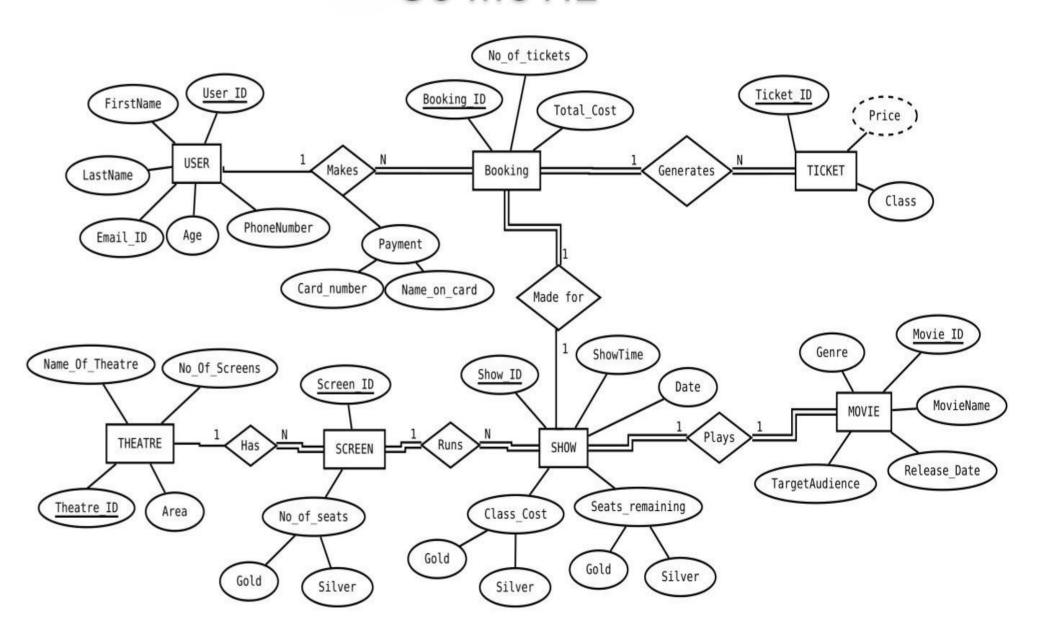
# Go Movie

### Introduction:

This database management system is basically aimed to provide complete information of the movie and schedule to the customer. Admin can use this system to delete, insert and update the data in the webpage that will be accessible by the customers. Operate your cinema with better efficiency by automating reservation and ticketing process.

### ER Diagram:

# **GO MOVIE**



### STRUCTURE OF TABLES

### WEB\_USER:

This table contains the details such as name and phone number of web users that would be providing their information before making booking tickets.

MariaDB [movies]	> desc web_use	er;					
Field	Туре	Null	Key	Default	Extra		
Web_User_ID First_Name Last_Name Email_ID Age Phone_Number	varchar(5) varchar(15) varchar(20) varchar(30) int(11) varchar(10)	NO YES YES YES YES NO	PRI	NULL NULL NULL NULL NULL			
6 rows in set (	++ 6 rows in set (0.017 sec)						

### THEARTRE:

This table contains all the details of theatre such as theatre id, name of theatre, no. of screens and area.

MariaDB [movies]>	lesc theatre;	<b>.</b>	·			
Field	Туре	Null	Key	Default	Extra	
	varchar(5) varchar(30) int(11) varchar(30)	YES	PRI	NULL NULL NULL NULL		
++ 4 rows in set (0.016 sec)						

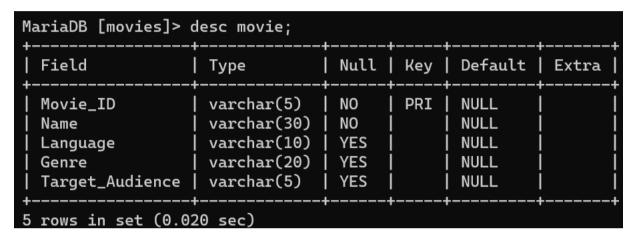
### SCREEN:

This table contains all the details of screen such as screen id, no. of seats gold, no. of seats silver and theatre id that is available at the theatre.

