

Cinema City

Movie Seat Reservation Database System

Information Management Lec 0900-1000 T-Th
(2020-2021-2-25011)

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Introduction

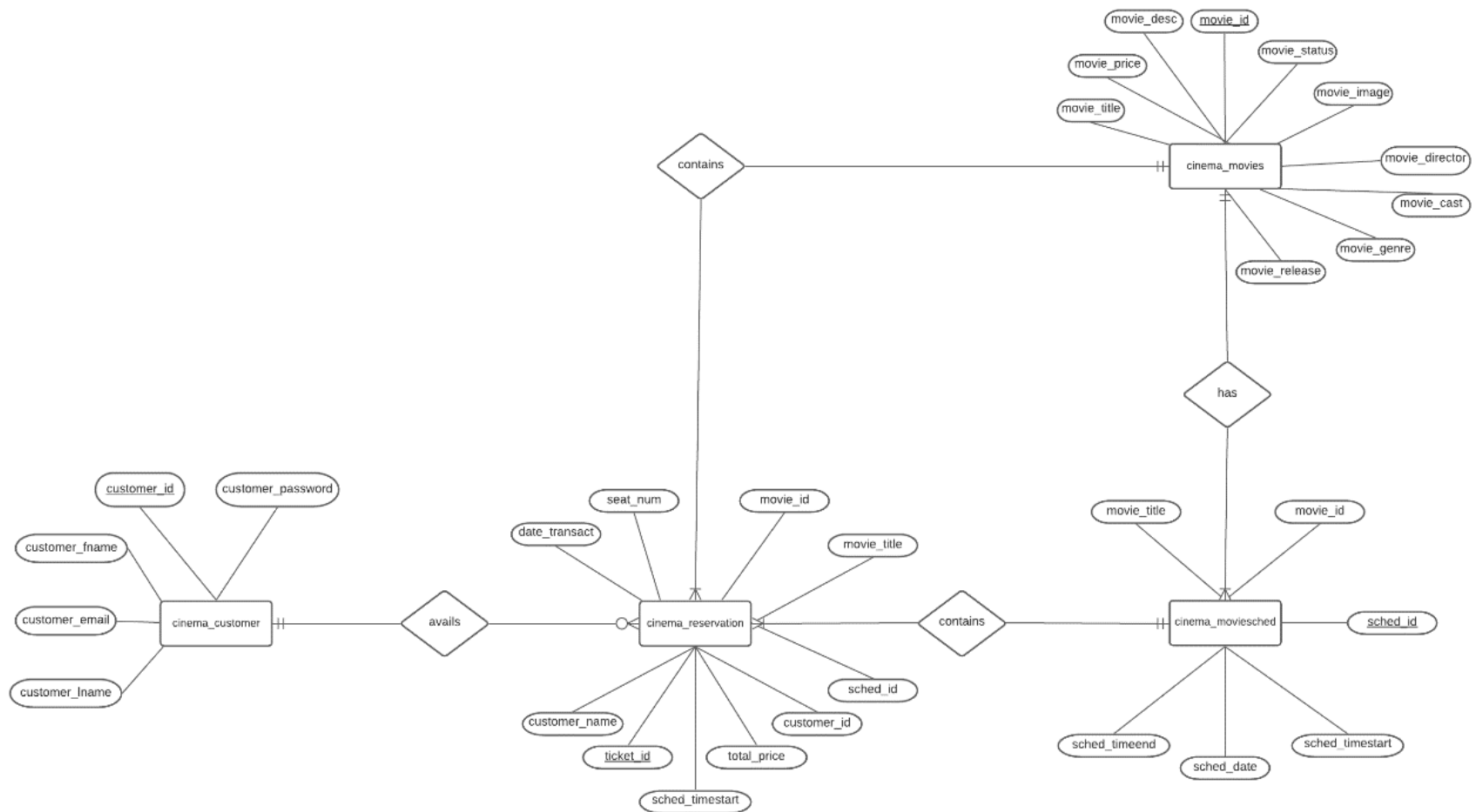
Cinema City is a database system that allows the clients to reserves seats in an easy quick few steps than traditional purchasing of tickets. The system has an own android application for the customers that allows them to reserves seats and purchase tickets in a convenient way, and a web admin panel that manages the movies they will show and sell to the customers, and also monitoring the sales of the business. This system will be appreciated by the cinema lovers because there is no need to fight for a great seat and no line queue to wait.

Objectives

The main objective of the system is to design, and implement an online movie seat reservation system. This system will achieve the following objectives:

- To be able to reserve great seats in our movie theatre, and select available movies.
- Good management of data from both users monitoring of sales and ticket sold
- Allows easy modification and both accounts
- To provide an anytime, nationwide service for the customers

ERD Diagram



Data Dictionary

Table name	Attribution name	Description	Content	Type	Format	Range	Required	PK or FK	FK reference table
cinema_customer	customer_id	Unique identifier for each customer	Customer ID	INT	99999		Y	PK	
	customer_email	Email address for each customer	Customer email	VARCHAR	xxxxxxxxxx	0-4000	Y		
	customer_fname	First name for each customer	Customer firstname	VARCHAR	xxxxxxxxxx	0-4000	Y		
	customer_lname	Last name for each customer	Customer lastname	VARCHAR	xxxxxxxxxx	0-4000	Y		
	customer_password	Password for each customer used for logging in	Customer password	VARCHAR	xxxxxxxxxx	0-4000	Y		
cinema_movies	movie_id	Unique identifier for each movie	Movie ID	INT	99999		Y	PK	
	movie_image	Image name for each movie	Movie Cover Image	VARCHAR	xxxxxxxxxx	0-4000	Y		
	movie_title	Title for each movie	Movie Title	VARCHAR	xxxxxxxxxx	0-4000	Y		
	movie_director	Director for each movie	Movie Director	VARCHAR	xxxxxxxxxx	0-4000	Y		
	movie_cast	Cast for each movie	Movie cast	VARCHAR	xxxxxxxxxx	0-4000	Y		
	movie_genre	genre(s) for each movie	Movie genre	VARCHAR	xxxxxxxxxx	0-4000	Y		
	movie_description	synopsis of each movie	Movie Synopsis	TEXT	xxxxxxxxxx	0-65535	Y		
	movie_release	Timestamp of releasing for each movie	Movie date release	TIMESTAMP	YYYY-MM-DD HH:MM:SS		Y		
	movie_price	Ticket Price for each movie	Movie price	DOUBLE	99999		Y		
	movie_status	Status for each movie (currently showing or not)	Movie showing status	TINYINT	0-1	0-255	Y		
cinema_moviesched	sched_id	Unique identifier for each schedule	Schedule Unique ID	INT	99999		Y	PK	
	movie_id	Unique identifier for each movie in schedule	Movie Uniqued ID	INT	99999		Y	FK	cinema_movie
	movie_title	Title for each movie in schedule	Movie Title	VARCHAR	xxxxxxxxxx	0-4000	Y		
	sched_date	Schedule of showing of the movie	Schedule Date showing	DATE	YYYY-MM-DD HH:MM:SS		Y		
	sched_timestart	Starting time of that schedule	Schedule starting time	TIME	HH:MM:SS		Y		
	sched_timeend	Ending time of that schedule	Schedule ending time	TIME	HH:MM:SS		Y		
cinema_reservation	ticket_id	Unique identifier for each ticket	Ticket unique ID	INT	99999		Y	PK	
	customer_id	Unique identifier for each customer	Customer ID	INT	99999		Y	FK	cinema_customer
	customer_name	Customer fullname that who reserves	Customer Fullname	VARCHAR	xxxxxxxxxx	0-4000	Y		
	movie_id	Unique identifier for each movie	Movie Unique ID	INT	99999		Y	FK	cinema_movie
	movie_title	Title for each movie	Movie Title	VARCHAR	xxxxxxxxxx	0-4000	Y		
	sched_id	Unique identifier for each schedule	Schedule Unique ID	INT	99999		Y	FK	cinema_schedule
	seat_num	Customer seat number reservation	Seat Number	INT	99999		Y		
	sched_timestart	Starting time of the reservation schedule	Schedule starting time	TIME	HH:MM:SS		Y		
	total_price	Total amount of the reservation	Total payment	DOUBLE	000001- 999999		Y		
	date_transact	Timestamp of the transaction of the customer	Transaction timestamp	TIMESTAMP	YY-MM-DD HH:MM:SS		Y		
cinema_admin	admin_id	Unique identifier for each admin	Admin ID	INT	99999		Y	PK	
	admin_email	Email address for each admin	Admin email	VARCHAR	xxxxxxxxxx	0-4000	Y		
	admin_fname	First name for each admin	Admin firstname	VARCHAR	xxxxxxxxxx	0-4000	Y		
	admin_lname	Last name for each admin	Admin lastname	VARCHAR	xxxxxxxxxx	0-4000	Y		
	admin_password	Password for each admin used for logging in	Admin password	VARCHAR	xxxxxxxxxx	0-4000	Y		

Table Records From Cinema City Database System

cinema_admin table

admin_id	admin_email	admin_fname	admin_lname	admin_password
1	teamspectra@gmail.com	John	Doe	21232f297a57a5a743894a0e4a801fc3
3	phroybudoy@gmail.com	Philip Roy	Perucho	9c711ab82db03126aa9f6fc49abbff1a
4	kervybudoy@gmail.com	Kervy	Mestiola	c7ed7fa3bf9994eec0e45bf797df4f51
5	robertcatacutan@gmail.com	Robert	Catacutan	7374de1eb1db05b45eb40ef9f73f4a03
6	carljohnson@hotmail.com	Carl	Johnson	1872dbdc20606b48c12630908cc778be
8	kickbuttowski@gmail.com	Kick	Buttowski	25f9e794323b453885f5181f1b624d0b

