ATOM

ONLINE TICKETING MANAGEMENT SYSTEM

IS 6420-002 Spring 2024 Database Theory/Design

REPORT

Group 6

KIYARASH TOOSI

LAKSHMI ALEKHYA TATAMPUDI

FLORENCE OBIRI MANU

Table of Contents

EXECUTIVE SUMMARY

Online Movie Ticketing which allows its users to easily purchase tickets to watch movies. With a continuous increase in this service, we therefore concentrated on Atom online Movie Ticketing platform with our focus on the database management processes of users accessing this platform.

Considering the importance of online movie ticketing databases, this project aims to manage the database of the key features or requirements information related to Atom online movie ticketing with users.

Our project seeks to ensure a well-structured, efficient and more organized management of data of Atom online movie ticketing. We then focused on the following data management on Atom online Movie Ticketing:

- User Information Management: This database stores information such as user personal details, ticket details, payment details as well as manages user feedback which enables personalized services and targets feedback to help in decision making.
- Movie Information Management: This database stores information on a particular movie such as movie genre, movie director, Movie Actor and Movie Award. This information helps users to get more information on a particular movie for easier decision-making.
- Showing Information Management: This database stores more information on showtimes of movies and theater details. This helps in the provision of accurate and up-to-date information for users.

GENERAL DESCRIPTION

Background & History

Atom Online Movie Ticketing is an online ticketing platform that makes it easier for movie lovers to go to the movies. It is an award-winning company startup based in Santa Monica, California which provides revolutionary movie ticketing applications and websites. Atom Tickets are enabled on more than 20,000 screens across the United States.

Atom Company was established in 2014 with its focus on the provision of innovative platform designed to make movie going simple and social as well as transform the way people see movies and have great entertainment experiences with friends and family.

Vision And Objectives

The Vision of Atom Tickets re-imagines the most convenient way for users to plan a night out at the movies. With Atom movie ticketing platform being one of the most used platforms for purchasing movie tickets. Its main objectives are to deliver a VIP experience from start to finish to its users and provide convenient and efficient ways of purchasing movie tickets.

Products And Services

The Atom Online Movie Ticketing Platform provides users with the convenience to access comprehensive information on movie listings, theaters, showings, and to purchase tickets without standing into long queues.

Atom Online Ticketing Transactional Databases

Transactional Database is very fundamental in the management of Atom online movie ticketing platform in real time. With this, our main objective was on the user's Transactional database processes and operations of the Atom online movie ticketing

platform. That is users account management, ticketing management, showing management, Movie Management, Theater management and payment management.

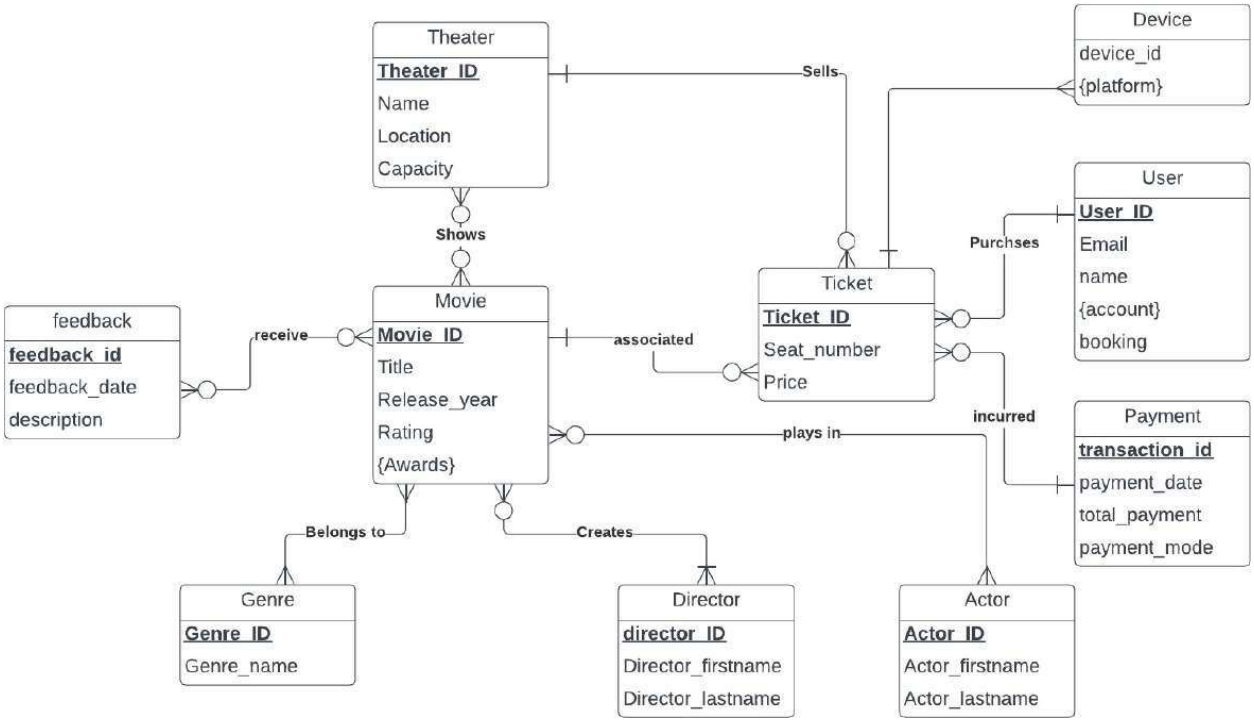
PRIORITY REQUIREMENT SUMMARY

Our team prioritized the main important features of the atom online Movie Ticketing. Atom Movie platform creates a more robust online ticketing platform that easily helps users to purchase their movie tickets to watch their movies in the theaters. With this, the platform provides the following features:

- User
- Theater
- Movie
- Genre
- Showing Schedule
- Feedback
- Movie Genre
- Payment
- Ticket
- Movie Director

