Ticket Selling Company

Description:

A ticket selling company where users can make an account and order tickets for various events.

The system consists of customers who have name, SSN, address, phone number, and birth date.

Customers may buy tickets which have Ticket-ID, price, seat number, assignment cost-ID.

Customers would receive their tickets from a branch; branches have branch-ID, phone, location, opening hours.

Customers would choose a payment method when buying a ticket.

Customers may receive a promo code; promo codes have promo-ID, promo number and percentage.

Tickets must belong to an event which has event-ID and time.

Events could be a match, cinema, concert or theater.

Matches have teams and sport name, a cinema has movie name, a concert has a performer name and the theater has play name.

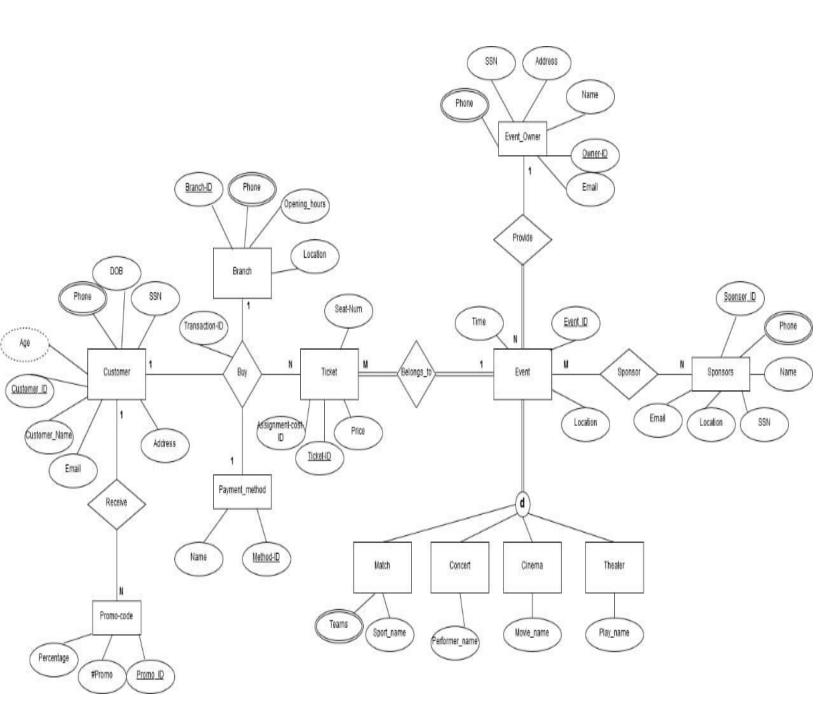
Events must be provided by an owner who has owner-ID, name, email, address, SSN, phone. Events may have sponsors; a sponsor has sponsor-ID, name, location, SSN, email and phone.

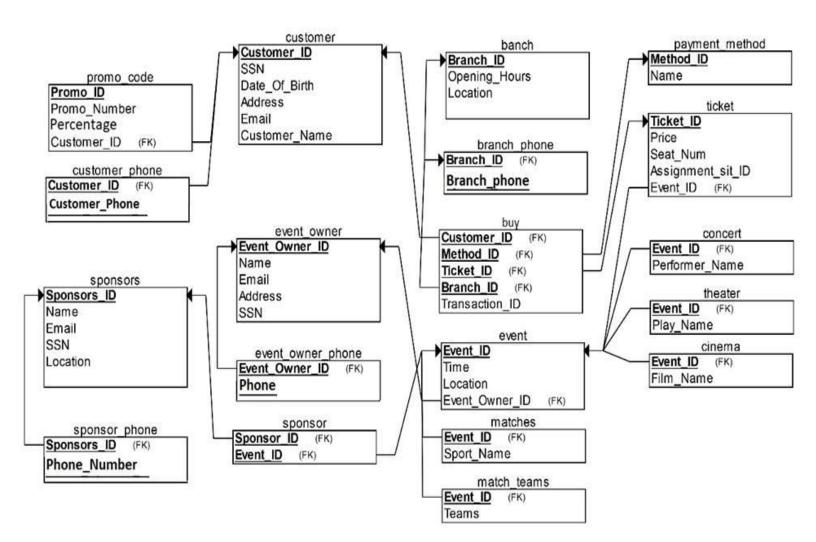
Assumptions:

-To sign up, every customer has to enter some information such as name, SSN, address, phone number, and birth date.

They will get an ID, this ID is unique.

- -A customer may buy one or more tickets.
- -Every sold ticket has a cost and should be assigned to a valid customer ID.
- -Every ticket should belong to a specific event.
- -An event has a specific time and place which it will be held.
- -Every sports event has tournament name, first opponent and second opponent.
- -Every event is owned by an event owner.
- -An event may have some sponsors
- -An event may have a promo code which is a unique number that a customer may type to have a special discount for certain event.
- -A user may receive a promo code.
- -Every promo code is assigned to one user.





