ON TblSell.code_customer = TblCustomer.code_customer
/*نمایش لیست فروش های بلیط*/

```

Results Messages

	code_customer	fname	lname	name_salon	code_ticket	code_chair	name_ticket	price_ticket
1	9806240001	همایون	رجبی	ساان تئاتر	100000001	10001	بلیط تئاتر عاشورا	150000
2	9806240001	همایون	رجبی	مرکز تفریحی	100000002	60001	بلیط ماشین مسابقه ای	80000
3	9806240001	همایون	رجبی	استادیوم ورزشی	100000003	20001	بلیط مسابقه والیبال	120000
4	9806240002	فرهاد	خدایی	ساان تئاتر	100000004	10003	بلیط تئاتر عاشورا	150000
5	9806240002	فرهاد	خدایی	استادیوم ورزشی	100000005	20003	بلیط مسابقه والیبال	120000
6	9806240003	رضا	محمدی	موزه علمی	100000006	30002	بلیط موزه علمی	100000
7	9806240004	زهره	اکبری	موزه علمی	100000007	30005	بلیط موزه علمی	100000
8	9806240004	زهره	اکبری	مرکز تفریحی	100000008	60002	بلیط ماشین مسابقه ای	80000

Query executed successfully. (local) (10.50 RTM) sa (56) TicketDBs 00:00:00 8 rows

Query3.sql - (local).TicketDBs (sa (56))

```

select * From TblTicket
where code_salon=3
/*لیست بلیط های موزه علمی*/

```

Results Messages

	ID	code_ticket	code_salon	code_chair	name_ticket	price_ticket
1	6	100000006	3	30002	بلیط موزه علمی	100000
2	7	100000007	3	30005	بلیط موزه علمی	100000

Query executed successfully. (local) (10.50 RTM) sa (56) TicketDBs 00:00:00 2 rows

Query4.sql - (local).TicketDbs (sa (57))

```

SELECT TblCustomer.code_customer, TblCustomer.fname, TblCustomer.lname, TblTicket.code_ticket, TblTicket.name_ticket,
TblTicket.price_ticket, TblTicket.code_chair
FROM TblCustomer INNER JOIN
TblSell ON TblCustomer.code_customer = TblSell.code_customer INNER JOIN
TblTicket ON TblSell.code_ticket = TblTicket.code_ticket INNER JOIN
TblChair ON TblTicket.code_chair = TblChair.code_chair
where TblChair.code_chair between '10000' and '30000'
/*لیست مشتریانی که صندلی های 10000 تا 30000 را خریداری کرده اند*/

```

Results Messages

	code_customer	fname	lname	code_ticket	name_ticket	price_ticket	code_chair
1	9806240001	همایون	رجبی	100000001	بلیط نشان خاشورا	150000	10001
2	9806240001	همایون	رجبی	100000003	بلیط مسابقه والیبال	120000	20001
3	9806240002	فرهاد	خدایی	100000004	بلیط نشان خاشورا	150000	10003
4	9806240002	فرهاد	خدایی	100000005	بلیط مسابقه والیبال	120000	20003

Query executed successfully. (local) (10.50 RTM) sa (57) TicketDbs 00:00:00 4 rows

Query5.sql - (local).TicketDbs (sa (52))

```

SELECT TblCustomer.code_customer, TblCustomer.fname, TblCustomer.lname, SUM(TblTicket.price_ticket) As SumPrice
FROM TblCustomer INNER JOIN
TblSell ON TblCustomer.code_customer = TblSell.code_customer INNER JOIN
TblTicket ON TblSell.code_ticket = TblTicket.code_ticket
group By TblCustomer.code_customer, TblCustomer.fname, TblCustomer.lname
/*جمع کل بلیط هایی که هر مشتری خریده است*/

```

Results Messages

	code_customer	fname	lname	SumPrice
1	9806240001	همایون	رجبی	350000
2	9806240002	فرهاد	خدایی	270000
3	9806240003	رضا	محمدی	100000
4	9806240004	زهره	اکبری	180000

Query executed successfully. (local) (10.50 RTM) sa (52) TicketDbs 00:00:00 4 rows

Query6.sql - (local).TicketDb (sa (52))

```
SELECT TblCustomer.code_customer, TblCustomer.fname, TblCustomer.lname, SUM(TblTicket.price_ticket) As SumPrice
FROM TblCustomer INNER JOIN
TblSell ON TblCustomer.code_customer = TblSell.code_customer INNER JOIN
TblTicket ON TblSell.code_ticket = TblTicket.code_ticket
where TblCustomer.date_buy between '1398/06/01' and '1398/07/01'
group By TblCustomer.code_customer, TblCustomer.fname, TblCustomer.lname
/*جمع کل بلیط هایی که هر مشتری در تاریخ مورد نظر خریده است*/
```

Results Messages

	code_customer	fname	lname	SumPrice
1	9806240001	همایون	رجبی	350000
2	9806240002	فرهاد	خدایی	270000
3	9806240003	رضا	محمدی	100000
4	9806240004	زهره	اکبری	180000

Query executed successfully. (local) (10.50 RTM) sa (52) TicketDb 00:00:00 4 rows

UpdateTblCustomer...cketDb (sa (52))

```
Update TblCustomer set
tel='09124965214', lname=N'مرادی'
where code_customer='9806240006'
```

Messages

(1 row(s) affected)

Query executed successfully. (local) (10.50 RTM) sa (52) TicketDb 00:00:00 0 rows