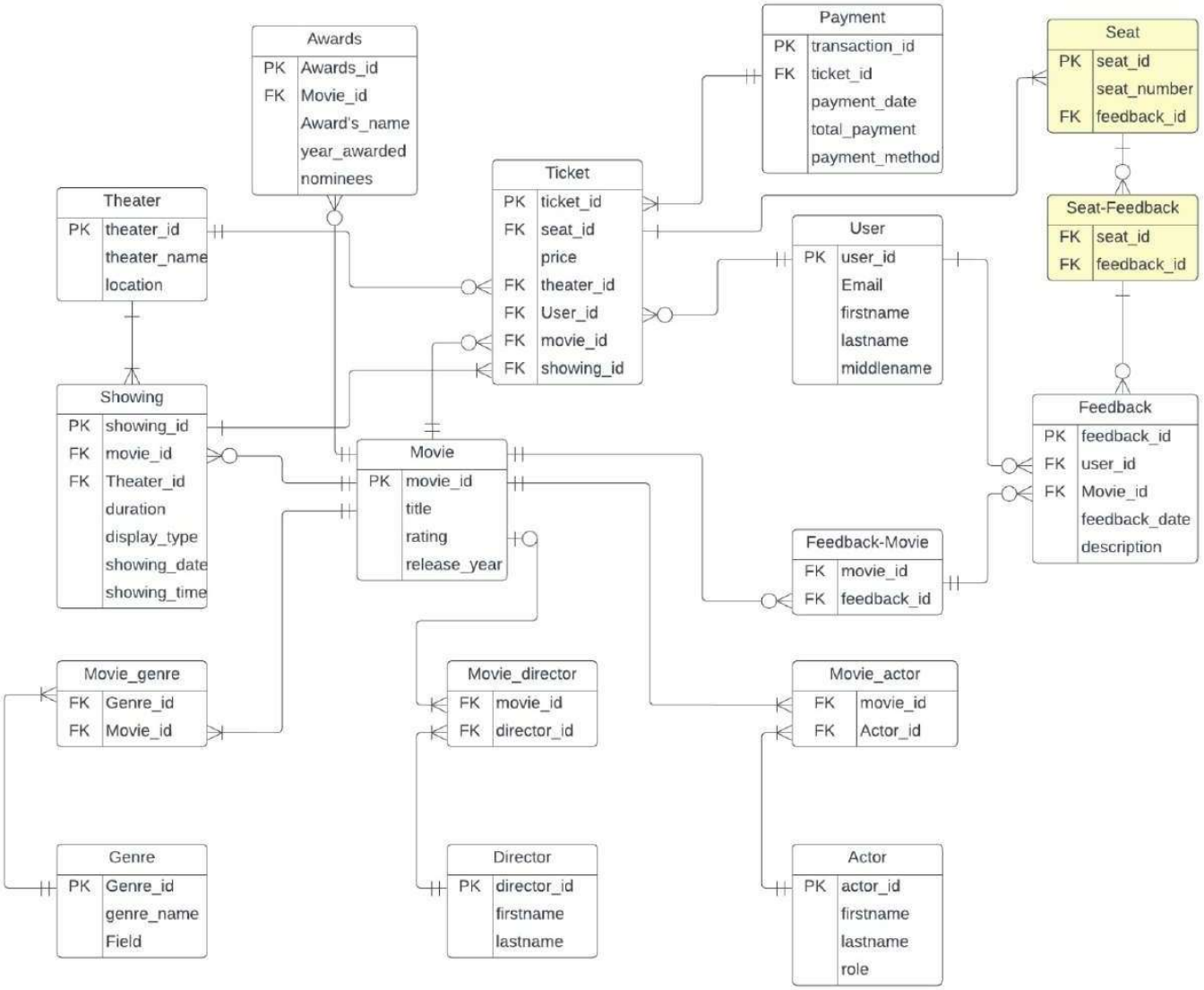
With a continuous increase of users accessing this platform, we then look at adding two more additional features, which are the Actor and Awards features to give a lot more options for users in their decision making when purchasing their tickets. With the above features, we created a database and then successfully inserted and as well performed some queries on our database.

CONCEPTUAL MODELLING



The diagram above is the conceptual model for the Atom movie ticketing platform. This model depicts the functionalities of the Atom Movie Ticketing Platform to help users in a successful purchase of their movie tickets to watch their favorite movies.