Tables

Event Table

\leftarrow \top	- →	~	Event_ID 🔺 1	Time	Location	Event_Owner_ID
	Ø Edit 💤 Cop	y 🔵 Delete	1	09:30:00.000000	Elzamalek	4
	Ø Edit ≱ Cop	y 🔵 Delete	2	11:30:00.000000	cairostadium	1
	Ø Edit 👫 Cop	y 🥥 Delete	3	03:30:00.000000	star mall	14
	Ø Edit ≩€ Cop	y 🔵 Delete	4	20:30:00.000000	Elzamalek	4
	Ø Edit 3 € Cop	y 🥥 Delete	5	21:30:00.000000	Grand Nile tour - Garden city	3
	Ø Edit ≩€ Cop	y 🥥 Delete	6	07:15:00.000000	Grand Nile tour - Garden city	3
	Ø Edit 💤 Cop	y 🥥 Delete	7	04:39:37.000000	star mall	15
	Ø Edit ≩€ Cop	y 🔵 Delete	8	00:00:00.000000	mall el arab	12
	Ø Edit 💤 Cop	y 🥥 Delete	9	05:20:00.000000	star mall	13
	Ø Edit ≩€ Cop	y 🥥 Delete	10	00:00:00.000000	mall el arab	11
	Ø Edit	y 🥥 Delete	11	06:34:31.000000	star mall	14
	Ø Edit ≩€ Cop	y 🥥 Delete	12	00:00:00.000000	mall el arab	11
	Ø Edit 💤 Cop	y 🔵 Delete	13	13:00:00.000000	cairostadium	1
	Ø Edit ≩€ Cop	y 🥥 Delete	14	18:00:00.000000	cairostadium	1
	Ø Edit ≩ Cop	y 🥥 Delete	15	19:00:00.000000	cairostadium	2
	Ø Edit ≩€ Cop	oy 🥥 Delete	16	20:00:00.000000	Dar El OBRA EhTahrir	5
	Ø Edit 💤 Cop	y 🥥 Delete	17	19:30:00.330000	Dar El OBRA EhTahrir	5

Cinema Table

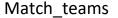
←Ţ	\rightarrow		~	Event_ID	Film_Name
	Edit	≩- Copy	Delete	3	Charlie's Angels
	@ Edit	≩ сору	Delete	7	Harriet
	Edit	≩ сору	Delete	8	Ford v Ferrari
	Edit	∄ copy	Delete	9	Last christmas
	Edit	≩ сору	Delete	10	Maleficent: Mistress of Evil
		≩ сору	Delete	11	A Beautiful Day in the Neighborhood
	Edit	∄ € Copy	Delete	12	Frozen

Concert Table

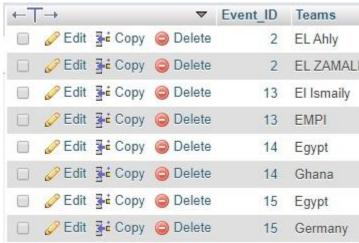


Matches Table

Table







payment_method



event_owner Table

Opt	ons							
-T	→		~	Event_Owner_ID	Name	Email	Address	SSN
	Edit	3 -€ Copy	Delete	1	CAF	CAF@gmail.com	Egypt	11111111
	Edit	≩ сору	Delete	2	EHF	EHF@gmail.com	Egypt	11112222
	Edit	≩ copy	Delete	3	Masrh Masr	Masrh_Masr@gmail.com	Garden city	3333111
	Edit	≩ сору	Delete	4	Aminn Partners	Aminn_Partners@gmail.com	Elzamalek	3333222
	Edit	≩ copy	Delete	5	Dar El Obra	OBRA@gmail.com	ElTahrir	4444111
	Edit	≩ сору	Delete	11	Walt Disney	Disney@gmail.com	USA	5555111
	Edit	3 -€ Copy	Delete	12	Twentieth century Fox	TCFox@gmail.com	USA	55552222
	@ Edit	≩ ċ Copy	Delete	13	Universal picuters	Universal_picuters@gmail.com	USA	55553333
	Edit	∄ ċ Copy	Delete	14	Sony pictures	Sony_pictures@gmail.com	USA	5555444
	@ Edit	3 - сору	Delete	15	Focus features	Focus_features@gmail.com	USA	5555555

Sponsors Table



sponsors_phone Table



Branch Table



branch_phone Table



Ticket Table

ΗĪ	→		∇	Ticket_ID	Price	Seat_Number	Assignment_sit_ID	Event_ID
	Edit	≩ € Copy	Delete	1	40	7	1	1
		∄ ċ Copy	Delete	2	60	10	2	1
	Edit	∄ Copy	Delete	3	70	17	3	2
	@ Edit	₹ Copy	Delete	4	80	15	4	2
	Edit	≩ Copy	Delete	5	20	30	5	5
	Edit	≩- сору	Delete	6	60	18	6	3
	Edit	≩ di Copy	Delete	7	50	21	7	15
	@ Edit	≩ copy	Delete	8	100	31	8	12
	Edit	≩ i Copy	Delete	9	120	19	9	13
	Edit	≩ сору	Delete	10	60	19	1	7
	Edit	3 -€ Copy	Delete	11	90	29	3	11

Buy Table

←T		~	Customer_ID	Method_ID	Ticket_ID	Branch_ID	Transaction_ID
	Ø Edit 3 Cop	y 🔘 Delete	1	4	10	2	38
	Ø Edit 3-€ Cop	y 🥥 Delete	1	2	1	3	1
	Ø Edit 3-6 Cop	y 🔘 Delete	2	1	2	1	2
	Ø Edit ∄å Cop	y 🥥 Delete	3	3	3	2	3
	Ø Edit ♣ Cop	y 🔘 Delete	3	4	11	2	80
	Ø Edit 3-6 Cop	y 🔘 Delete	4	2	4	1	4
	Ø Edit ♣ Cop	y 🥥 Delete	5	5	5	2	5
	Ø Edit 3-€ Cop	y 🔵 Delete	6	4	6	3	6
	Ø Edit 3-6 Cop	y 🔘 Delete	7	5	7	3	7
	Ø Edit 3-€ Cop	y 🥥 Delete	8	3	8	3	8
	Ø Edit ₃ Cop	y 🔵 Delete	9	3	9	1	9

Promocode Table

←1	→		~	Promo_ID	Promocode_Number	percentage	Customer_ID
	@ Edit	≟ сору	Delete	1	8a20	10	2
	@ Edit	≩ сору	Delete	2	c350	30	1
	Edit	≩ -i Copy	Delete	3	m510	50	8
	Edit	≩ - сору	Delete	4	8aa0	15	5
	Edit	≩- Copy	Delete	5	1ab0	20	11
	@ Edit	≩ copy	Delete	6	867e	25	14
	Edit	∄ € Copy	Delete	7	h20b	60	7