cinema_customer table

customer_id	customer_email	customer_fname	customer_lname	customer_password
1	dominicantigua@gmail.com	Dominic	Antigua	6d1dc9a73d4e92fbb7219c3f936e974d
2	phroybudoy@gmail.com	Philip Roy	Perucho	012d850444d7576b5635a51f98fff2bd
3	kervybudoy@gmail.com	Kervy	Mestiola	c7ed7fa3bf9994eec0e45bf797df4f51
4	ezrashounen@hotmail.com	Ezra Daniel	Dela Pena	da4b394d7989acd00c04486ae6eefe5a
5	chrisbrown@gmail.com	Chris	Brown	c411a8a0baaec14ea6c02cf291cf58de
6	robertcatacutan@gmail.com	Robert	Catacutan	7374de1eb1db05b45eb40ef9f73f4a03
7	philipperucho@gmail.com	Philip Roy	Perucho	e3445f892aeb6ffa161dfb56de147080

cinema_movies table

movie_id	movie_image	movie_title	movie_director	movie_cast	movie_genre	movie_description	movie_released	movie_price	movie_status
1	cinema/images/hunger.jpg	The Hunger Games: Mocking Jay 1	Francis Lawrence	Jennifer Lawrence, Josh Hutcherson, Julianne Moore...	Sci-fi, Adventure	Following her rescue from the devastating Quarter ...	2021-05-31 03:44:42.260539	400	1
2	cinema/images/martian.jpg	The Martian	Ridley Scott	Matt Damon, Jessica Chastain, Kate Mara	Sci-fi, Drama	During a manned mission to Mars, Astronaut Mark Wa...	2021-05-30 03:38:38.889483	400	1
3	cinema/images/deadpool.jpg	Deadpool: Merc with a mouth	Tim Miller	Ryan Reynolds, Morena Baccarin, T.J. Miller, Brian...	Action, Comedy	Wade Wilson (Ryan Reynolds) is a former Special Fo...	2021-05-29 17:40:58.067683	449	1
5	cinema/images/xmen.png	X-Men Apocalypse	Bryan Singer	James McAvoy, Michael Fassbender, Oscar Isaac, Tye...	Action, Adventure	Worshiped as a god since the dawn of civilization,...	2021-05-30 17:02:49.156139	299	1
6	cinema/images/trainspotting.jpg	Trainspotting	Danny Boyle	Ewan McGregor, Jonny Lee Miller, Robert Carlyle, E...	Drama, Dark Comedy	Heroin addict Mark Renton (Ewan McGregor) stumbles...	2021-05-31 03:44:14.316627	500	1
8	cinema/images/fight-club.jpg	Fight Club	David Fincher	Brad Pitt, Edward Norton, Helena Bonham, Jared Leto	Drama, Dark Comedy	A depressed man (Edward Norton) suffering from ins...	2021-05-31 03:49:52.504323	500	1

cinema_moviesched table

sched_id	movie_id	movie_title	sched_date	sched_timestart	sched_timeend
1920213	1	The Hunger Games: Mocking Jay 1	2021-06-03	09:00:00	12:00:00
2920214	2	The Martian	2021-06-04	09:00:00	12:00:00
6920217	6	Trainspotting	2021-06-07	09:00:00	12:00:00
11620213	1	The Hunger Games: Mocking Jay 1	2021-06-03	16:00:00	18:00:00
11620214	1	The Hunger Games: Mocking Jay 1	2021-06-04	16:00:00	18:00:00
21320213	2	The Martian	2021-06-03	13:00:00	15:00:00
31320214	3	Deadpool: Merc with a mouth	2021-06-04	13:00:00	15:00:00
41320215	4	Trainspotting	2021-06-05	13:00:00	15:00:00
51720215	5	X-Men Apocalypse	2021-05-05	17:00:00	19:00:00
89202111	8	Fight Club	2021-06-11	09:00:00	12:00:00

cinema_reservation table

ticket_id	customer_id	customer_name	movie_id	movie_title	sched_id	seat_num	sched_timestart	price	date_transact
129202146	1	Dominic Antigua	2	The Martian	2920214	30	09:00:00	400	2021-05-30 08:54:03
139202152	1	Dominic Antigua	3	Deadpool: Merc with a mouth	3920215	16	09:00:00	449	2021-05-30 04:34:38
139202159	1	Dominic Antigua	3	Deadpool: Merc with a mouth	3920215	37,38	09:00:00	898	2021-05-30 16:27:39
329202144	3	Kervy Mestiola	2	The Martian	2920214	17,18	09:00:00	800	2021-05-30 08:52:01
1292021410	1	Dominic Antigua	2	The Martian	2920214	24	09:00:00	400	2021-05-31 01:52:06
1517202151	1	Dominic Antigua	5	X-Men Apocalypse	51720215	37	17:00:00	299	2021-05-05 03:28:59
1517202157	1	Dominic Antigua	5	X-Men Apocalypse	51720215	9	17:00:00	299	2021-05-05 08:54:20
2517202151	2	Philip Roy Perucho	5	X-Men Apocalypse	51720215	36	17:00:00	299	2021-05-05 03:50:13
3517202153	3	Kervy Mestiola	5	X-Men Apocalypse	51720215	25,38	17:00:00	598	2021-05-05 08:51:38
7116202139	7	Philip Roy Perucho	1	The Hunger Games: Mocking Jay 1	11620213	24,25	16:00:00	600	2021-05-31 03:41:00