MariaDB [movies]> des	c screen;	<b>.</b>	·		a
Field	Type	Null	Key	Default	Extra
Screen_ID   No_of_Seats_Gold   No_of_Seats_Silver   Theatre_ID		NO NO	PRI       MUL	NULL   NULL   NULL   NULL	
4 rows in set (0.021	sec)	+	<del></del>	<del> </del>	r+

### MOVIE:

This table contains the details of all the movies such as movie id, name, language, genre and target audience that can be found.



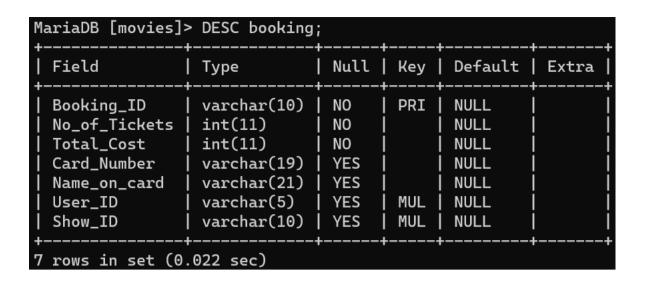
### **SHOWS:**

This table contain all the details of shows such as show date and show time that are available at the theatre.

 Field	+   Type	   Null	   Key	Default	   Extra
	+(10)	+	+		·
Show_ID	varchar(10)	NO	PRI	NULL	
Show_Time	time	NO		NULL	
Show_Date	date	NO		NULL	
Seats_Remaining_Gold	int(11)	NO		NULL	
Seats_Remaining_Silver	int(11)	NO		NULL	
Class_Cost_Gold	int(11)	NO		NULL	
Class_Cost_Silver	int(11)	NO		NULL	
Screen_ID	varchar(5)	NO	MUL	NULL	
Movie_ID	varchar(5)	NO	MUL	NULL	

### **BOOKING:**

This table contains all the details of bookings such as booking id, total cost, user id and card number that are retrieved from web user during booking.



### TICKET:

This table contains all the details of ticket such as ticket id, booking id, class and price that are available.

MariaDB [movies]> desc ticket;							
Field	Туре	Null	Key	Default	Extra		
Booking_ID	varchar(20) varchar(10) varchar(3) int(11)	NO YES NO NO	PRI MUL	NULL NULL NULL NULL			
4 rows in set	(0.014 sec)						

**CONTENTS OF TABLES** 

WEB\_USER:

MariaDB [movies	s]> select * +	from web_user;			
Web_User_ID	First_Name	Last_Name	Email_ID 	Age 	Phone_Number
100	Amit	Sinha	amitsinhT04@gmail.com	35	9846273634
101	Raghav	Seth	seth.raghav987@gmail.com	26	7845279834
102	Anjali	Gupta	anjali23g@gmail.com	30	8849273345
103	Joy	Mathew	jmathew.123@gmail.com	27	9000567890
104	Sudha	Sunil	sudha_sunil07@gmail.com	47	8874323461
105	Ajay	Kumar	kumarajayv56@gmail.com	19	9078985643
106	Vikram	Joshi	jvikram.89@gmail.com	23	7750912345
107	Komal	Agarwal	komal.agarwal87@gmail.com	15	9345687654
108	Maitri	Shah	maitrishahj1@gmail.com	32	9922345016
109	Bhavya	Shastri	bhavyashastri@gmail.com	25	8567409098
110	Preeti	Jain	preeti.jain@gmail.com	18	7765433211
111	Shreya	Rathod	rathod_shreya@gmail.com	38	9800215673
112	Aditya	Rajesh	adityarajesh2902@gmail.com	21	9108996762
113	Keerti	Srivatsan	keertisri@gmail.com	25	7707378654
114	Rahul	Raghav	rahulrag@gmail.com	23	9591990037
115	Shrushti	Singh	shrushtikaul@gmail.com	19	9900554017
116	Mona	Mohammed	monaraisa@gmail.com	23	9591670037
117	Anushka	Sharma	sharmaanushka@gmail.com	40	9902432497
118	Yohanan	Veerappan	yohanv@gmail.com	44	8231239804
119	Kamala	Raghavendran	kamalag@gmail.com	32	9594390037
120	Janice	Fernandes	janicefernandes@gmail.com	38	9325880785
121	Sachin	Suresh	sachin1995@gmail.com	23	9325880785
122	Utham	Aiyappa	utham10@gmail.com	21	8581654798
123	Pranav	Gowda	pranavgowda06@gmail.com	37	8846085689
24 rows in set	(0.001 sec)	<del></del>	<del> </del>	·	

# THEATRE:

+	es]> select * from	<del> </del>	·
Theatre_ID	Name_of_Theatre	No_of_Screens 	Area 
T01	PVR Cinemas	4	Koramangala, Bangalore
T02	INOX Movies	4	Katpadi, Vellore
T03	Cinepolis	3	Meera Marg, Gurgaon
T04	PVR Cinemas	5	Hindmata, Parel
T05	3D Halls	3	Citylight, Matunga
T06	PVR Cinemas	7	Highstreet, Parel
T07	Cinepolis	2	Khodadad, Dadar
T08	3D Halls	2	Hutatma, Varanasi
T09	INOX Movies	4	St Mary, New Delhi
T10	Dolby Halls	7	Xperia Mall, lodha
T11	PVR Cinemas	2	Gawangaon, Wadala
T12	Cinepolis	4	Lalbagh, Delhi
T13	3D Halls	6	Shastrinagar, Nashik
T14	Dolby Halls	5	Delite, Delhi
T15	PVR Cinemas	2	Kalakilla, Dharavi
T16	INOX Movies	4	Bimbisar, Goregaon
T17	Cinepolis	3	Marol, Andheri
T18	3D Halls	4	Agarwal, Mulund
T19	Dolby Halls	5	Gaur, Noida
T20	Dolby Halls	3	Vetrri, Chennai
+		+	

# SCREEN:

MariaDB [movi	ies]> select * from	SCREEN;	
Screen_ID	No_of_Seats_Gold	No_of_Seats_Silver	Theatre_ID
T011	20	60	T01
T012	20	60	T02
T013	20	60	T03
T014	20	60	T01
T020	25	60	T10
T021	22	64	T02
T022	22	64	T03
T023	22	64	T04
T024	22	64	T05
T029	20	50	T09
T030	30	80	T13
T031	20	50	T06
T032	20	50	T07
T033	20	50	T06
T034	20	50	T08
T035	20	50	T09
T038	20	50	T19
T039	20	50	T19
T040	30	79	T10
T042	30	60	T12
+		·	++
20 rows in se	et (0.001 sec)		

MariaDB [mov	MariaDB [movies]> select * from MOVIE;						
Movie_ID	Name	Language	   Genre 	Target_Audience			
001	Hichki	Hindi	Drama/Comedy	U/A			
002	Pacific Rim Uprising	English	Fantasy/SciFi	U/A			
003	Strangers : Prey at night	English	Horror	U/A			
004	Tomb Raider	English	Fantasy/Action	A			
005	Midnight Sun	English	Romance	R			
006	Peter Rabbit	English	Fantasy/Adventure	U/A			
007	Black Panther	English	Fantasy/SciFi	U/A			
800	Maze Runner: The Death Cure	English	Fantasy/SciFi	U/A			
009	Insidious: The Last Key	English	Horror	U/A			
010	Blackmail	Hindi	Comedy	U/A			
011	Parmanu: The Story of Pokhran	Hindi	Drama/Thriller	U/A			
012	3 Storeys	Hindi	Drama	U/A			
013	Rajaratha	Tamil	Comedy	U/A			
014	Yogi Duniya	Tamil	Drama/Thriller	U/A			
015	Kurukshetra	Tamil	Fantasy/History	U/A			
016	Mersal	Tamil	Romance/Comedy	U/A			
017	Temple	Hindi	Horror	U/A			
018	Interstellar	English	SciFI	A			
019	Till	English	Drama	A			
020	Mirage	Hindi	Drama	S			
021	Anek	Hindi	Action	U/A			
+		<del></del>	+	++			

## SHOWS:

Show_ID	Show_Time	Show_Date	Seats_Remaining_Gold	Seats_Remaining_Silver	Class_Cost_Gold	Class_Cost_Silver	Screen_ID	Movie_I[
 SHT0110001	09:00:00	0004-04-18	   20	   60	   400	350 J	T011	001
SHT0110002	04:20:00	0004-04-18	20	60	400	350	T011	012
SHT0110003	07:30:00	0004-04-18	20	60	400	350	T011	007
SHT0120001	09:00:00	0004-04-18	20	60	400	350	T012	002
SHT0120002	04:20:00	0004-04-18	20	60	400	350	T012	013
SHT0130001	09:00:00	0004-04-18	20	60	400	350	T013	003
SHT0130002	04:20:00	0004-04-18	20	60	400	350	T013	014
SHT0140001	09:00:00	0004-04-18	20	60	400	350	T014	004
SHT0140002	04:20:00	0004-04-18	20	60	400	350	T014	015
SHT0210001	09:00:00	0004-04-18	22	64	395	325	T021	005
SHT0210002	04:20:00	0004-04-18	22	64	395	325	T021	016
SHT0220001	09:00:00	0004-04-18	22	64	395	325	T022	006
SHT0220002	04:20:00	0004-04-18	22	64	395	325	T022	001
SHT0230001	09:00:00	0004-04-18	22	64	395	325	T023	007
SHT0230002	04:20:00	0004-04-18	22	64	395	325	T023	002
SHT0240001	09:00:00	0004-04-18	22	64	395	325	T024	008
SHT0240002	04:20:00	0004-04-18	22	64	395	325	T024	003
SHT0310001	09:00:00	0004-04-18	20	50	425	350	T031	009
SHT0310002	04:20:00	0004-04-18	20	50	425	350	T031	004
SHT0320001	09:00:00	0004-04-18	20	50	425	350	T032	010
SHT0320002	04:20:00	0004-04-18	20	50	425	350	T032	005
SHT0330001	09:00:00	0004-04-18	20	50	425	350	T033	011
SHT0330002	04:20:00	0004-04-18	20	50	425	350	T033	006

MariaDB [movie	es]> select * fro	om BOOKING;				
Booking_ID	No_of_Tickets	Total_Cost	Card_Number	Name_on_card	User_ID	Show_ID
BK10000010	7	2550	1100946878185874	Amit Sinha	100	SHT0110001
BK10000015	4	1400	1303333985175724	Amit Sinha	100	SHT0120001
BK10100001	5	1750	4600867746277489	Raghav Seth	101	SHT0110001
BK10100020	1	350	6289359508592847	Raghav Seth	101	SHT0120001
BK10300011	9	3300	5721854946735779	Joy Mathew	103	SHT0110001
BK10500003	3	1050	1715568540234971	Ajay Kumar	105	SHT0110001
BK10600005	5	1800	6700075718329514	Vikram Joshi	106	SHT0110001
BK10700002	6	2100	5558062060974207	Komal Agarwal	107	SHT0110001
BK10800009	4	1500	6369517485040577	Maitri Shah	108	SHT0110001
BK11100016	4	1400	4294259470224084	Shreya Rathod	111	SHT0120001
BK11200014	4	1400	7022580821560455	Aditya Rajesh	112	SHT0120001
BK11300012	5	1850	5082598172257230	Keerti Srivatsan	113	SHT0110001
BK11300021	4	1400	8882135475839272	Keerti Srivatsan	113	SHT0120001
BK11400007	9	3350	2170648806526324	Rahul Raghav	114	SHT0110001
BK11400018	6	2100	7438443760955261	Rahul Raghav	114	SHT0120001
BK11600004	1	350	5396417845824659	Mona Mohammed	116	SHT0110001
BK11600017	4	1400	8692866852988885	Mona Mohammed	116	SHT0120001
BK11700022	7	2650	4464474850275292	Anushka Sharma	117	SHT0120001
BK11900019	6	2300	5954130176674979	Kamala Raghavendran	119	SHT0120001
BK12000000	6	2100	3594888552401348	Janice Fernandes	120	SHT0110001
20 rows in set	+ t (0.001 sec)				<del> </del>	

# TICKET:

MariaDB [movies]> s	elect * from	ticket;	<del>-</del>
Ticket_ID	Booking_ID	Class	Price
G0004SHT0110001	BK11300012	GLD	400
G0007SHT0110001	BK10300011	GLD	400
G0009SHT0110001	BK10000010	GLD	400
G0011SHT0110001	BK10800009	GLD	400
G0015SHT0110001	BK11400007	GLD	400
G0015SHT0120001	BK11700022	GLD	400
G0019SHT0120001	BK11900019	GLD	400
G0020SHT0110001	BK10600005	GLD	400
S0031SHT0120001	BK11300021	SLV	350
S0033SHT0120001	BK10100020	SLV	350
S0040SHT0110001	BK11600004	SLV	350
S0040SHT0120001	BK11400018	SLV	350
S0043SHT0110001	BK10500003	SLV	350
S0044SHT0120001	BK11600017	SLV	350
S0049SHT0110001	BK10700002	SLV	350
S0049SHT0120001	BK11100016	SLV	350
S0053SHT0110001	BK10100001	SLV	350
S0053SHT0120001	BK10000015	SLV	350
S0054SHT0110001	BK10100001	SLV	350
S0057SHT0120001	BK11200014	SLV	350
S0059SHT0110001	BK12000000	SLV	350
S0060SHT0110001	BK12000000	SLV	350
+	001 sec)		++

### 1. Show remaining gold seats from movie named 'mersal'.

MariaDB [movies]> select seats\_remaining\_gold from shows where movie\_id in(select movie\_id from movie where name = 'mersal');

### 2. Show details of people who booked more than 5 tickets.

MariaDB [movies] > Select First\_Name, Last\_Name from Web\_User

- -> where Web\_User\_ID IN
- -> (Select distinct User\_ID from Booking where No\_of\_Tickets > 5);

```
MariaDB [movies]> Select First_Name, Last_Name from Web_User
   -> where Web_User_ID IN
   -> (Select distinct User_ID from Booking where No_of_Tickets > 5);
 First_Name | Last_Name
 Amit
               Sinha
               Mathew
 Joy
 Komal
               Agarwal
              Raghav
 Rahul
 Anushka
               Sharma
 Kamala
               Raghavendran
 Janice
              Fernandes
 rows in set (0.001 sec)
```

### 3. Show movies that will be available at 9 am.

MariaDB [movies]> select name from movie where movie\_id in(select movie\_id from shows where show\_time='09:00:00 AM');

### 4. Show which movie requires parental guidance based on their genres.

MariaDB [movies] > select name as requires\_parental\_guidance

- -> from movie
- -> where genre='Fantasy/Scifi' or genre='Drama/Comedy' or genre='Romance/Comedy'
- -> or genre='Horror';

#### **JOINS**

#### 1. Display the details of the user 's card number used in the payment process.

MariaDB [movies] > Select First\_name, Last\_name, Email\_ID, Phone\_number, Card\_number from web\_user as wu inner join booking as b on wu.web\_user\_id=b.user\_id;

```
MariaDB [movies]> Select First_name, Last_name, Email_ID, Phone_number, Card_number from web_user as wu inner join booking as b on wu
.web_user_id=b.user_id;
                                                            Phone_number | Card_number
 First_name | Last_name
                              Email_ID
 Amit
              Sinha
                              amitsinhT04@gmail.com
                                                            9846273634
                                                                           1100946878185874
                                                            9846273634
                                                                            1303333985175724
 Amit
              Sinha
                              amitsinhT04@gmail.com
                                                            7845279834
                                                                           4600867746277489
 Raghav
              Seth
                              seth.raghav987@gmail.com
                              seth.raghav987@gmail.com
                                                                           6289359508592847
                                                            7845279834
 Raghav
               Seth
                              jmathew.123@gmail.com
                                                            9000567890
                                                                            5721854946735779
 Joy
               Mathew
                              kumarajayv56@gmail.com
                                                                            1715568540234971
 Ajay
              Kumar
                                                            9078985643
 Komal
                              komal.agarwal87@gmail.com
                                                            9345687654
                                                                            5558062060974207
               Agarwal
                                                                            6369517485040577
 Maitri
                                                            9922345016
               Shah
                              maitrishahj1@gmail.com
 Shreya
              Rathod
                              rathod_shreya@gmail.com
                                                            9800215673
                                                                            4294259470224084
                              adityarajesh2902@gmail.com
 Aditya
              Rajesh
                                                            9108996762
                                                                            7022580821560455
                                                            7707378654
              Srivatsan
 Keerti
                              keertisri@gmail.com
                                                                            5082598172257230
 Keerti
               Srivatsan
                              keertisri@gmail.com
                                                            7707378654
                                                                            8882135475839272
                                                                            2170648806526324
 Rahul
               Raghav
                              rahulrag@gmail.com
                                                            9591990037
 Rahul
              Raghav
                              rahulrag@gmail.com
                                                            9591990037
                                                                            7438443760955261
                              monaraisa@gmail.com
 Mona
              Mohammed
                                                            9591670037
                                                                            5396417845824659
                              monaraisa@gmail.com
 Mona
              Mohammed
                                                            9591670037
                                                                            8692866852988885
 Anushka
               Sharma
                              sharmaanushka@gmail.com
                                                            9902432497
                                                                            4464474850275292
 Kamala
               Raghavendran
                              kamalag@gmail.com
                                                            9594390037
                                                                            5954130176674979
 Janice
                              janicefernandes@gmail.com
                                                            9325880785
              Fernandes
                                                                            3594888552401348
20 rows in set (0.001 sec)
```

2. Display the details of the Theatre (name and location) based on the screen ID.

MariaDB [movies]> SELECT Name\_of\_Theatre, Area, Screen\_ID FROM Theatre as t Left JOIN Screen as s On t.Theatre\_ID = s.Theatre\_ID;

Name_of_Theatre	+   Area	++   Screen_ID
PVR Cinemas	   Koramangala, Bangalore	++   T011
PVR Cinemas	Koramangala, Bangalore	
INOX Movies	Katpadi, Vellore	T012
INOX Movies	Katpadi, Vellore	T021
Cinepolis	Meera Marg, Gurgaon	T013
Cinepolis	Meera Marg, Gurgaon	T022
PVR Cinemas	Hindmata, Parel	T023
3D Halls	Citylight, Matunga	T024
PVR Cinemas	Highstreet, Parel	T031
PVR Cinemas	Highstreet, Parel	T033
Cinepolis	Khodadad, Dadar	T032
3D Halls	Hutatma, Varanasi	T034
INOX Movies	St Mary, New Delhi	T029
INOX Movies	St Mary, New Delhi	T035
Dolby Halls	Xperia Mall, lodha	T020
Dolby Halls	Xperia Mall, lodha	T040
PVR Cinemas	Gawangaon, Wadala	NULL
Cinepolis	Lalbagh, Delhi	T042
3D Halls	Shastrinagar, Nashik	T030
Dolby Halls	Delite, Delhi	NULL
PVR Cinemas	Kalakilla, Dharavi	NULL
INOX Movies	Bimbisar, Goregaon	NULL
Cinepolis	Marol, Andheri	NULL
3D Halls	Agarwal, Mulund	NULL
Dolby Halls	Gaur, Noida	T038
Dolby Halls	Gaur, Noida	T039
Dolby Halls	Vetrri, Chennai	NULL

SELECT Name\_On\_Card, Card\_Number, Total\_Cost, Ticket\_ID FROM Booking as b

INNER JOIN Ticket as t

ON b.Booking\_ID = t.Booking\_ID

Name_On_Card	Card_Number	Total_Cost	Ticket_ID		
Amit Sinha	   1100946878185874	 2550	G0009SHT0110001		
Amit Sinha	1303333985175724	1400	S0053SHT0120001		
Raghav Seth	4600867746277489	1750	S0053SHT0110001		
Raghav Seth	4600867746277489	1750	S0054SHT0110001		
Raghav Seth	6289359508592847	350	S0033SHT0120001		
Joy Mathew	5721854946735779	3300	G0007SHT0110001		
Ajay Kumar	1715568540234971	1050	S0043SHT0110001		
Vikram Joshi	6700075718329514	1800	G0020SHT0110001		
Komal Agarwal	5558062060974207	2100	S0049SHT0110001		
Maitri Shah	6369517485040577	1500	G0011SHT0110001		
Shreya Rathod	4294259470224084	1400	S0049SHT0120001		
Aditya Rajesh	7022580821560455	1400	S0057SHT0120001		
Keerti Srivatsan	5082598172257230	1850	G0004SHT0110001		
Keerti Srivatsan	8882135475839272	1400	S0031SHT0120001		
Rahul Raghav	2170648806526324	3350	G0015SHT0110001		
Rahul Raghav	7438443760955261	2100	S0040SHT0120001		
Mona Mohammed	5396417845824659	350	S0040SHT0110001		
Mona Mohammed	8692866852988885	1400	S0044SHT0120001		
Anushka Sharma	4464474850275292	2650	G0015SHT0120001		
Kamala Raghavendran	5954130176674979	2300	G0019SHT0120001		
Janice Fernandes	3594888552401348	2100	S0059SHT0110001		
Janice Fernandes	3594888552401348	2100	S0060SHT0110001		
++ 22 rows in set (0.001 sec)					