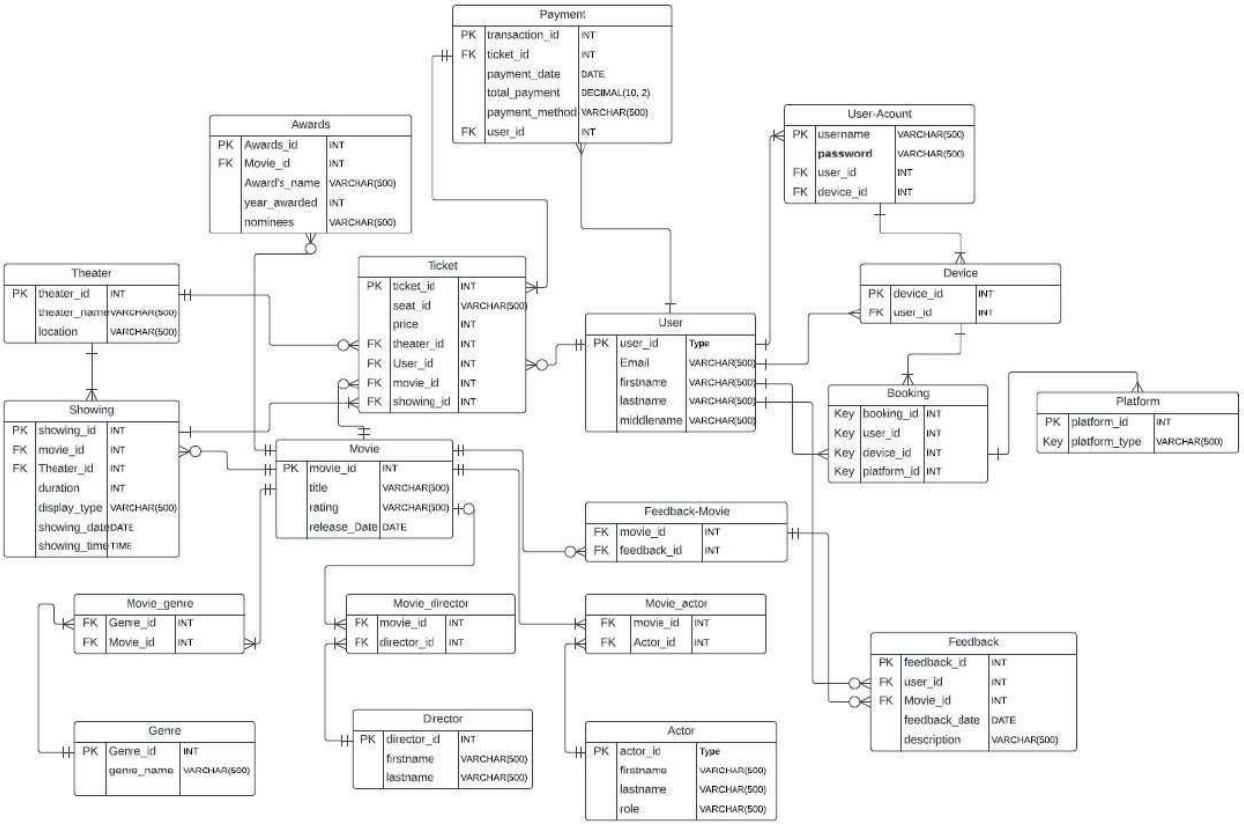
LOGICAL MODEL



The diagram above is the logical model which we build from the conceptual model. This model helped us with more detailed requirements for our database creation. We showed the primary key and the foreign keys of each table. Also, with many-many relationships, we separated it into new relation. In addition, we created a new relation from every multi-valued attribute. The logical Model helped us in

connecting physically with the tables when creating our database to reduce data redundancy and allow users to search, view select and update without causing anomalies.

PHYSICAL MODEL



REQUIREMENT REVIEW

Our project implemented the features of Atom Online movie ticketing platform and made them functional in our database. These features are:

- Users being able to create and manage their profiles.
- Users being able to search for movies efficiently.
- Users being able to search for show time and locations.
- Users have the leverage to view ticket prices and make selection of seats.
- Users being able to make secure payments.
- Additional requirements

With the above features, we implemented and completed the following tables for the above features.

- User
- Feedback
- Movie
- Movie director
- Theater
- Showing
- Award
- Theater
- Showing
- Movie genre
- Actor

CONCLUSION

Atom Movie Ticketing platform is one of the most used and popular platforms in the United States. With Atom Movie Ticketing platform, users can successfully purchase their movie tickets without any frustration in joining queues. Our project is focused on the database management of users accessing this platform. In addition, we created additional features which help users to have a lot mor more information which we believe improves users' experience of using the platform.

Future Features

We believe that in the future if the following features are considered will help users to have more comprehensive information on purchasing their movie tickets. These features are:

- In App Seat Reviews: This is a feature that will help users to leave and read reviews for specific seats within a theater, providing feedback on view, comfort and sound which can guide future patrons in their seat selection. With this feature, we implemented it in our final logical Model representation.
- Augmented Reality Theater Tours: Introducing this feature will help users to take a virtual tour of the theater they are considering and get a feel for amenities, seat layouts and exits.
- Group Booking with Spilt Payments: This feature will allow multiple people to make a reservation and pay individually as well as making it easier to plan group outings without the hassle of one person facing the entire cost.
- Loyalty Program Integration: This seamlessly integrates a loyalty program where users can directly earn and redeem points.

REFERENCE

https://time.com/4202371/atom-tickets-movie-app/

https://techcrunch.com/2019/03/28/atom-tickets-to-challenge-moviepass-with-a-subscription-ticket-platform-for-theaters/

JEREMY BLOOM (March 9, 2018) Atom Tickets, the social movie ticket platform

https://www.businessofbusiness.com/articles/welcome-to-the-atomic-age-of-movie-ticket-sales/

https://www.boxofficepro.com/atom-tickets-introduces-share-to-snap-movie-ticket/

SQL Data Generator: https://extendsclass.com/csv-generator.html

APPENDIX

TEAM MEMBER	HOURS SPENT	DESCRIPTION OF WORK	ADDITIONAL COMMENTS
Kiyarash Toosi	27	Conceptual Design, SQL Table creation, Logical Design, presentation	
Lakshmi Alekhya Tatampudi	27	Physical Model, Logical, Presentation	
Florence Obiri Manu	27	Report, Logical, Presentation	

SQL STATEMENTS

Actor:

	actor_id	first_name	last_name	role
1	1	Tim	Robbins	Andy Dufresne
2	2	Morgan	Freeman	Ellis Boyd "Red" Redding
3	3	Marlon	Brando	Vito Corleone
4	4	Al	Pacino	Michael Corleone
5	5	Robert	De Niro	Vito Corleone (young)
6	6	James	Caan	Sonny Corleone
7	7	Richard	Castellano	Peter Clemenza
8	8	Robert	Duvall	Tom Hagen
9	9	Clint	Eastwood	Blondie ("The Man with No Name")
10	10	Eli	Wallach	Tuco ("The Ugly")
11	11	Lee	Van Cleef	Angel Eyes ("The Bad")
12	12	Edward	Norton	The Narrator
13	13	Brad	Pitt	Tyler Durden
14	14	Helena	Bonham Carter	Marla Singer
15	15	Edward	Furlong	John Connor
16	16	Linda	Hamilton	Sarah Connor
17	17	Arnold	Schwarzenegger	The Terminator
18	18	Joe	Pesci	Tommy DeVito
19	19	Ray	Liotta	Henry Hill
20	20	Robert	De Niro	James Conway
21	21	Russell	Crowe	Maximus

Awards:

	awards_id	movie_id	awards_name	year_awardec	nominees
1	1	1	Oscar	1,995	Best Actor;Best Picture;Best Dire
2	2	2	Golden Globe	1,973	Best Supporting Actor;Best Dire
3	3	3	BAFTA	1,975	Best Actor;Best Supporting Actc
4	4	4	Academy Award	2,009	Best Supporting Actor;Best Sou
5	5	5	Critics Choice Awarc	1,957	Best Picture;Best Director
6	6	6	Oscar	1,994	Best Picture;Best Director
7	7	7	Golden Globe	2,004	Best Picture;Best Director
8	8	8	Academy Award	1,995	Best Supporting Actor;Best Orig
9	9	9	Critics Choice Awarc	1,968	Best Director;Best Actor
10	10	10	Oscar	2,000	Best Sound Editing;Best Visual E
11	11	11	Golden Globe	1,995	Best Picture;Best Actor;Best Dire
12	12	12	BAFTA	2,011	Best Original Screenplay;Best Cir
13	13	13	Academy Award	2,002	Best Picture;Best Director;Best O
14	14	14	Golden Globe	1,981	Best Supporting Actor;Best Dire
15	15	15	Oscar	2,003	Best Visual Effects;Best Sound E
16	16	16	Critics Choice Awarc	1,999	Best Screenplay;Best Editing
17	17	17	BAFTA	1,991	Best Director;Best Actor
18	18	18	Academy Award	1,996	Best Supporting Actor;Best Film
19	19	19	Golden Globe	2,004	Best Foreign Language Film;Best
20	20	20	Oscar	1,999	Best Foreign Language Film;Best
21	21	21	Critics Choice Awarc	1,992	Best Director;Best Actor

Director:

	director_id	first_name	last_name
1	1	Frank	Darabont
2	2	Francis Ford	Coppola
3	3	Christopher	Nolan
4	4	Sidney	Lumet
5	5	Steven	Spielberg
6	6	Quentin	Tarantino
7	7	Sergio	Leone
8	8	David	Fincher
9	9	Fernando	Meirelles
10	10	Roberto	Benigni
11	11	Jonathan	Demme
12	12	Frank	Capra
13	13	James	Cameron
14	14	Irvin	Kershner
15	15	Peter	Jackson
16	16	Lana	Wachowski
17	17	Martin	Scorsese
18	18	David	Lean
19	19	Tom	Hanks
20	20	Luc	Besson
21	21	Hayao	Miyazaki

Feedback:

	feedback_id	feedback_date	description	user_id	movie_id
4	4	2023-01-04	Loved the special effects!	4	4
5	5	2023-01-05	Great soundtrack, added depth	5	5
6	6	2023-01-06	The cinematography was outsta	6	6
7	7	2023-01-07	Interesting plot twists througho	7	7
8	8	2023-01-08	A masterpiece of storytelling.	8	8
9	9	2023-01-09	Incredible direction and editing.	9	9
10	10	2023-01-10	Emotionally moving performanc	10	10
11	11	2023-01-11	Thought-provoking themes exp	11	11
12	12	2023-01-12	Impressive visual effects.	12	12
13	13	2023-01-13	A classic movie that everyone sh	13	13
14	14	2023-01-14	Well-paced and engaging storyl	14	14
15	15	2023-01-15	Brilliant acting performances.	15	15
16	16	2023-01-16	The movie kept me on the edge	16	16
17	17	2023-01-17	One of the best movies I've ever	17	17
18	18	2023-01-18	The ending left me speechless.	18	18
19	19	2023-01-19	Fantastic character development	19	19
20	20	2023-01-20	A visually stunning film.	20	20
21	21	2023-01-21	Captivating from start to finish.	21	21
22	22	2023-01-22	An emotional rollercoaster.	22	22
23	23	2023-01-23	The movie left a lasting impressi	23	23

Genre:

	genre_id	genre_name
1	1	Action
2	2	Adventure
3	3	Animation
4	4	Comedy
5	5	Crime
6	6	Drama
7	7	Fantasy
8	8	Horror
9	9	Mystery
10	10	Romance
11	11	Sci-Fi
12	12	Thriller
13	13	Biography
14	14	Documentary
15	15	Family
16	16	History
17	17	Music
18	18	Musical
19	19	Sport
20	20	War
21	21	Western

Movie:

	movie_id	title	rating	release_date
1	1	The Shawshank Redemption	R	1994-10-14
2	2	The Godfather	R	1972-03-24
3	3	The Godfather: Part II	R	1974-12-20
4	4	The Dark Knight	PG-13	2008-07-18
5	5	12 Angry Men	Not Rated	1957-04-10
6	6	Schindler's List	R	1993-12-15
7	7	The Lord of the Rings: The Return of the King	PG-13	2003-12-17
8	8	Pulp Fiction	R	1994-10-14
9	9	The Good, the Bad and the Ugly	R	1967-12-29
10	10	Fight Club	R	1999-10-15
11	11	Forrest Gump	PG-13	1994-07-06
12	12	Inception	PG-13	2010-07-16
13	13	The Lord of the Rings: The Fellowship of the Ring	PG-13	2001-12-19
14	14	Star Wars: Episode V - The Empire Strikes Back	PG	1980-06-20
15	15	The Lord of the Rings: The Two Towers	PG-13	2002-12-18
16	16	The Matrix	R	1999-03-31
17	17	Goodfellas	R	1990-09-19
18	18	Se7en	R	1995-09-22
19	19	City of God	R	2003-02-13
20	20	Life Is Beautiful	PG-13	1998-02-12
21	21	The Silence of the Lambs	R	1991-02-14

Payment:

	transaction_id	payment_date	total_payment	payment_method	ticket_id
1	1	2023-01-01	25	Credit Card	1
2	2	2023-01-02	30	Debit Card	2
3	3	2023-01-03	20	Cash	3
4	4	2023-01-04	15	Credit Card	4
5	5	2023-01-05	22.5	Credit Card	5
6	6	2023-01-06	18	Debit Card	6
7	7	2023-01-07	27.5	Cash	7
8	8	2023-01-08	35	Credit Card	8
9	9	2023-01-09	28.5	Credit Card	9
10	10	2023-01-10	40	Debit Card	10
11	11	2023-01-11	17.5	Cash	11
12	12	2023-01-12	32	Credit Card	12
13	13	2023-01-13	19.5	Credit Card	13
14	14	2023-01-14	24	Debit Card	14
15	15	2023-01-15	21	Cash	15
16	16	2023-01-16	26.5	Credit Card	16
17	17	2023-01-17	23	Credit Card	17
18	18	2023-01-18	37.5	Debit Card	18
19	19	2023-01-19	29.5	Cash	19
20	20	2023-01-20	33	Credit Card	20
21	21	2023-01-21	16.5	Credit Card	21

Showing:

	showing	Ctrl+click to open SQL console	ter_id	duration	display_type	showing_date	showing_time
1	1	1	1	02:22:00	2D	2024-01-27	18:00:00
2	2	2	2	02:55:00	3D	2024-01-27	19:30:00
3	3	3	3	03:22:00	2D	2024-01-27	20:00:00
4	4	4	4	02:32:00	IMAX	2024-01-27	21:00:00
5	5	5	5	01:36:00	2D	2024-01-27	22:00:00
6	6	6	6	03:15:00	3D	2024-01-27	23:00:00
7	7	7	7	02:48:00	2D	2024-01-27	17:30:00
8	8	8	8	02:33:00	IMAX	2024-01-27	18:30:00
9	9	9	9	02:45:00	2D	2024-01-27	19:00:00
10	10	10	10	02:19:00	3D	2024-01-27	20:30:00
11	11	11	11	02:22:00	2D	2024-01-27	21:30:00
12	12	12	12	02:58:00	IMAX	2024-01-27	22:30:00
13	13	13	13	02:51:00	3D	2024-01-27	23:30:00
14	14	14	14	02:37:00	2D	2024-01-27	18:45:00
15	15	15	15	02:02:00	IMAX	2024-01-27	19:45:00
16	16	16	16	02:28:00	3D	2024-01-27	20:15:00
17	17	17	17	02:29:00	2D	2024-01-27	21:45:00
18	18	18	18	02:33:00	IMAX	2024-01-27	22:45:00
19	19	19	19	02:09:00	3D	2024-01-27	23:45:00
20	20	20	20	02:41:00	2D	2024-01-27	17:15:00
21	21	21	21	02:59:00	IMAX	2024-01-27	18:15:00

Theater:

	theater_id	theater_name	location
1	1	Cineplex Odeon	New York, NY
2	2	AMC Empire 25	New York, NY
3	3	Regal Cinemas Battery Park	New York, NY
4	4	AMC Loews Lincoln Square 13	New York, NY
5	5	Alamo Drafthouse Cinema	Austin, TX
6	6	ArcLight Hollywood	Los Angeles, CA
7	7	Regal LA Live	Los Angeles, CA
8	8	Cinemark Tinseltown	Los Angeles, CA
9	9	Cinepolis Luxury Cinemas	San Diego, CA
10	10	AMC Mission Valley 20	San Diego, CA
11	11	Cineworld Birmingham	Birmingham, UK
12	12	Vue Birmingham	Birmingham, UK
13	13	Everyman Birmingham	Birmingham, UK
14	14	Empire Sutton Coldfield	Sutton Coldfield, UK
15	15	The Light Cinema	Bolton, UK
16	16	Vue Bolton	Bolton, UK
17	17	Odeon Manchester Great Northern	Manchester, UK
18	18	AMC Manchester	Manchester, UK
19	19	Cineworld Manchester	Manchester, UK
20	20	Vue Manchester Printworks	Manchester, UK

Ticket:

	ticket_id	seat_number	price	showing_id	user_id	theater_id	movie_id
1	1	A1	12.5	1	1	1	1
2	2	B2	15	2	2	2	2
3	3	C3	10	3	3	3	3
4	4	D4	8.5	4	4	4	4
5	5	E5	14	5	5	5	5
6	6	F6	9	6	6	6	6
7	7	G7	11.5	7	7	7	7
8	8	H8	13.75	8	8	8	8
9	9	I9	16.25	9	9	9	9
10	10	J10	10.5	10	10	10	10
11	11	A11	12	11	11	11	11
12	12	B12	14.25	12	12	12	12
13	13	C13	8.75	13	13	13	13
14	14	D14	15.5	14	14	14	14
15	15	E15	11	15	15	15	15
16	16	F16	10.25	16	16	16	16
17	17	G17	13	17	17	17	17
18	18	H18	9.75	18	18	18	18
19	19	I19	12.75	19	19	19	19
20	20	J20	14	20	20	20	20
21	21	A21	16.5	21	21	21	21

User-table:

	user_id	email	first_name	middle_name	last_name
1	1	john.doe@example.com	John	Robert	Doe
2	2	jane.smith@example.com	Jane	Alice	Smith
3	3	michael.johnson@example.com	Michael	[NULL]	Johnson
4	4	emily.wilson@example.com	Emily	Grace	Wilson
5	5	daniel.brown@example.com	Daniel	[NULL]	Brown
6	6	olivia.jones@example.com	Olivia	Marie	Jones
7	7	william.davis@example.com	William	David	Davis
8	8	sophia.miller@example.com	Sophia	[NULL]	Miller
9	9	alexander.garcia@example.com	Alexander	[NULL]	Garcia
10	10	isabella.taylor@example.com	Isabella	Rose	Taylor
11	11	julian.wells@example.com	Julian	[NULL]	Wells
12	12	victoria.parker@example.com	Victoria	[NULL]	Parker
13	13	sebastian.hall@example.com	Sebastian	[NULL]	Hall
14	14	claire.cox@example.com	Claire	[NULL]	Cox
15	15	gabriel.ross@example.com	Gabriel	[NULL]	Ross
16	16	amelia.morgan@example.com	Amelia	[NULL]	Morgan
17	17	simon.hill@example.com	Simon	[NULL]	Hill
18	18	lucy.sullivan@example.com	Lucy	[NULL]	Sullivan
19	19	maxwell.fisher@example.com	Maxwell	[NULL]	Fisher
20	20	natalie.butler@example.com	Natalie	[NULL]	Butler

SQL Codes:

```
 -- Drop the movie table if it exists
DROP TABLE IF EXISTS Movie;

-- Create the Movie table
CREATE TABLE Movie (
    movie_id INT PRIMARY KEY,
    title VARCHAR(500) NOT NULL,
    rating VARCHAR(500),
    release_date date
);

-- Drop the theater table if it exists
DROP TABLE IF EXISTS Theater;

-- Create the Theater table
CREATE TABLE Theater (
    theater_id INT PRIMARY KEY,
    theater_name VARCHAR(500) NOT NULL,
    location VARCHAR(500) NOT NULL
);

-- Drop the user table if it exists
```

```
DROP TABLE IF EXISTS User_table;


-- Create the User table
CREATE TABLE User_table (
    user_id INT PRIMARY KEY,
    email VARCHAR(500) NOT NULL,
    first_name VARCHAR(500) NOT NULL,
    middle_name VARCHAR(500),
    last_name VARCHAR(500) NOT NULL
);

-- Drop the showing table if it exists
DROP TABLE IF EXISTS Showing;

-- Create the Showing table
CREATE TABLE Showing (
    showing_id INT PRIMARY KEY,
    movie_id INT,
    theater_id INT,
    duration TIME,
    display_type VARCHAR(500) NOT NULL,
    showing_date DATE NOT NULL,
    showing_time TIME,
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id),
```

```
    FOREIGN KEY (theater_id) REFERENCES Theater(theater_id)
);

-- Drop the Ticket table if it exists
DROP TABLE IF EXISTS Ticket;

-- Create the Ticket table
CREATE TABLE Ticket (
    ticket_id INT PRIMARY KEY,
    seat_number VARCHAR(500)NOT NULL,
    price DECIMAL(10,2) NOT NULL,
    showing_id INT,
    user_id INT,
    theater_id INT,
    movie_id INT,
    FOREIGN KEY (showing_id) REFERENCES Showing(showing_id),
    FOREIGN KEY (user_id) REFERENCES User_Table(user_id), -- Added comma
    FOREIGN KEY (theater_id) REFERENCES Theater(theater_id), -- Corrected table name
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id) -- Added comma
);

-- Drop the awards table if it exists
```

```
DROP TABLE IF EXISTS Awards;


-- Create the Awards table
CREATE TABLE Awards (
    awards_id INT PRIMARY KEY,
    movie_id INT,
    awards_name VARCHAR(500),
    year_awarded INT,
    nominees VARCHAR(500),
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id)
);


-- Drop the payment table if it exists
DROP TABLE IF EXISTS Payment;


-- Create the Payment table
CREATE TABLE Payment (
    transaction_id INT PRIMARY KEY,
    payment_date DATE NOT NULL,
    total_payment DECIMAL(10,2) NOT NULL,
    payment_method VARCHAR(500),
    ticket_id INT,
    FOREIGN KEY (ticket_id) REFERENCES Ticket(ticket_id)
);
```

```sql
-- Drop the feedback table if it exists
DROP TABLE IF EXISTS Feedback;

-- Create the Feedback table
CREATE TABLE Feedback (
    feedback_id INT PRIMARY KEY,
    feedback_date DATE,
    description VARCHAR(1000),
    user_id INT,
    movie_id INT,
    FOREIGN KEY (user_id) REFERENCES User_table(user_id),
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id)
);

-- Drop the genre table if it exists
DROP TABLE IF EXISTS Genre;

-- Create the Genre table
CREATE TABLE Genre (
    genre_id INT PRIMARY KEY,
    genre_name VARCHAR(500)
);
```

```sql
-- Drop the movie_genre table if it exists
DROP TABLE IF EXISTS Movie_genre;

-- Create the Movie_genre table
CREATE TABLE Movie_genre (
    movie_id INT,
    genre_id INT,
    PRIMARY KEY (movie_id, genre_id),
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id),
    FOREIGN KEY (genre_id) REFERENCES Genre(genre_id)
);

-- Drop the director table if it exists
DROP TABLE IF EXISTS Directort;

-- Create the Director table
CREATE TABLE Director (
    director_id INT PRIMARY KEY,
    first_name VARCHAR(500),
    last_name VARCHAR(500)
);

-- Drop the movie_diroctor table if it exists
DROP TABLE IF EXISTS Movie_director;
```

```sql
-- Create the Movie_director table
CREATE TABLE Movie_director (
    movie_id INT,
    director_id INT,
    PRIMARY KEY (movie_id, director_id),
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id),
    FOREIGN KEY (director_id) REFERENCES Director(director_id)
);

-- Drop the actor table if it exists
DROP TABLE IF EXISTS Actor;

-- Create the Actor table
CREATE TABLE Actor (
    actor_id INT PRIMARY KEY,
    first_name VARCHAR(500),
    last_name VARCHAR(500),
    role VARCHAR(500)
);

-- Drop the movie_actor table if it exists
DROP TABLE IF EXISTS Movie_actor;
```

```sql
-- Create the Movie_actor table
CREATE TABLE Movie_actor (
    movie_id INT,
    actor_id INT,
    PRIMARY KEY (movie_id, actor_id),
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id),
    FOREIGN KEY (actor_id) REFERENCES Actor(actor_id)
);

-- Drop the movie_feedback table if it exists
DROP TABLE IF EXISTS Movie_feedback;

-- Create the movie_feedback table
CREATE TABLE Movie_feedback (
    movie_id INT,
    feedback_id INT,
    PRIMARY KEY (movie_id, feedback_id),
    FOREIGN KEY (movie_id) REFERENCES Movie(movie_id),
    FOREIGN KEY (feedback_id) REFERENCES Feedback(feedback_id)
);

-- Drop the device table if it exists
DROP TABLE IF EXISTS Device;
```

```
-- Create the device table
CREATE TABLE Device (
    device_id INT PRIMARY KEY,
    user_id INT,
    FOREIGN KEY (user_id) REFERENCES User_table(user_id)
);

-- Drop the user_account table if it exists
DROP TABLE IF EXISTS User_account;

-- Create the user_account table
CREATE TABLE User_account (
    username VARCHAR(500) PRIMARY KEY,
    password VARCHAR(500) NOT NULL,
    user_id INT,
    device_id INT,
    FOREIGN KEY (user_id) REFERENCES User_table(user_id),
    FOREIGN KEY (device_id) REFERENCES Device(device_id)
);


-- Drop the platform table if it exists
DROP TABLE IF EXISTS Platform;
```

```sql
-- Create the platform table
CREATE TABLE Platform (
    platform_id INT PRIMARY KEY,
    platform_type VARCHAR(20) CHECK (platform_type IN ('website', 'application'))
);

-- Drop the booking table if it exists
DROP TABLE IF EXISTS Booking;

-- Create the booking table
CREATE TABLE Booking (
    booking_id INT PRIMARY KEY,
    user_id INT,
    device_id INT,
    platform_id INT,
    FOREIGN KEY (user_id) REFERENCES User_table(user_id),
    FOREIGN KEY (device_id) REFERENCES Device(device_id),
    FOREIGN KEY (platform_id) REFERENCES Platform(platform_id)
);

-- Insert data into Movie table
INSERT INTO Movie (movie_id, title, rating, release_date) VALUES
(1, 'The Shawshank Redemption', 'R', '1994-10-14'),
```

(2, 'The Godfather', 'R', '1972-03-24'),

(3, 'The Godfather: Part II', 'R', '1974-12-20'),

(4, 'The Dark Knight', 'PG-13', '2008-07-18'),

(5, '12 Angry Men', 'Not Rated', '1957-04-10'),

(6, 'Schindler''s List', 'R', '1993-12-15'),

(7, 'The Lord of the Rings: The Return of the King', 'PG-13', '2003-12-17'),

(8, 'Pulp Fiction', 'R', '1994-10-14'),

(9, 'The Good, the Bad and the Ugly', 'R', '1967-12-29'),

(10, 'Fight Club', 'R', '1999-10-15'),

(11, 'Forrest Gump', 'PG-13', '1994-07-06'),

(12, 'Inception', 'PG-13', '2010-07-16'),

(13, 'The Lord of the Rings: The Fellowship of the Ring', 'PG-13', '2001-12-19'),

(14, 'Star Wars: Episode V - The Empire Strikes Back', 'PG', '1980-06-20'),

(15, 'The Lord of the Rings: The Two Towers', 'PG-13', '2002-12-18'),

(16, 'The Matrix', 'R', '1999-03-31'),

(17, 'Goodfellas', 'R', '1990-09-19'),

(18, 'Se7en', 'R', '1995-09-22'),

(19, 'City of God', 'R', '2003-02-13'),

(20, 'Life Is Beautiful', 'PG-13', '1998-02-12'),

(21, 'The Silence of the Lambs', 'R', '1991-02-14'),

(22, 'It''s a Wonderful Life', 'PG', '1946-01-07'),

(23, 'Saving Private Ryan', 'R', '1998-07-24'),

(24, 'The Green Mile', 'R', '1999-12-10'),

(25, 'Léon: The Professional', 'R', '1994-11-18'),

(26, 'The Usual Suspects', 'R', '1995-09-15'),

(27, 'Spirited Away', 'PG', '2001-07-20'),

(28, 'Interstellar', 'PG-13', '2014-11-07'),

(29, 'American History X', 'R', '1998-11-20'),

(30, 'The Lion King', 'G', '1994-06-24'),

(31, 'Gladiator', 'R', '2000-05-05'),

(32, 'The Prestige', 'PG-13', '2006-10-20'),

(33, 'Back to the Future', 'PG', '1985-07-03'),

(34, 'The Departed', 'R', '2006-10-06'),

(35, 'Whiplash', 'R', '2014-10-15'),

(36, 'The Intouchables', 'R', '2011-11-02'),

(37, 'The Pianist', 'R', '2003-01-03'),

(38, 'The Silence of the Lambs', 'R', '1991-02-14'),

(39, 'The Shining', 'R', '1980-06-13'),

(40, 'The Departed', 'R', '2006-10-06'),

(41, 'The Green Mile', 'R', '1999-12-10'),

(42, 'The Godfather: Part II', 'R', '1974-12-20'),

(43, 'The Lord of the Rings: The Return of the King', 'PG-13', '2003-12-17'),

(44, 'Pulp Fiction', 'R', '1994-10-14'),

(45, 'The Shawshank Redemption', 'R', '1994-10-14'),

(46, 'The Dark Knight', 'PG-13', '2008-07-18'),

(47, 'Schindler''s List', 'R', '1993-12-15'),

(48, 'Forrest Gump', 'PG-13', '1994-07-06'),

(49, 'Inception', 'PG-13', '2010-07-16'),

```
(50, 'The Lord of the Rings: The Fellowship of the Ring', 'PG-13', '2001-12-19');


-- Inserting rows of data into the Theater table
INSERT INTO Theater (theater_id, theater_name, location) VALUES
(1, 'Cineplex Odeon', 'New York, NY'),
(2, 'AMC Empire 25', 'New York, NY'),
(3, 'Regal Cinemas Battery Park', 'New York, NY'),
(4, 'AMC Loews Lincoln Square 13', 'New York, NY'),
(5, 'Alamo Drafthouse Cinema', 'Austin, TX'),
(6, 'ArcLight Hollywood', 'Los Angeles, CA'),
(7, 'Regal LA Live', 'Los Angeles, CA'),
(8, 'Cinemark Tinseltown', 'Los Angeles, CA'),
(9, 'Cinepolis Luxury Cinemas', 'San Diego, CA'),
(10, 'AMC Mission Valley 20', 'San Diego, CA'),
(11, 'Cineworld Birmingham', 'Birmingham, UK'),
(12, 'Vue Birmingham', 'Birmingham, UK'),
(13, 'Everyman Birmingham', 'Birmingham, UK'),
(14, 'Empire Sutton Coldfield', 'Sutton Coldfield, UK'),
(15, 'The Light Cinema', 'Bolton, UK'),
(16, 'Vue Bolton', 'Bolton, UK'),
(17, 'Odeon Manchester Great Northern', 'Manchester, UK'),
(18, 'AMC Manchester', 'Manchester, UK'),
(19, 'Cineworld Manchester', 'Manchester, UK'),
(20, 'Vue Manchester Printworks', 'Manchester, UK'),
```

(21, 'Odeon Liverpool One', 'Liverpool, UK'),

(22, 'Vue Liverpool', 'Liverpool, UK'),

(23, 'Everyman Liverpool', 'Liverpool, UK'),

(24, 'Cineworld Liverpool', 'Liverpool, UK'),

(25, 'Empire Wigan', 'Wigan, UK'),

(26, 'The Light Cinema', 'Wirral, UK'),

(27, 'Vue Birkenhead', 'Wirral, UK'),

(28, 'Odeon Cheshire Oaks', 'Ellesmere Port, UK'),

(29, 'Cineworld Runcorn', 'Runcorn, UK'),

(30, 'Empire Speke', 'Liverpool, UK'),

(31, 'Vue Portsmouth', 'Portsmouth, UK'),

(32, 'Odeon Port Solent', 'Portsmouth, UK'),

(33, 'Cineworld Newport - Isle of Wight', 'Newport, UK'),

(34, 'Empire Isle of Wight', 'Newport, UK'),

(35, 'The Light Cinema', 'Wisbech, UK'),

(36, 'Vue Kings Lynn', 'Kings Lynn, UK'),

(37, 'Odeon Trowbridge', 'Trowbridge, UK'),

(38, 'Cineworld Yeovil', 'Yeovil, UK'),

(39, 'Empire Swindon', 'Swindon, UK'),

(40, 'Vue Swindon', 'Swindon, UK'),

(41, 'Odeon Bristol', 'Bristol, UK'),

(42, 'Cineworld Bristol', 'Bristol, UK'),

(43, 'Vue Bristol', 'Bristol, UK'),

(44, 'Empire Bristol', 'Bristol, UK'),

```
(45, 'The Light Cinema', 'Cambridge, UK'),
(46, 'Vue Cambridge', 'Cambridge, UK'),
(47, 'Odeon Cambridge', 'Cambridge, UK'),
(48, 'Cineworld St Neots', 'St Neots, UK'),
(49, 'Empire Peterborough', 'Peterborough, UK'),
(50, 'Vue Peterborough', 'Peterborough, UK');

-- Inserting rows of data into the User_table
INSERT INTO User_table (user_id, email, first_name, middle_name, last_name)
VALUES
(1, 'john.doe@example.com', 'John', 'Robert', 'Doe'),
(2, 'jane.smith@example.com', 'Jane', 'Alice', 'Smith'),
(3, 'michael.johnson@example.com', 'Michael', NULL, 'Johnson'),
(4, 'emily.wilson@example.com', 'Emily', 'Grace', 'Wilson'),
(5, 'daniel.brown@example.com', 'Daniel', NULL, 'Brown'),
(6, 'olivia.jones@example.com', 'Olivia', 'Marie', 'Jones'),
(7, 'william.davis@example.com', 'William', 'David', 'Davis'),
(8, 'sophia.miller@example.com', 'Sophia', NULL, 'Miller'),
(9, 'alexander.garcia@example.com', 'Alexander', NULL, 'Garcia'),
(10, 'isabella.taylor@example.com', 'Isabella', 'Rose', 'Taylor'),
(11, 'julian.wells@example.com', 'Julian', NULL, 'Wells'),
(12, 'victoria.parker@example.com', 'Victoria', NULL, 'Parker'),
(13, 'sebastian.hall@example.com', 'Sebastian', NULL, 'Hall'),
(14, 'claire.cox@example.com', 'Claire', NULL, 'Cox'),
```

(15, 'gabriel.ross@example.com', 'Gabriel', NULL, 'Ross'),

(16, 'amelia.morgan@example.com', 'Amelia', NULL, 'Morgan'),

(17, 'simon.hill@example.com', 'Simon', NULL, 'Hill'),

(18, 'lucy.sullivan@example.com', 'Lucy', NULL, 'Sullivan'),

(19, 'maxwell.fisher@example.com', 'Maxwell', NULL, 'Fisher'),

(20, 'natalie.butler@example.com', 'Natalie', NULL, 'Butler'),

(21, 'leo.ward@example.com', 'Leo', NULL, 'Ward'),

(22, 'maya.griffin@example.com', 'Maya', NULL, 'Griffin'),

(23, 'jaxon.kelly@example.com', 'Jaxon', NULL, 'Kelly'),

(24, 'zoey.hughes@example.com', 'Zoey', NULL, 'Hughes'),

(25, 'henry.price@example.com', 'Henry', NULL, 'Price'),

(26, 'luna.mitchell@example.com', 'Luna', NULL, 'Mitchell'),

(27, 'asher.ramirez@example.com', 'Asher', NULL, 'Ramirez'),

(28, 'willow.brooks@example.com', 'Willow', NULL, 'Brooks'),

(29, 'leo.bennett@example.com', 'Leo', NULL, 'Bennett'),

(30, 'scarlett.grant@example.com', 'Scarlett', NULL, 'Grant'),

(31, 'theodore.alexander@example.com', 'Theodore', NULL, 'Alexander'),

(32, 'paisley.richardson@example.com', 'Paisley', NULL, 'Richardson'),

(33, 'wyatt.henderson@example.com', 'Wyatt', NULL, 'Henderson'),

(34, 'eva.bryant@example.com', 'Eva', NULL, 'Bryant'),

(35, 'grayson.foster@example.com', 'Grayson', NULL, 'Foster'),

(36, 'ruby.hernandez@example.com', 'Ruby', NULL, 'Hernandez'),

(37, 'jax.harper@example.com', 'Jax', NULL, 'Harper'),

(38, 'nora.king@example.com', 'Nora', NULL, 'King'),

(39, 'oliver.wood@example.com', 'Oliver', NULL, 'Wood'),

(40, 'hazel.rogers@example.com', 'Hazel', NULL, 'Rogers'),

(41, 'finn.hughes@example.com', 'Finn', NULL, 'Hughes'),

(42, 'arianna.morris@example.com', 'Arianna', NULL, 'Morris'),

(43, 'samuel.wells@example.com', 'