



Movie Insider

IST659-M004
Jingxian Sun
Harper He



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Project Introduction

- A database with **theatrical information** in Syracuse
- Currently covers 5 movies with **18 filmography entries**
- A **one-stop online** portal
- Primary users: theatre managers & film studio representatives

Entity and Attribute Table

1. Theatre – This entity captures information about the theatres that show and schedule movies.

Entity Name: Theatre	Attribute Name	Field Type	Null/Not Null	Explanation
Primary Key	theatre_id	INT	Not Null	Unique identifier of the theatre
Other Attributes	theatre_name	VARCHAR(50)	Not Null	Name of the theatre
	theatre_streetno	VARCHAR(5)	Not Null	Address information about the theatre
	theatre_streetname	VARCHAR(50)	Not Null	
	theatre_city	VARCHAR(50)	Not Null	
	theatre_state	CHAR(2)	Not Null	
	theatre_zip	VARCHAR(10)	Not Null	
	theatre_rating	NUM	Null	The rating of the scale is 1 to 5 a data is from Google Map
	theatre_website	VARCHAR(50)	Not Null	Official website of the theatre
	theatre_phone	VARCHAR(20)	Not Null	Phone number of the theatre
	theatre_opentime	VARCHAR(100)	Not Null	Open time of the theatre

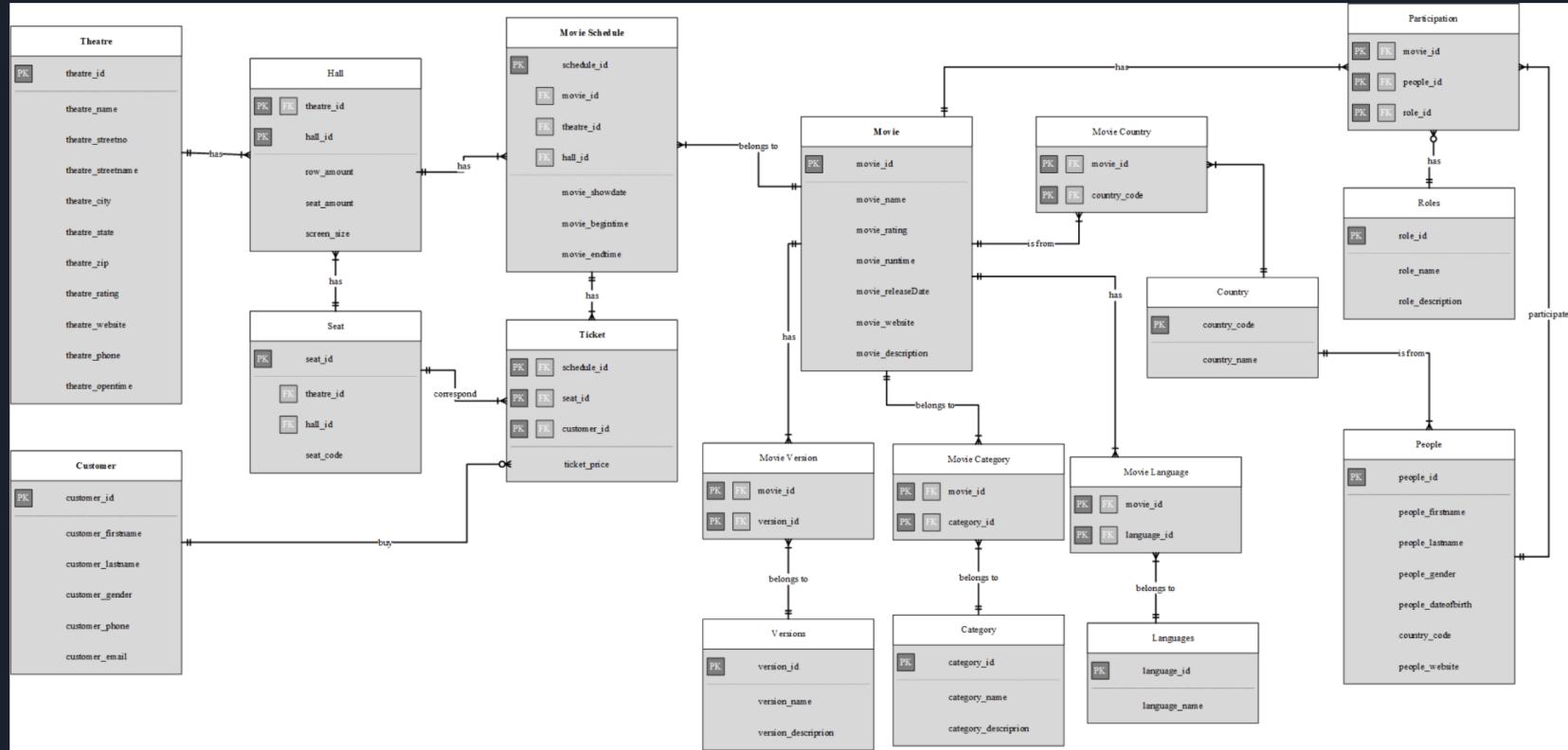
2. Hall – This entity captures information about the halls of different theatres that show movies.

Entity Name: Hall	Attribute Name	Field Type	Null/Not Null	Explanation
Primary Key	hall_id	INT	Not Null	Unique identifier of the hall
Other Attributes	seat_amount	INT	Not Null	The number of seats in a hall
	screen_size	VARCHAR(20)	Null	The size of the screen in the hall
	row_amount	INT	Not Null	The number of rows in a hall
Primary Key, Foreign Key	theatre_id	INT	Not Null	Primary key associated with Theatre Entity.

3. Movie – This entity captures information about the movies that are shown in theatres.

Entity Name: Movie	Attribute Name	Field Type	Null/Not Null	Explanation
Primary Key	movie_id	INT	Not Null	Unique identifier of the movie

Entity Relationship Diagram



Major Data Questions

1.No. of halls of each theatre

```
820  
821 SELECT th.theatre_name, COUNT(Hall.hall_id) AS 'number of halls'  
822 FROM Theatre as th  
823 JOIN Hall  
824 ON th.theatre_id=Hall.theatre_id  
825 GROUP BY th.theatre_id, th.theatre_name  
826  
827  
828
```

100 % <

Results Messages

	theatre_name	number of halls
1	AMC Theatres	4
2	Regal Entertainment Group	3
3	Cinemark	3
4	Marcus Theatres	4

Major Data Questions

2.What movies did a particular customer watch?

```
720 -- How many movies do a particular customer watch
721 select t1.customer_firstname,t1.customer_lastname,t5.theatre_name,t4.movie_name, t3.movie_showdate,t3.movie_begintime,t3.movie_endtime
722 FROM Customers t1
723 Full Outer Join Ticket t2
724 ON t1.customer_id = t2.customer_id
725 Full Outer Join Movie_schedule t3
726 ON t3.schedule_id = t2.schedule_id
727 Full Outer Join Movie t4
728 ON t4.movie_id = t3.movie_id
729 FULL OUTER JOIN Theatre t5
730 ON t3.theatre_id = t5.theatre_id
731 Where t1.customer_firstname = 'Gladys' AND t1.customer_lastname='Rim';
732
```

100 %

Results Messages

	customer_firstname	customer_lastname	theatre_name	movie_name	movie_showdate	movie_begintime	movie_endtime
1	Gladys	Rim	Cinemark	The Square	2018-11-10	14:10:00.0000000	16:41:00.0000000
2	Gladys	Rim	Regal Entertainment Group	The Grand Budapest Hotel	2018-11-11	11:30:00.0000000	13:09:00.0000000

Major Data Questions

3. How many schedules does a theatre arrange on average during a certain period?

```
585 SELECT T.theatre_name, COUNT(schedule_id) as 'total number of schedules'  
586 FROM Movie_schedule ms  
587 Full Outer Join Theatre T  
588 ON ms.theatre_id = t.theatre_id  
589 Group by T.theatre_name  
590  
591 SELECT avg(a.cnt) as 'Average amount of schedule of all the theaters'  
592 FROM (  
593     SELECT COUNT(schedule_id) as cnt  
594         FROM Movie_schedule  
595         Group by theatre_id  
596 ) as a;  
597
```

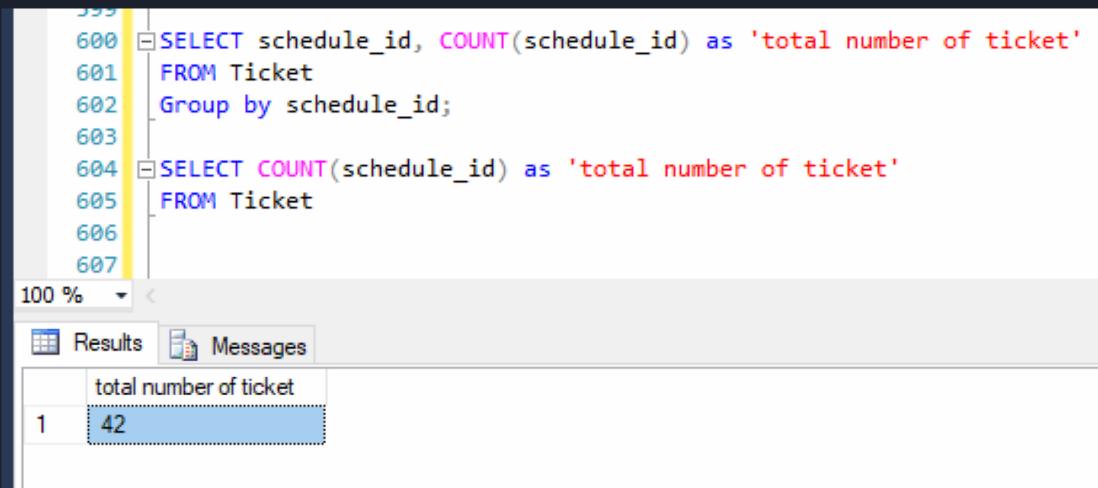
100 % < Results Messages

	theatre_name	total number of schedules
1	AMC Theatres	12
2	Cinemark	9
3	Marcus Theatres	12
4	Regal Entertainment Group	9

	Average amount of schedule of all the theaters
1	10

Major Data Questions

4. How many tickets have been sold for all the theatres over a period of time?



The screenshot shows a SQL query editor with two queries and their results.

```
599  
600 SELECT schedule_id, COUNT(schedule_id) as 'total number of ticket'  
601 FROM Ticket  
602 Group by schedule_id;  
603  
604 SELECT COUNT(schedule_id) as 'total number of ticket'  
605 FROM Ticket  
606  
607
```

The Results tab displays the following table:

	total number of ticket
1	42

Major Data Questions

5.What are the peak hours for customers to watch movies?

```
699 | CREATE VIEW MorningTicketSold AS
700 | SELECT SUM(t2.ticket_sold) AS morning_ticket_sold
701 | FROM
702 | (SELECT ms.movie_begintime, SUM(ti.ticket_sold) AS ticket_sold
703 | FROM Movie_schedule AS ms
704 | JOIN
705 | (SELECT ti.schedule_id, COUNT(ti.schedule_id) AS ticket_sold
706 | FROM Ticket AS ti
707 | GROUP BY ti.schedule_id) t1
708 | ON ms.schedule_id = t1.schedule_id
709 | WHERE CAST(ms.movie_begintime AS TIME) BETWEEN '06:00' AND '12:00'
710 | GROUP BY ms.movie_begintime) t2)
711 |
712 |
713 | CREATE VIEW AfternoonTicketSold AS
714 | SELECT SUM(t2.ticket_sold) AS afternoon_ticket_sold
715 | FROM
716 | (SELECT ms.movie_begintime, SUM(ti.ticket_sold) AS ticket_sold
717 | FROM Movie_schedule AS ms
718 | JOIN
719 | (SELECT ti.schedule_id, COUNT(ti.schedule_id) AS ticket_sold
720 | FROM Ticket AS ti
721 | GROUP BY ti.schedule_id) t1
722 | ON ms.schedule_id = t1.schedule_id
723 | WHERE CAST(ms.movie_begintime AS TIME) BETWEEN '12:00' AND '18:00'
724 | GROUP BY ms.movie_begintime) t2)
725 |
726 | CREATE VIEW EveningTicketSold AS
727 | SELECT SUM(t2.ticket_sold) AS evening_ticket_sold
728 | FROM
729 | (SELECT ms.movie_begintime, SUM(ti.ticket_sold) AS ticket_sold
730 | FROM Movie_schedule AS ms
731 | JOIN
732 | (SELECT ti.schedule_id, COUNT(ti.schedule_id) AS ticket_sold
733 | FROM Ticket AS ti
734 | GROUP BY ti.schedule_id) t1
735 | ON ms.schedule_id = t1.schedule_id
736 | WHERE CAST(ms.movie_begintime AS TIME) BETWEEN '18:00' AND '23:59'
737 | GROUP BY ms.movie_begintime) t2)
738 |
739 | SELECT * FROM MorningTicketSold
740 | SELECT * FROM AfternoonTicketSold
741 | SELECT * FROM EveningTicketSold
```

Results	
momning_ticket_sold	
1	11
afternoon_ticket_sold	
1	20
evening_ticket_sold	
1	11

Major Data Questions

6.Popularity of different types of movies

```
672
673 -- Popularity of different types of movies
674 CREATE VIEW PopularCategory AS(
675   SELECT ca.category_name, SUM(t3.ticket_sold) AS ticket_sold
676   FROM Category AS ca
677   JOIN
678     (SELECT mc.category_id, SUM(t2.ticket_sold) AS ticket_sold
679      FROM Movie_category AS mc
680      JOIN
681        (SELECT ms.movie_id, SUM(t1.ticket_sold) AS ticket_sold
682          FROM Movie_schedule AS ms
683          JOIN
684            (SELECT ti.schedule_id, COUNT(ti.schedule_id) AS ticket_sold
685              FROM Ticket AS ti
686              GROUP BY ti.schedule_id) t1
687              ON ms.schedule_id = t1.schedule_id
688              GROUP BY ms.movie_id) t2
689              ON mc.movie_id = t2.movie_id
690              GROUP BY mc.category_id) t3
691              ON ca.category_id = t3.category_id
692              GROUP BY ca.category_id, ca.category_name, ca.category_description)
693
694   SELECT * FROM PopularCategory
695
```

	category_name	ticket_sold
1	Drama	42
2	Biography	9
3	History	9
4	Comedy	26
5	Adventure	10
6	Thriller	6

Major Data Questions

7. Movies of what languages were shown?

```
790 CREATE VIEW PopularLanguage AS(
791     SELECT la.language_name, SUM(t3.ticket_sold) AS ticket_sold
792     FROM Languages AS la
793     JOIN
794         (SELECT mol.language_id, SUM(t2.ticket_sold) AS ticket_sold
795          FROM Movie_language AS mol
796         JOIN
797             (SELECT ms.movie_id, SUM(t1.ticket_sold) AS ticket_sold
798              FROM Movie_schedule AS ms
799             JOIN
800                 (SELECT ti.schedule_id, COUNT(ti.schedule_id) AS ticket_sold
801                   FROM Ticket AS ti
802                   GROUP BY ti.schedule_id) t1
803                 ON ms.schedule_id = t1.schedule_id
804                 GROUP BY ms.movie_id) t2
805                 ON mol.movie_id = t2.movie_id
806                 GROUP BY mol.language_id) t3
807                 ON la.language_id = t3.language_id
808                 GROUP BY la.language_id, la.language_name
809             )
810             SELECT * FROM PopularLanguage
811
```

The screenshot shows a database query results window with two tabs: 'Results' and 'Messages'. The 'Results' tab is active, displaying a table with one column labeled 'language_name'. The data consists of 8 rows, each containing a language name and a corresponding number from 1 to 8. The languages listed are English, Mandarin, Japanese, Swedish, Danish, French, German, and Spanish.

	language_name
1	English
2	Mandarin
3	Japanese
4	Swedish
5	Danish
6	French
7	German
8	Spanish

Major Data Questions

8. Movies of what countries were shown?

```
767 | SELECT co.country_code, co.country_name, SUM(t3.ticket_sold) AS ticket_sold
768 | FROM Country AS co
769 | JOIN
770 |   (SELECT mco.country_code, SUM(t2.ticket_sold) AS ticket_sold
771 |    FROM Movie_country AS mco
772 |    JOIN
773 |      (SELECT ms.movie_id, SUM(t1.ticket_sold) AS ticket_sold
774 |       FROM Movie_schedule AS ms
775 |       JOIN
776 |         (SELECT ti.schedule_id, COUNT(ti.schedule_id) AS ticket_sold
777 |          FROM Ticket AS ti
778 |          GROUP BY ti.schedule_id) t1
779 |        ON ms.schedule_id = t1.schedule_id
780 |        GROUP BY ms.movie_id) t2
781 |        ON mco.movie_id = t2.movie_id
782 |        GROUP BY mco.country_code) t3
783 |      ON co.country_code = t3.country_code
784 |      GROUP BY co.country_code, co.country_name
785 |      ORDER BY SUM(t3.ticket_sold) DESC
786 | 
```

	country_code	country_name	t
1	1	USA	
2	49	Germany	
3	33	France	
4	45	Denmark	
5	46	Sweden	
6	39	Italy	
7	44	UK	
8	86	China	
9	34	Spain	
10	54	Argentina	

Interfaces

Two types of log in

Are you theatre managers or film studio staffs?

Theatre Manager

Film Studio

Theatre Manager Log-In

Log In ID

Password

OK Cancel

Film Studio Log-In

Log In ID

Password

OK Cancel

Interfaces - Theatre Manager

Navigation Page

Welcome! Theatre Manager

Movie Details

Hall Schedules

Customer Details

Movie Details

Select a movie: Manchester by the sea

movie_name	Manchester by the sea
movie_rating	7.8
movie_runtime	137 min
movie_releaseDate	2016-12-16
movie_website	https://www.imdb.com/title/tt4034228/
movie_description	Lee Chandler is a brooding,

Cast

role_name	people_firstname	people_lastname	people_gender	people_dateofbirth
Director	Joe	Stockham	male	1964-10-11
Producer	Lisha	Centini	female	1974-05-18
Actor	Chin-Sun	Kim	male	1976-08-25
Screenwriter	Timothy	Mulqueen	male	1965-09-08

Record: 1 of 4 No Filter Search

Category Version

category_name	version_name
---------------	--------------

Interfaces - Theatre Manager

Movie Details

Movie Details

movie_name	The Square
movie_id	3
movie_name	The Square
movie_rating	7.3
movie_runtime	151 min
movie_releaseDate	2017-08-25
movie_website	https://www.imdb.com/title/tt4995790/
movie_description	A prestigious Stockholm mu

Cast

role_name	people_firstname	people_lastname	people_gender	people_dateofbirth
Director	Malinda	Hochard	female	1970-08-19
Screenwriter	Elza	Lipke	female	1980-02-23
Producer	Josephine	Darakjy	male	1964-10-08
Actor	Leota	Dilliard	female	1961-07-17

Record: 1 of 4

Category

category_name
Drama
Comedy
*

Record: 1 of 2

Version

version_name
2D
*

Record: 1 of 1

Country

country_name
France
Denmark
Sweden
Germany
*

Record: 1 of 4

Language

language_name
English
Swedish
Danish
*

Record: 1 of 3

Interfaces - Theatre Manager

Hall Schedules

Hall Details

Theatre Name	AMC Theatres	Add
Theatre id	1	
Hall Id	1	Delete
Row Amount	5	
Seat Amount	50	
Screen Size	52 by 72 feet	

Hall Schedules

schedule_id	movie_id	theatre_id	hall_id	movie_showtime	movie_begintime	movie_endtime
1	1	1	1	2018-11-10	10:10:00.0000000	12:27:00.000
2	2	1	2	2018-11-10	09:15:00.0000000	11:58:00.000
3	3	1	3	2018-11-10	14:20:00.0000000	16:51:00.000
4	4	1	4	2018-11-10	16:05:00.0000000	17:44:00.000
15	4	1	1	2018-11-11	21:00:00.0000000	22:39:00.000
16	2	1	2	2018-11-11	17:30:00.0000000	20:13:00.000
17	4	1	3	2018-11-11	21:20:00.0000000	22:59:00.000
18	3	1	4	2018-11-11	14:10:00.0000000	16:41:00.000
29	2	1	1	2018-11-12	17:00:00.0000000	19:43:00.000

theatre_id	hall_id	row_amount	seat_amount	screen_size	Click to Add
1	1	5	50	52 by 72 feet	
1	2	5	50	42 by 72 feet	
1	3	5	50	52 by 62 feet	
1	4	5	50	50 by 62 feet	
2	1	5	50	53 by 72 feet	
2	2	5	50	54 by 71 feet	
2	3	5	50	55 by 70 feet	
3	1	5	50	56 by 69 feet	
3	2	5	50	57 by 68 feet	
3	3	5	50	58 by 67 feet	
4	1	5	50	59 by 66 feet	
4	2	5	50	60 by 66 feet	
4	3	5	50	61 by 70 feet	
4	4	5	50	69 by 72 feet	
5	1	11	50		
*					

Interfaces - Theatre Manager

Customer Details

Customers Details

Theatre Name	AMC Theatres	<input type="button" value="Add Customer"/>																		
Customer Id	1	<input type="button" value="Delete Customer"/>																		
Customer Firstname	Kris																			
Customer Lastname	Marrier																			
Customer Gender	male																			
Customer Phone	410-655-8723																			
Customer Email	kris@gmail.com																			
Movie Schedule	<table border="1"><thead><tr><th>movie_name</th><th>theatre_name</th><th>hall_ic</th><th>movie_show</th><th>movie_begintime</th><th>seat</th></tr></thead><tbody><tr><td>manchester by the sea</td><td>AMC Theatres</td><td>1</td><td>2018-11-10</td><td>0:10:00.0000000</td><td>A1</td></tr><tr><td>The Last Emperor</td><td>AMC Theatres</td><td>1</td><td>2018-11-12</td><td>17:00:00.0000000</td><td>A5</td></tr></tbody></table>		movie_name	theatre_name	hall_ic	movie_show	movie_begintime	seat	manchester by the sea	AMC Theatres	1	2018-11-10	0:10:00.0000000	A1	The Last Emperor	AMC Theatres	1	2018-11-12	17:00:00.0000000	A5
movie_name	theatre_name	hall_ic	movie_show	movie_begintime	seat															
manchester by the sea	AMC Theatres	1	2018-11-10	0:10:00.0000000	A1															
The Last Emperor	AMC Theatres	1	2018-11-12	17:00:00.0000000	A5															

Record: 1 of 2

new_Customers		dbo_Customers				
customer_ic	customer_fn	customer_ln	customer_ge	customer_pl	customer_email	Click to Add
1	Kris	Marrier	male	410-655-8723	kris@gmail.com	<input type="button" value="Click to Add"/>
2	Minna	Amigon	female	215-874-1229	minna_amigon	<input type="button" value="Click to Add"/>
3	Cammy	Albares	male	956-537-6195	calbares@gmail.com	<input type="button" value="Click to Add"/>
4	Alisha	Slusarski	female	732-658-3154	alisha@slusarski.com	<input type="button" value="Click to Add"/>
5	Lenna	Paprocki	female	907-385-4412	lpaprocki@hotmail.com	<input type="button" value="Click to Add"/>
6	Donette	Foller	male	513-570-1893	donette.foller@gmail.com	<input type="button" value="Click to Add"/>
7	Simona	Morasca	female	419-503-2484	simona@mora.com	<input type="button" value="Click to Add"/>
8	Sage	Wieser	male	605-414-2147	sage_wieser@yahoo.com	<input type="button" value="Click to Add"/>
9	Kiley	Caldarera	female	310-498-5651	kiley.caldarera@gmail.com	<input type="button" value="Click to Add"/>
10	Gladys	Rim	female	414-661-9598	gladys.rim@rir.com	<input type="button" value="Click to Add"/>
11	Valentine	Gillian	male	210-812-9597	valentine_gilliam@gmail.com	<input type="button" value="Click to Add"/>
12	Erick	Ferencz	male	907-741-1044	erick.ferencz@gmail.com	<input type="button" value="Click to Add"/>
13	Jina	Brid	female	617-399-5124	jina_brid@bridgeman.com	<input type="button" value="Click to Add"/>
14	Amber	Monarrez	female	215-934-8655	amber_monarrez@gmail.com	<input type="button" value="Click to Add"/>
15	Karl	Klonowski	male	908-877-6135	karl_klonowski@gmail.com	<input type="button" value="Click to Add"/>
16	Lily	Rose	Female	315000000	lily.rose@outlook.com	<input type="button" value="Click to Add"/>

Interfaces - Film Studio

Navigation Page

Welcome! Film Studio

People Details Movie Details Movies On Show Movie box office by date Movie box by theatre People's box office appeal

People Details

Select a person Viva

people_id 6

people_firstname Viva

people_lastname Toelkes

people_gender female

people_dateofbirth 1968-08-10

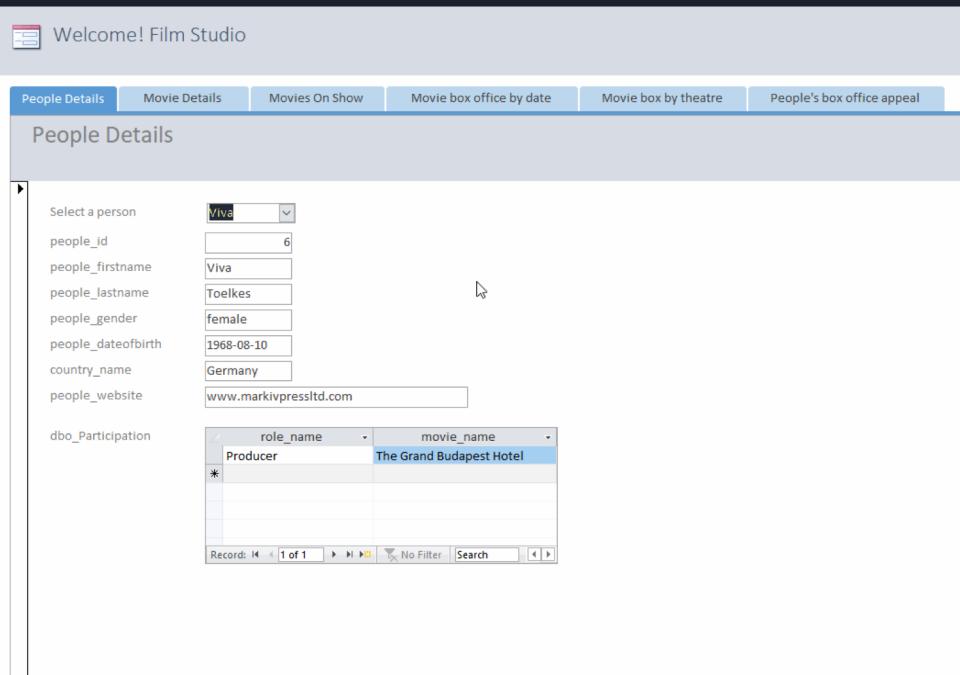
country_name Germany

people_website www.markivpressltd.com

dbo_Participation

role_name	movie_name
Producer	The Grand Budapest Hotel
*	

Record: 14 < 1 of 1 > >> No Filter Search <>



Interfaces - Film Studio

People Details

People Details

Select a person

people_id	6
people_firstname	Viva
people_lastname	Toelkes
people_gender	female
people_dateofbirth	1968-08-10
country_name	Germany
people_website	www.markivpressltd.com

dbo_Participation

role_name	movie_name
Producer	The Grand Budapest Hotel
*	

Record: 1 of 1 No Filter Search

Interfaces - Film Studio

Movie Details

Movie Details

movie_name	The Square
movie_id	3
movie_name	The Square
movie_rating	7.3
movie_runtime	151 min
movie_releaseDate	2017-08-25
movie_website	https://www.imdb.com/title/tt4995790/
movie_description	A prestigious Stockholm mu

Cast

role_name	people_firstname	people_lastname	people_gender	people_dateofbirth
Director	Malinda	Hochard	female	1970-08-19
Screenwriter	Elza	Lipke	female	1980-02-23
Producer	Josephine	Darakjy	male	1964-10-08
Actor	Leota	Dilliard	female	1961-07-17

Record: 1 of 4 | No Filter | Search

Category

category_name
Drama
Comedy
*

Record: 1 of 2 | No Filter | Search

Version

version_name
2D
*

Record: 1 of 1 | No Filter | Search

Country

country_name
France
Denmark
Sweden
Germany
*

Record: 1 of 4 | No Filter | Search

Language

language_name
English
Swedish
Danish
*

Record: 1 of 3 | No Filter | Search

Interfaces - Film Studio

Movie On Show

Movie on Show

Select a movie

movie_id

movie_name

movie_runtime

Movie_schedule subform

movie_showdate	theatre_name	hall_id	movie_begintime	movie_endtime
2018-11-10	AMC Theatres	1	10:10:00.0000000	12:27:00.0000000
2018-11-10	Cinemark	2	20:20:00.0000000	22:37:00.0000000
2018-11-10	Marcus Theatres	4	11:20:00.0000000	13:37:00.0000000
2018-11-11	Marcus Theatres	1	11:15:00.0000000	13:32:00.0000000
2018-11-12	Regal Entertainment Group	3	17:00:00.0000000	19:17:00.0000000
2018-11-12	Marcus Theatres	2	13:20:00.0000000	15:37:00.0000000
2018-11-12	Marcus Theatres	4	08:30:00.0000000	10:47:00.0000000
*				

Record: 1 of 7

Interfaces - Film Studio

Movie box office by date

Movie Box Office by Data

Select a movie: Manchester by the sea

Select a date: 2018-11-12

movie_name: Manchester by the sea

movie_showdate: 2018-11-12

Movie box office by theatre

theatre_name	ticket_sold
Marcus Theatres	2
Regal Entertainment Group	1

Record: 1 of 2 | No Filter | Search

The screenshot displays a software application window titled "Movie Box Office by Data". At the top, there are two dropdown menus: "Select a movie" containing "Manchester by the sea" and "Select a date" containing "2018-11-12". Below these are two text input fields: "movie_name" and "movie_showdate", both showing "Manchester by the sea" and "2018-11-12" respectively. A section titled "Movie box office by theatre" contains a table with two rows. The first row has "Marcus Theatres" in the "theatre_name" column and "2" in the "ticket_sold" column. The second row has "Regal Entertainment Group" in the "theatre_name" column and "1" in the "ticket_sold" column. At the bottom of the window, there is a navigation bar with "Record: 1 of 2", "No Filter", and "Search" buttons.

Interfaces - Film Studio

Movie box office by theatre

Movie box by theatre

Select a movie: The Grand Budapest Hotel

Select a theatre: Marcus Theatres

movie_name: Manchester by the sea

theatre_name: Marcus Theatres

Movie box office by date

movie_show	CountOfseat
2018-11-10	1
2018-11-11	1
2018-11-12	2

Record: 1 of 3 | No Filter | Search

Interfaces - Film Studio

People's box office appeal

The image shows two identical user interface panels side-by-side, both titled "People's box office appeal".

Left Panel:

- Select a person:** A dropdown menu is open, showing a list of names. "Elza" is selected. Other names listed are Jose, Kanisha, Emerson, Stephaine, Viva, Malinda, Natalie, Art, Wen, Leota, and Abel.
- Text fields:** `dbo_People.people_id` contains "Elza", `people_firstname` contains "Lipke".
- Form fields:** `people_lastname` is empty, `people_gender` is empty, `people_dateofbirth` contains "1980-02-23", `country_name` is empty, and `people_website` contains "www.museumofscienceindustry.com".
- Table:** A table titled "Box office of the movies he/she participates" shows one record:

movie_name	role_name	CountOfseat
The Square	Screenwriter	10
- Navigation:** Record: 1 of 1, No Filter, Search.

Right Panel:

- Select a person:** A dropdown menu is open, showing a list of names. "Elza" is selected. Other names listed are Jose, Kanisha, Emerson, Stephaine, Viva, Malinda, Natalie, Art, Wen, Leota, and Abel.
- Text fields:** `dbo_People.people_id` contains "11", `people_firstname` contains "Elza", `people_lastname` contains "Lipke", `people_gender` contains "female".
- Form fields:** `people_dateofbirth` is empty, `country_name` contains "Germany", and `people_website` contains "www.museumofscienceindustry.com".
- Table:** A table titled "Box office of the movies he/she participates" shows one record:

movie_name	role_name	CountOfseat
The Square	Screenwriter	10
- Navigation:** Record: 1 of 1, No Filter, Search.

Report

Report 1 :

No. of halls of each theatre

Hall in each Theatre

theatre_name	theatre_rating	hall_id	row_amount	seat_amount	screen_size
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AMC Theatres

4.8

1	5	50	52 by 72 feet
2	5	50	42 by 72 feet
3	5	50	52 by 62 feet
4	5	50	50 by 62 feet

Cinemark

3.8

1	5	50	56 by 69 feet
2	5	50	57 by 68 feet
3	5	50	58 by 67 feet

Marcus Theatres

4.6

1	5	50	59 by 66 feet
2	5	50	60 by 66 feet
3	5	50	61 by 70 feet
4	5	50	69 by 72 feet

Regal Entertainment Group

4.5

1	5	50	53 by 72 feet
2	5	50	54 by 71 feet
3	5	50	55 by 70 feet

Report

Report 2 : Schedule report - by halls

Theatre Movie Schedule Report

Theatre Name	Hall	Showdate	Begintime	Endtime	Movie Name
AMC Theatres	1	2018-11-10	10:10:00.0000000	12:27:00.0000000	manchester by the sea
		2018-11-11	21:00:00.0000000	22:39:00.0000000	The Grand Budapest Hotel
	2	2018-11-12	17:00:00.0000000	19:43:00.0000000	The Last Emperor
AMC Theatres	2	2018-11-10	09:15:00.0000000	11:58:00.0000000	The Last Emperor
		2018-11-11	17:30:00.0000000	20:13:00.0000000	The Last Emperor
	3	2018-11-12	16:05:00.0000000	18:07:00.0000000	Relatos salvajes
AMC Theatres	3	2018-11-10	14:20:00.0000000	16:51:00.0000000	The Square
		2018-11-11	21:20:00.0000000	22:59:00.0000000	The Grand Budapest Hotel
	4	2018-11-12	11:15:00.0000000	13:46:00.0000000	The Square
AMC Theatres	4	2018-11-10	16:05:00.0000000	17:44:00.0000000	The Grand Budapest Hotel
		2018-11-11	14:10:00.0000000	16:41:00.0000000	The Square
	5	2018-11-12	21:10:00.0000000	23:12:00.0000000	Relatos salvajes
Regal Entertainment Group	1	2018-11-10	13:15:00.0000000	15:58:00.0000000	The Last Emperor
		2018-11-11	10:15:00.0000000	12:17:00.0000000	Relatos salvajes
	2	2018-11-12	09:00:00.0000000	11:43:00.0000000	The Last Emperor
Regal Entertainment Group	2	2018-11-10	15:20:00.0000000	17:51:00.0000000	The Square
		2018-11-11	11:30:00.0000000	13:09:00.0000000	The Grand Budapest Hotel
	3	2018-11-12	15:15:00.0000000	16:54:00.0000000	The Grand Budapest Hotel
Regal Entertainment Group	3	2018-11-10	16:45:00.0000000	18:24:00.0000000	The Grand Budapest Hotel
		2018-11-11	09:20:00.0000000	12:03:00.0000000	The Last Emperor
	4	2018-11-12	17:00:00.0000000	19:17:00.0000000	manchester by the sea

Cinemark	1	2018-11-10	18:30:00.0000000	21:13:00.0000000	The Last Emperor
		2018-11-11	15:10:00.0000000	17:12:00.0000000	Relatos salvajes
		2018-11-12	13:10:00.0000000	15:12:00.0000000	Relatos salvajes
Cinemark	2	2018-11-10	20:20:00.0000000	22:37:00.0000000	manchester by the sea
		2018-11-11	20:15:00.0000000	22:46:00.0000000	The Square
		2018-11-12	11:15:00.0000000	12:54:00.0000000	The Grand Budapest Hotel
Cinemark	3	2018-11-10	14:10:00.0000000	16:41:00.0000000	The Square
		2018-11-11	13:00:00.0000000	15:02:00.0000000	Relatos salvajes
		2018-11-12	18:20:00.0000000	20:51:00.0000000	The Square
Marcus Theatres	1	2018-11-10	13:15:00.0000000	14:54:00.0000000	The Grand Budapest Hotel
		2018-11-11	11:15:00.0000000	13:32:00.0000000	manchester by the sea
		2018-11-12	20:15:00.0000000	22:46:00.0000000	The Square
Marcus Theatres	2	2018-11-10	17:35:00.0000000	20:18:00.0000000	The Last Emperor
		2018-11-11	18:15:00.0000000	20:58:00.0000000	The Last Emperor
		2018-11-12	13:20:00.0000000	15:37:00.0000000	manchester by the sea
Marcus Theatres	3	2018-11-10	16:15:00.0000000	18:46:00.0000000	The Square
		2018-11-11	20:05:00.0000000	21:44:00.0000000	The Grand Budapest Hotel
		2018-11-12	19:05:00.0000000	20:44:00.0000000	The Grand Budapest Hotel
Marcus Theatres	4	2018-11-10	11:20:00.0000000	13:37:00.0000000	manchester by the sea
		2018-11-11	13:25:00.0000000	15:56:00.0000000	The Square
		2018-11-12	08:30:00.0000000	10:47:00.0000000	manchester by the sea

Report

Report 3 : Schedule report - by movies

Movies Shown Record within Three Days							
Movie Name	Movie Showdate	Movie Begintime					
manchester by the sea	2018-11-10	10:10:00.0000000	The Square	2018-11-12	14:10:00.0000000	AMC Theatres	4
		11:20:00.0000000			20:15:00.0000000	Cinemark	2
		20:20:00.0000000			11:15:00.0000000	AMC Theatres	3
manchester by the sea	2018-11-11	11:15:00.0000000	The Grand Budapest Hotel	2018-11-10	18:20:00.0000000	Cinemark	3
manchester by the sea	2018-11-12	08:30:00.0000000			20:15:00.0000000	Marcus Theatres	1
		13:20:00.0000000			13:15:00.0000000	Marcus Theatres	1
		17:00:00.0000000			16:05:00.0000000	AMC Theatres	4
The Last Emperor	2018-11-10	09:15:00.0000000	The Grand Budapest Hotel	2018-11-11	16:45:00.0000000	Regal Entertainment Group	3
		13:15:00.0000000			11:30:00.0000000	Regal Entertainment Group	2
		17:35:00.0000000			20:05:00.0000000	Marcus Theatres	3
		18:30:00.0000000			21:00:00.0000000	AMC Theatres	1
					21:20:00.0000000	AMC Theatres	3
The Last Emperor	2018-11-11	09:20:00.0000000	The Grand Budapest Hotel	2018-11-12	11:15:00.0000000	Cinemark	2
		17:30:00.0000000			15:15:00.0000000	Regal Entertainment Group	2
		18:15:00.0000000	Relatos salvajes	2018-11-11	19:05:00.0000000	Marcus Theatres	3
The Last Emperor	2018-11-12	09:00:00.0000000			10:15:00.0000000	Regal Entertainment Group	1
		17:00:00.0000000			13:00:00.0000000	Cinemark	3
					15:10:00.0000000	Cinemark	1
The Square	2018-11-10	14:10:00.0000000	Relatos salvajes	2018-11-12	13:10:00.0000000	Cinemark	1
		14:20:00.0000000			16:05:00.0000000	AMC Theatres	2
		15:20:00.0000000			21:10:00.0000000	AMC Theatres	4
		16:15:00.0000000					
The Square	2018-11-11	13:25:00.0000000	Monday, November 26, 2018				Page 1 of 1

Report

Report 4 : Customers' movie-watching behavior

Customers Movie Records					Sage	Wieser	2018-11-10	The Last Emperor	18:30:00.0000000	Cinemark	1
Kris	Marrier	2018-11-10	manchester by the sea	10:10:0	Kiley	Caldarera	2018-11-12	Relatos salvajes	15:10:00.0000000	Cinemark	1
		2018-11-12	The Last Emperor	17:00:0			2018-11-10	Relatos salvajes	13:10:00.0000000	Cinemark	1
Minna	Amigon	2018-11-10	The Last Emperor	09:15:0			2018-11-11	manchester by the sea	20:20:00.0000000	Cinemark	2
		2018-11-11	The Square	13:25:0	Gladys	Rim	2018-11-12	The Last Emperor	09:20:00.0000000	Regal Entertainment	3
		2018-11-12	Relatos salvajes	16:05:0			2018-11-10	The Grand Budapest Hotel	11:15:00.0000000	Cinemark	2
Cammy	Albares	2018-11-10	The Square	14:20:0	Valentine	Gillian	2018-11-11	The Square	14:10:00.0000000	Cinemark	3
		2018-11-11	The Grand Budapest Hotel	20:05:0			2018-11-11	The Grand Budapest Hotel	11:30:00.0000000	Regal Entertainment	2
		2018-11-12	The Square	11:15:0			2018-11-12	Relatos salvajes	10:15:00.0000000	Marcus Theatres	1
Alisha	Slusarski	2018-11-10	The Grand Budapest Hotel	16:05:0	Erick	Ferencz	2018-11-10	manchester by the sea	08:30:00.0000000	Marcus Theatres	1
		2018-11-11	The Last Emperor	18:15:0			2018-11-11	The Last Emperor	17:35:00.0000000	Marcus Theatres	2
		2018-11-12	Relatos salvajes	21:10:0			2018-11-11	The Square	14:10:00.0000000	AMC Theatres	4
Lenna	Paprocki	2018-11-10	The Last Emperor	13:15:0	Jina	Brid	2018-11-10	The Square	18:20:00.0000000	Cinemark	3
		2018-11-11	manchester by the sea	11:15:0			2018-11-12	The Square	16:15:00.0000000	Marcus Theatres	3
		2018-11-12	The Last Emperor	09:00:0			2018-11-11	The Grand Budapest Hotel	21:20:00.0000000	AMC Theatres	3
Donette	Foller	2018-11-10	The Square	15:20:0	Amber	Monarrez	2018-11-10	Relatos salvajes	20:15:00.0000000	Marcus Theatres	1
		2018-11-11	Relatos salvajes	13:00:0			2018-11-11	manchester by the sea	11:20:00.0000000	Marcus Theatres	4
		2018-11-12	The Grand Budapest Hotel	15:15:0	Karl	Klonowski	2018-11-12	The Last Emperor	17:30:00.0000000	AMC Theatres	2
Simona	Morasca	2018-11-10	The Grand Budapest Hotel	16:45:0			2018-11-11	manchester by the sea	13:20:00.0000000	Marcus Theatres	2
		2018-11-11	The Square	20:15:0			2018-11-12	The Grand Budapest Hotel	21:00:00.0000000	AMC Theatres	1
		2018-11-12	manchester by the sea	17:00:0	Monday, November 26, 2018						3



Thank you!

Q&A