Customer Table

-		~	Customer_ID	SSN	Date_Of_Birth	Address	Email	Customer_Name
Edit	Copy	Delete	1	11111111	1997-05-20	madinty	Abanoub@gmail.com	Abanoub
	≩ сору	Delete	2	11112222	1997-06-27	nacer_city	Alaa@gmail.com	Alaa
Edit	≩ copy	Delete	3	11113333	1997-08-15	masr_elgdida	abdelglil@gmail.com	abdelglil
Edit	≩ е́ Сору	Delete	4	11114444	1997-01-20	El-Abaseya	menna@gmail.com	menna
Edit	≩ сору	Delete	5	11115555	1997-12-31	El-Abaseya	salma@gmail.com	salma
	≩ € Сору	Delete	6	11116666	1990-01-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
Edit	≩- Сору	Delete	7	11117777	1990-12-05	masr_elgdida	mohamed_naser@gmail.com	mohamed naser
Edit	≩- сору	Delete	8	11118888	1990-11-20	El-Abaseya	mona_mostafa@gmail.com	mona mostafa
Edit	3 - сору	Delete	9	11119999	1995-11-06	nacer_city	ibrahim_ahmed@gmail.com	ibrahim ahmed
	≩ сору	Delete	10	22221111	1995-06-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
Edit	≩ Copy	Delete	11	2222222	1990-08-17	masr_elgdida	marina_ashref@gmail.com	marina ashref
Edit	≩- сору	Delete	12	22223333	2000-01-15	nacer_city	ali_ahmed@gmail.com	ali ahmed
Edit	≩ Copy	Delete	13	22224444	1996-06-20	El-Abaseya	ahmed_Ali@gmail.com	ahmed Ali
	≩ € Copy	Delete	14	22225555	1994-04-20	nacer_city	nada Ali@gmail.com	nada Ali
Edit	≩- Сору	Delete	15	22226666	1991-02-20	masr_elgdida	mina_aymen@gmail.com	mina aymen

customer_phone Table

	←Ţ	→		~	Customer_ID	Customer_Phone
☐ Edit 3 c Copy ☐ Delete 2 01211111113 ☐ Edit 3 c Copy ☐ Delete 3 01211111114 ☐ Edit 3 c Copy ☐ Delete 4 01211111115 ☐ Edit 3 c Copy ☐ Delete 5 01211111116 ☐ Edit 3 c Copy ☐ Delete 7 01211111117 ☐ Edit 3 c Copy ☐ Delete 7 01211111118 ☐ Edit 3 c Copy ☐ Delete 8 01211111119 ☐ Edit 3 c Copy ☐ Delete 9 01211111119 ☐ Edit 3 c Copy ☐ Delete 10 01211111131 ☐ Edit 3 c Copy ☐ Delete 11 01211111141 ☐ Edit 3 c Copy ☐ Delete 12 01211111151 ☐ Edit 3 c Copy ☐ Delete 13 01211111161		Edit	≩ copy	Delete	1	01211111111
☐			∄ ċ Copy	Delete	1	01211111112
☐		Edit	≩- сору	Delete	2	01211111113
□ Edit 3-2 Copy □ Delete 5 01211111116 □ Edit 3-2 Copy □ Delete 7 01211111117 □ Edit 3-2 Copy □ Delete 7 01211111118 □ Edit 3-2 Copy □ Delete 8 01211111110 □ Edit 3-2 Copy □ Delete 8 01211111119 □ Edit 3-2 Copy □ Delete 9 01211111121 □ Edit 3-2 Copy □ Delete 10 01211111131 □ Edit 3-3 Copy □ Delete 11 01211111151 □ Edit 3-3 Copy □ Delete 12 01211111151 □ Edit 3-3 Copy □ Delete 13 01211111161		Edit	∄ é Copy	Delete	3	01211111114
☐ ☐		Edit	≩- Сору	Delete	4	01211111115
☐ ☐			≩ € Сору	Delete	5	01211111116
☐ ☐ Edit ☐ Copy ☐ Delete 8 012111111119 ☐ ☐ Edit ☐ Copy ☐ Delete 9 01211111121 ☐ ☐ Edit ☐ Copy ☐ Delete 10 01211111131 ☐ ☐ Edit ☐ Copy ☐ Delete 11 01211111141 ☐ ☐ Edit ☐ Copy ☐ Delete 12 01211111151 ☐ 戶 Edit ☐ Copy ☐ Delete 13 01211111161		Edit	≩ сору	Delete	7	01211111117
☐ ☐ Edit ☐ Copy ☐ Delete 8 01211111119 ☐ ☐ Edit ☐ Copy ☐ Delete 9 01211111121 ☐ ☐ Edit ☐ Copy ☐ Delete 10 01211111131 ☐ ☐ Edit ☐ Copy ☐ Delete 11 01211111151 ☐ ☐ Edit ☐ Copy ☐ Delete 13 01211111161			≩ сору	Delete	7	01211111118
□ Ø Edit 3 de Copy ② Delete 9 01211111121 □ Ø Edit 3 de Copy ② Delete 10 01211111131 □ Ø Edit 3 de Copy ② Delete 11 01211111141 □ Ø Edit 3 de Copy ② Delete 12 01211111151 □ Ø Edit 3 de Copy ② Delete 13 01211111161		Edit	≩ copy	Delete	8	01211111110
□ Ø Edit ਔ Č Copy ⑤ Delete 10 01211111131 □ Ø Edit ਔ Č Copy ⑥ Delete 11 01211111141 □ Ø Edit ਔ Č Copy ⑥ Delete 12 01211111151 □ Ø Edit ਔ Č Copy ⑥ Delete 13 01211111161		Edit	∄ сору	Delete	8	01211111119
☐		Edit	≩- Сору	Delete	9	01211111121
☐		Edit	∄ сору	Delete	10	01211111131
☐		Edit	≩- Сору	Delete	11	01211111141
			≩ сору	Delete	12	01211111151
☐		Edit	≩ сору	Delete	13	01211111161
		Edit	≩ сору	Delete	14	01211111171

SQL query

\- Insert customers into customer table

```
INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (6, "ahmed Ali", "ahmed_Ali@gmail.com", "nacer_city", "1990-01-20", "11116666");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (7, "mohamed naser", "mohamed_naser@gmail.com", "masr_elgdida", "1990-12-05", "11117777");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (8, "mona mostafa", "mona mostafa@gmail.com", "El-Abaseya", "1990-11-20", "11118888");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (9, "ibrahim ahmed", "ibrahim ahmed@gmail.com", "nacer_city", "1995-11-06", "11119999");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (10, "ahmed Ali", "ahmed_Ali@gmail.com", "nacer_city", "1995-06-20", "22221111");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (11, "marina ashref", "marina_ashref@gmail.com", "masr_elgdida", "1990-08-17", "222222222");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (12, "ali ahmed", "ali_ahmed@gmail.com", "nacer_city", "2000-01-15", "22223333");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (13, "ahmed Ali", "ahmed_Ali@gmail.com", "nacer_city", "1996-06-20", "22224444");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (14, "nada Ali", "nada Ali@gmail.com", "nacer_city", "1994-04-20", "22225555");

INSERT INTO customer (`Customer_ID`, `Customer_Name`, `Email`, `Address`, `Date_Of_Birth`, `SSN`) VALUES (15, "mina aymen", "mina_aymen@gmail.com", "masr_elgdida", "1991-02-20", "22226666");
```

The result:

	Ø Edit 3€ Copy	Delete	1	11111111	1997-05-20	madinty	Abanoub@gmail.com	Abanoub
	Ø Edit ¾å Copy	Delete	2	11112222	1997-06-27	nacer_city	Alaa@gmail.com	Alaa
	Ø Edit ♣ Copy	Delete	3	11113333	1997-08-15	masr_elgdida	abdelglil@gmail.com	abdelglil
	Ø Edit ≩€ Copy	Delete	4	11114444	1997-01-20	El-Abaseya	menna@gmail.com	menna
	Ø Edit ♣ Copy	Delete	5	11115555	1997-12-31	El-Abaseya	salma@gmail.com	salma
	Ø Edit ≩å Copy	Delete	6	11116666	1990-01-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
	Ø Edit ♣ Copy	Delete	7	11117777	1990-12-05	masr_elgdida	mohamed_naser@gmail.com	mohamed naser
	Ø Edit ≱å Copy	Delete	8	11118888	1990-11-20	El-Abaseya	mona_mostafa@gmail.com	mona mostafa
	Ø Edit 3-6 Copy	Delete	9	11119999	1995-11-06	nacer_city	ibrahim_ahmed@gmail.com	ibrahim ahmed
	Ø Edit ₃ Copy	Delete	10	22221111	1995-06-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
	Ø Edit 3 € Copy	Delete	11	2222222	1990-08-17	masr_elgdida	marina_ashref@gmail.com	marina ashref
	Ø Edit ≩€ Copy	Delete	12	22223333	2000-01-15	nacer_city	ali_ahmed@gmail.com	ali ahmed
	Ø Edit ♣ Copy	Delete	13	22224444	1996-06-20	El-Abaseya	ahmed_Ali@gmail.com	ahmed Ali
	Ø Edit ≩€ Copy	Delete	14	22225555	1994-04-20	nacer_city	nada Ali@gmail.com	nada Ali
	Ø Edit Grade Copy Output Description Descriptio	Delete	15	22226666	1991-02-20	masr_elgdida	mina_aymen@gmail.com	mina aymen
_	5							

Select all movies that are sponsored by pepsi and are showed in star mall

```
SELECT cinema.Film_Name , event.Time
FROM event , sponsor , sponsors , cinema where
EVENT.Location = "star mall"
and sponsors.Name = "pepsi"
and sponsors.Sponsors_ID = sponsor.Sponsors_ID
and sponsor.Event_ID = event.Event_ID
and cinema.Event_ID = sponsor.Event_ID
```

The result

Film_Name	Time		
Harriet	04:39:37.000000		

Select all names and phones and emails of customers who are going to ahly match in cairo stadium

```
SELECT customer.Customer_ID ,customer.Customer_Name ,
    customer.Email ,customer_phone.Customer_Phone
FROM customer , event , match_teams,ticket ,customer_phone
WHERE
event.Location = "cairostadium"
and match_teams.Teams = "EL Ahly"
and ticket.Assignment_sit_ID = customer.Customer_ID
and ticket.Event_ID = event.Event_ID
and match_teams.Event_ID = event.Event_ID
and customer.Customer_ID = customer_phone.Customer_ID
```

The result

Customer_ID	Customer_Name	Email	Customer_Phone
3	abdelglil	abdelglil@gmail.com	01211111114
4	menna	menna@gmail.com	01211111115

Select all the sponsors who sponsor caf matches with no duplicates

```
SELECT DISTINCT sponsors.Name
FROM sponsors,sponsor, event ,event_owner
WHERE event_owner.Name = "CAF"
and event.Event_Owner_ID = event_owner.Event_Owner_ID
and sponsor.Event_ID = event.Event_ID
and sponsors.Sponsors_ID = sponsor.Sponsors_ID
```

The result



Select all sponsors who sponsor movies

```
1 SELECT DISTINCT sponsors.Name
2 FROM sponsors, sponsor, cinema
3 WHERE cinema.Event_ID = sponsor.Event_ID
4 AND sponsors.Sponsors_ID = sponsor.Sponsors_ID
5
```

The result



Select all customers who have their date of birth in january

```
SELECT customer.Customer_Name ,customer.Customer_ID,
customer.Date_Of_Birth ,customer_phone.Customer_Phone
FROM customer , customer_phone
WHERE customer.Date_Of_Birth LIKE "%-01-%"
AND customer.Customer_ID = customer_phone.Customer_ID
```

The result

Customer_Name	Customer_ID	Date_Of_Birth	Customer_Phone
menna	4	1997-01-20	01211111115
ali ahmed	12	2000-01-15	01211111151

Edit Query

Before

-⊤→	~	Event_ID = 1	Time	Location	Event_Owner_ID
Bdit 3 Copy €	Delete	1	09:30:00.000000	Elzamalek	4
☐ Ø Edit 🛂 Copy 🤇	Delete	2	11:30:00.000000	cairostadium	1
🛮 🥜 Edit 👫 Copy 🌾	Delete	3	03:30:00.000000	star mall	14
] 🥜 Edit 💤 Copy 🤇	Delete	4	20:30:00.000000	Elzamalek	4
〗 🔗 Edit 👫 Copy 🤇	Delete	5	21:30:00.000000	Grand Nile tour - Garden city	3
] 🥜 Edit 🚰 Copy 🌾	Delete	6	07:15:00.000000	Grand Nile tour - Garden city	3
🛮 🥒 Edit 👫 Copy 🌘	Delete	7	04:39:37.000000	star mall	15
] 🥜 Edit 👫 Copy 🌾	Delete	8	00:00:00.000000	mall el arab	12
	Delete	9	05:20:00.000000	star mall	13
] 🖉 Edit 🛂 Copy 🧯	Delete	10	00:00:00.000000	mall el arab	11
🛮 🥜 Edit 👫 Copy 🌾	Delete	11	06:34:31.000000	star mall	14
] 🥜 Edit 💤 Copy 🌘	Delete	12	00:00:00.000000	mall el arab	11
🛮 🥜 Edit 👫 Copy 🌾	Delete	13	13:00:00.000000	cairostadium	1
] Ø Edit ≩≟ Copy 🥻	Delete	14	18:00:00.000000	cairostadium	1
🛮 🥒 Edit 👫 Copy 🌘	Delete	15	19:00:00.000000	cairostadium	2
] Ø Edit ≩ Copy (Delete	16	20:00:00.000000	Dar El OBRA EhTahrir	5
〗 🔗 Edit 🛂 Copy 🤇	Delete	17	19:30:00.330000	Dar El OBRA EhTahrir	5

$\leftarrow T \rightarrow$		~	Sponsors_ID	Event_ID	A 1
Edit	≩ € Copy	Delete	3		1
□ Ø Edit	3 -i Copy	Delete	7		1
	≩- Сору	Delete	1		2
□ Ø Edit	∄ å Copy	Delete	3		2
	3- Сору	Delete	1		3
□ Ø Edit	≩- с Сору	Delete	5		4
	≩- Сору	Delete	5		5
□ Ø Edit	∄ сору	Delete	1		6
	≩ i Copy	Delete	5		6
□ Ø Edit	∄ -i Copy	Delete	2		7
☐	≩- Copy	Delete	7		8
□ Ø Edit	3 d Copy	Delete	6		9

← [→		~	Event_ID	Film_Name
	Edit	≩ copy	Delete	3	Charlie's Angels
	@ Edit	∄ copy	Delete	7	Harriet
	Edit	≩ copy	Delete	8	Ford v Ferrari
		∄ ċ Copy	Delete	9	Last christmas
	Edit	3 -i Copy	Delete	10	Maleficent: Mistress of Evil
	Ø Edit	3 - сору	Delete	11	A Beautiful Day in the Neighborhood
	Edit	3 - € Copy	Delete	12	Frozen

-1	→		~	Ticket_ID	Price	Seat_Number	Assignment_sit_ID	Event_ID
	Edit	≩ € Copy	Delete	1	40	7	1	1
	Edit	≩ сору	Delete	2	60	10	2	1
	Edit	3 - сору	Delete	3	70	17	3	2
	Edit	≩ É Copy	Delete	4	80	15	4	2
	Edit	≩ copy	Delete	5	20	30	5	5
	Edit	≩ copy	Delete	6	60	18	6	3
	Edit	≩ copy	Delete	7	50	21	7	15
	Edit	≩ € Copy	Delete	8	100	31	8	12
	Edit	≩ Copy	Delete	9	120	19	9	13
	Edit	≩ copy	Delete	10	60	19	1	7
	Edit	3 € Copy	Delete	11	90	29	3	11

The Query

```
1 UPDATE event
2 SET Event_ID = "20"
3 WHERE Event_ID = "7"
4
```

After

←T	→		~	Event_ID	△ 1	Time	Location	Event_Owner_ID
	Edit	≩ Copy	Delete		1	09:30:00.000000	Elzamalek	4
	Edit	∄- с Сору	Delete		2	11:30:00.000000	cairostadium	1
	Edit	≩ сору	Delete		3	03:30:00.000000	star mall	14
		≩ сору	Delete		4	20:30:00.000000	Elzamalek	4
	Edit	∄ сору	Delete		5	21:30:00.000000	Grand Nile tour - Garden city	3
	Edit	∄ å Copy	Delete		6	07:15:00.000000	Grand Nile tour - Garden city	3
	Edit	∄ copy	Delete		8	00:00:00.000000	mall el arab	12
		∄ сору	Delete		9	05:20:00.000000	star mall	13
	Edit	≩ ċ Copy	Delete		10	00:00:00.000000	mall el arab	11
	Ø Edit	∄-ċ Copy	Delete		11	06:34:31.000000	star mall	14
	Edit	≩- Сору	Delete		12	00:00:00.000000	mall el arab	11
	Edit	3 - сору	Delete		13	13:00:00.000000	cairostadium	1.
	Edit	3 - сору	Delete		14	18:00:00.000000	cairostadium	1
		∄	Delete		15	19:00:00.000000	cairostadium	2
	Edit	≩ сору	Delete		16	20:00:00.000000	Dar El OBRA EhTahrir	5
	Ø Edit	∄ ċ Copy	Delete		17	19:30:00.330000	Dar El OBRA EhTahrir	5
	@ Edit	≩ -i Copy	Delete		20	04:39:37.000000	star mall	15

← T→ ▼	Ticket_ID	Price	Seat_Number	Assignment_sit_ID	Event_ID
☐	1	40	7	1	1
☐ Ø Edit ♣ Copy □ Delete	2	60	10	2	1
☐ Ø Edit ♣ Copy Delete	3	70	17	3	2
☐ Ø Edit ♣ Copy □ Delete	4	80	15	4	2
☐ ☐ Edit ☐ Copy ☐ Delete	e 5	20	30	5	5
☐ Ø Edit 💤 Copy 🥥 Delete	6	60	18	6	3
☐	9 7	50	21	7	15
☐ Ø Edit ⅔ Copy □ Delete	8	100	31	8	12
☐	9	120	19	9	13
☐ Ø Edit ♣ Copy ⊚ Delete	10	60	19	1	20
☐ Ø Edit ☐ Copy ☐ Delete	11	90	29	3	11

← T	→		~	Sponsors_ID 🔺	1	Event_ID
	Edit	≩- сору	Delete		1	2
	Edit	₫ сору	Delete		1	3
	Edit	≩ сору	Delete		1	6
	Edit	≩ сору	Delete		1	11
	Edit	≩- сору	Delete		1	12
	@ Edit	≩ сору	Delete		1	13
	Edit	≩- Copy	Delete		1	14
	Edit	≩ сору	Delete		1	15
	Edit	≩- Сору	Delete		1	17
	Edit	≩ сору	Delete		2	13
	Edit	≩ сору	Delete		2	15
	Edit	≩ сору	Delete		2	16
	Edit	≩ copy	Delete		2	20
	@ Edit	≩ copy	Delete		3	1
	Edit	≩- сору	Delete		3	2
	Edit	≩ е́ Сору	Delete		3	14
	Edit	≩- ё Сору	Delete		3	15
	Edit	₫ сору	Delete		4	15

	\rightarrow		~	Event_ID	Film_Name
9	Edit	💤 Сору	Delete	3	Charlie's Angels
J	Edit	≩- с Сору	Delete	8	Ford v Ferrari
)	Edit	≩ сору	Delete	9	Last christmas
)	Edit	₫-ѐ Сору	Delete	10	Maleficent: Mistress of Evil
J	Edit	≩- Сору	Delete	11	A Beautiful Day in the Neighborhood
)	Edit	≩ - сору	Delete	12	Frozen
)	Edit	3 -i Copy	Delete	20	Harriet

Delete Query

Delete customer from the Data base

Before

←T→		∇	Customer_ID	SSN	Date_Of_Birth	Address	Email	Customer_Name
☐ Ø Edit	🖟 Copy 🧶 D	elete	1	11111111	1997-05-20	madinty	Abanoub@gmail.com	Abanoub
□ Ø Edit	🖟 Copy 🥥 D	elete	2	11112222	1997-06-27	nacer_city	Alaa@gmail.com	Alaa
☐ Ø Edit	👫 Copy 🥥 D	elete	3	11113333	1997-08-15	masr_elgdida	abdelglil@gmail.com	abdelglil
□ Ø Edit	🖟 Copy 🥥 D	elete	4	11114444	1997-01-20	El-Abaseya	menna@gmail.com	menna
☐ Ø Edit	≩ é Copy 🏀 D	elete	5	11115555	1997-12-31	El-Abaseya	salma@gmail.com	salma
☐ Ø Edit	🖟 Copy 🥥 D	elete	6	11116666	1990-01-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
☐ Ø Edit	👫 Copy 🥥 D	elete	7	11117777	1990-12-05	masr_elgdida	mohamed_naser@gmail.com	mohamed naser
□ Ø Edit	🖟 Copy 🥥 D	elete	8	11118888	1990-11-20	El-Abaseya	mona_mostafa@gmail.com	mona mostafa
☐ Ø Edit	🏰 Copy 🥥 D	elete	9	11119999	1995-11-06	nacer_city	ibrahim_ahmed@gmail.com	ibrahim ahmed
□ Ø Edit	💤 Copy 🥥 D	elete	10	22221111	1995-06-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
□ 🖉 Edit	<mark>}∔</mark> Copy 🥥 De	elete	11	22222222	1990-08-17	masr_elgdida	marina_ashref@gmail.com	marina ashref
□ Ø Edit	🖟 Copy 🥥 D	elete	12	22223333	2000-01-15	nacer_city	ali_ahmed@gmail.com	ali ahmed
☐ Ø Edit	<mark>}∔i Copy 🏀 D</mark>	elete	13	22224444	1996-06-20	El-Abaseya	ahmed_Ali@gmail.com	ahmed Ali
□ Ø Edit	🖟 Copy 🥥 D	elete	14	22225555	1994-04-20	nacer_city	nada Ali@gmail.com	nada Ali
☐ Ø Edit	👫 Copy 🥥 D	elete	15	22226666	1991-02-20	masr_elgdida	mina_aymen@gmail.com	mina aymen

$\leftarrow T \rightarrow$			∇	Customer_ID	Customer_Phone
	Edit 3 c	Сору 🔵	Delete	1	01211111111
	Edit ∄€ (Сору 🥥	Delete	1	01211111112
	Edit ∄ € 0	Сору 🥥	Delete	2	01211111113
	Edit 3€ 0	Сору 🥥	Delete	3	01211111114
	Edit 💤 🤇	Сору 🥥	Delete	4	01211111115
	Edit ∄€ 0	Сору 🥥	Delete	5	01211111116
	Edit 34 C	Сору 🥥	Delete	7	01211111117
	Edit 3 € C	Сору 🥥	Delete	7	01211111118
	Edit 3€ 0	Сору 🥥	Delete	8	01211111110
	Edit 34 C	Сору 🥥	Delete	8	01211111119
	Edit 💤 0	Сору 🥥	Delete	9	01211111121
	Edit 3 € C	Сору 🔵	Delete	10	01211111131
	Edit 👫 0	Сору 🥥	Delete	11	01211111141
	Edit 3 € C	Сору 🔵	Delete	12	01211111151
	Edit 3 -≟ 0	Сору 🔘	Delete	13	01211111161
	Edit 3 d	Сору 🥥	Delete	14	01211111171

+ ∪p	tions -		▽	Customer ID	Method ID	Ticket ID	Branch ID	Transaction ID
	Edit	≩	Delete	1	4	10	2	38
	@ Edit	≩ ċ Copy	Delete	1	2	1	3	1
	Edit	≩ copy	Delete	2	1	2	1	2
	Edit	≩ сору	Delete	3	3	3	2	3
	Edit	≩ copy	Delete	3	4	11	2	80
	Ø Edit	≩ ċ Copy	Delete	4	2	4	1	4
	Edit	≩	Delete	5	5	5	2	5
	@ Edit	≩ с Сору	Delete	6	4	6	3	6
	Edit	∄ ċ Copy	Delete	7	5	7	3	7
	@ Edit	∄ ċ Copy	Delete	8	3	8	3	8
	@ Edit	≩ copy	Delete	9	3	9	1	9

The Query

```
1 DELETE FROM customer
2 WHERE
3 customer_Customer_Name = "mohamed naser"
4
```

After

-1	→	\vee	Customer_ID	A 1	SSN	Date_Of_Birth	Address	Email	Customer_Name
	Ø Edit 3 € Copy	Delete		1	11111111	1997-05-20	madinty	Abanoub@gmail.com	Abanoub
	Ø Edit ≱å Copy	Delete		2	11112222	1997-06-27	nacer_city	Alaa@gmail.com	Alaa
	Ø Edit ♣ Copy	Delete		3	11113333	1997-08-15	masr_elgdida	abdelglil@gmail.com	abdelglil
	Ø Edit ≩€ Copy	Delete		4	11114444	1997-01-20	El-Abaseya	menna@gmail.com	menna
	Ø Edit ♣ Copy	Delete		5	11115555	1997-12-31	El-Abaseya	salma@gmail.com	salma
	Ø Edit ¾€ Copy	Delete		6	11116666	1990-01-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
	Ø Edit 3€ Copy	Delete		8	11118888	1990-11-20	El-Abaseya	mona_mostafa@gmail.com	mona mostafa
	Ø Edit ≩€ Copy	Delete		9	11119999	1995-11-06	nacer_city	ibrahim_ahmed@gmail.com	ibrahim ahmed
	Ø Edit 3€ Copy	Delete		10	22221111	1995-06-20	nacer_city	ahmed_Ali@gmail.com	ahmed Ali
	Ø Edit ≩€ Copy	Delete		11	22222222	1990-08-17	masr_elgdida	marina_ashref@gmail.com	marina ashref
	Ø Edit 3 € Copy	Delete		12	22223333	2000-01-15	nacer_city	ali_ahmed@gmail.com	ali ahmed
	Ø Edit ∄å Copy	Delete		13	22224444	1996-06-20	El-Abaseya	ahmed_Ali@gmail.com	ahmed Ali
	Ø Edit ≩ Copy	Delete		14	22225555	1994-04-20	nacer_city	nada Ali@gmail.com	nada Ali
0	Ø Edit 3 € Copy	Delete		15	22226666	1991-02-20	masr_elgdida	mina_aymen@gmail.com	mina aymen

←i	- →		▼	Customer_ID	△ 1	Customer_Phone
	Edit	≩ сору	Delete		1	01211111111
	Edit	∄- Сору	Delete		1	01211111112
	Edit	≩	Delete		2	01211111113
0	@ Edit	∄ ċ Copy	Delete		3	01211111114
	Edit	≩ сору	Delete		4	01211111115
		≩ сору	Delete		5	01211111116
	@ Edit	≩ ≟ Copy	Delete		8	01211111110
	@ Edit	∄ ≟ Copy	Delete		8	01211111119
	Edit	≩ Copy	Delete		9	01211111121
		∄ - сору	Delete		10	01211111131
	Edit	≩ сору	Delete		11	01211111141
	Edit	≩- сору	Delete		12	01211111151
	Edit	≩ сору	Delete		13	01211111161
lines.	O FOR	Et o	O Date			0404444474

-Ţ→	∇	Customer_ID 🔺 1	Method_ID	Ticket_ID	Branch_ID	Transaction_ID
🗌 🥜 Edit 👫 Copy	Delete	1	4	10	2	38
☐ 🔗 Edit 🛂 ê Copy	Delete	1	2	1	3	1
	Delete	2	1	2	1	2
☐ 🖉 Edit 强 Copy	Delete	3	3	3	2	3
☐ Ø Edit 3- Copy	Delete	3	4	11	2	80
□ 🔗 Edit 🛂 Copy	Delete	4	2	4	1	4
📗 🥜 Edit 🛂 Copy	Delete	5	5	5	2	5
☐ 🔗 Edit 🛂 Copy	Delete	6	4	6	3	6
	Delete	8	3	8	3	8
☐ 🔗 Edit 🛂 Copy	Delete	9	3	9	1	9

Delete event query

\leftarrow T	→	▼ F	Event_ID a 1	Time	Location	Ever	nt_Owner_ID
	Ø Edit die Copy	Delete	1	09:30:00.000000) Elzamalek		4
	Ø Edit ¾ċ Copy	Delete	2	11:30:00.000000	cairostadium		1
	Ø Edit ¾ Copy	Delete	3	03:30:00.00000	star mall		14
	Ø Edit 3€ Copy	Delete	4	20:30:00.00000) Elzamalek		4
	Ø Edit ¾ Copy	Delete	5	21:30:00.00000) Grand Nile tour - Garden cit	y	3
	Ø Edit 3 € Copy	Delete	6	07:15:00.00000) Grand Nile tour - Garden cit	у	3
	Ø Edit 3€ Copy	Delete	7	04:39:37.00000) star mall		15
	Ø Edit ¾ Copy	Delete	8	00:00:00.000000) mall el arab		12
	Ø Edit ¾i Copy	Delete	9	05:20:00.00000) star mall		13
	Ø Edit 3 € Copy	Delete	10	00:00:00.00000) mall el arab		11
	Ø Edit ¾ Copy	Delete	11	06:34:31.00000) star mall		14
	Ø Edit 3€ Copy	Delete	12	00:00:00.000000) mall el arab		11
	Ø Edit ¾i Copy	Delete	13	13:00:00.000000) cairostadium		1
	Ø Edit 3 € Copy	Delete	14	18:00:00.00000) cairostadium		1
	Ø Edit 3 € Copy	Delete	15	19:00:00.00000) cairostadium		2
	Ø Edit 3€ Copy	Delete	16	20:00:00.000000	Dar El OBRA EhTahrir		5
	Ø Edit	Delete	17	19:30:00.330000	Dar El OBRA EhTahrir		5
- 1	# Per ovent						
—	T→	7	▼ Ticket ID	Price Seat	Number Assignment s	it ID	Event ID
	Ø Edit ≩ co	py 🥥 Dele	te 1	40	7	1	1
	Ø Edit ∄e Co	py 🥥 Dele	te 2	60	10	2	1
	Ø Edit ≩ Co	py 🥥 Dele	te 3	70	17	3	2
	Ø Edit ∰e Co	py 🥥 Dele	te 4	80	15	4	2
	Ø Edit ∰ Co	py 🥥 Dele	te 5	20	30	5	5
	Ø Edit ∰a Co			60	18	6	3
	Ø Edit 3 € Co	F. T		50	21	7	15
	Ø Edit ∄€ Co			100	31	8	12
	Ø Edit ≩ Co			120	19	9	13
	Ø Edit 3 € Co	py 🥥 Dele	te 10	60	19	1	7

← T→	~	Customer_ID	Method_ID	Ticket_ID 🔺 1	Branch_ID	Transaction_ID
📗 🥜 Edit 👫 Copy	Delete	1	2	1	3	1
☐ Ø Edit ¾ Copy	Delete	2	1	2	1	2
📗 🥜 Edit 👫 Copy	Delete	3	3	3	2	3
	Delete	4	2	4	1	4
	Delete	5	5	5	2	5
☐ 🖉 Edit 👫 Copy	Delete	6	4	6	3	6
	Delete	8	3	8	3	8
☐ Ø Edit ¾ Copy	Delete	9	3	9	1	9
	Delete	1	4	10	2	38
☐ Ø Edit ♣ê Copy	Delete	3	4	11	2	80

The Query

```
1 DELETE FROM event
2 WHERE
3 event.Event_ID = "2"
4
```

After

←	→	~	Event_ID A 1	Time	Location	Event_Owner_ID
	Ø Edit ₃ Co	py 🥥 Delete	1	09:30:00.000000	Elzamalek	4
	Ø Edit ≩€ Co	py 🔘 Delete	3	03:30:00.000000	star mall	14
	Ø Edit 3 € Co	py 🥥 Delete	4	20:30:00.000000	Elzamalek	4
	Ø Edit 3€ Co	py 🥥 Delete	5	21:30:00.000000	Grand Nile tour - Garden city	3
	Ø Edit 3 € Co	py 🥥 Delete	6	07:15:00.000000	Grand Nile tour - Garden city	3
	Ø Edit ∄å Co	py 🔵 Delete	7	04:39:37.000000	star mall	15
	Ø Edit ≩ Co	py 🥥 Delete	8	00:00:00.000000	mall el arab	12
	Ø Edit ₃ Co	py 🔘 Delete	9	05:20:00.000000	star mall	13
	Ø Edit ₃ Co	py 🥥 Delete	10	00:00:00.000000	mall el arab	11
	Ø Edit ≩ê Co	py 🔘 Delete	11	06:34:31.000000	star mall	14
	Ø Edit 3€ Co	py 🥥 Delete	12	00:00:00.000000	mall el arab	11
	Ø Edit ∄€ Co	py 🥥 Delete	13	13:00:00.000000	cairostadium	1
	Ø Edit 3€ Co	py 🥥 Delete	14	18:00:00.000000	cairostadium	1
	Ø Edit ∄å Co	py 🔘 Delete	15	19:00:00.000000	cairostadium	2
	Ø Edit ≩ Co	py 🔘 Delete	16	20:00:00.000000	Dar El OBRA EhTahrir	5
	Ø Edit ₃ Co	py 🔵 Delete	17	19:30:00.330000	Dar El OBRA EhTahrir	5

-1	\rightarrow		~	Ticket_ID = 1	Price	Seat_Number	Assignment_sit_ID	Event_ID
	Edit	≩- € Copy	Delete	1	40	7	1	1
	Edit	₹ Copy	Delete	2	60	10	2	1
	Edit	≩ copy	Delete	5	20	30	5	5
	Edit	∄ ċ Copy	Delete	6	60	18	6	3
	Edit	∄ сору	Delete	7	50	21	7	15
	@ Edit	∄ å Copy	Delete	8	100	31	8	12
	Edit	≩ i Copy	Delete	9	120	19	9	13
	Edit	₹ Copy	Delete	10	60	19	1	7
	@ Edit	≩ copy	Delete	11	90	29	3	11

Γ→		~	Customer_ID	Method_ID	Ticket_ID 🔺 1	Branch_ID	Transaction_ID
	3 - Copy (Delete	1	2	1	3	1
Ø Edit	a i Copy (Delete	2	1	2	1	2
Ø Edit	≩ - Copy (Delete	5	5	5	2	5
Ø Edit	3 -ċ Copy (Delete	6	4	6	3	6
Ø Edit	3 -€ Copy	Delete	8	3	8	3	8
@ Edit	g-≟ Copy	Delete	9	3	9	1	9
Ø Edit	3 -i Copy	Delete	1	4	10	2	38
Ø Edit	g-i Copy	Delete	3	4	11	2	80
40.00-000			1	4	10 11	2	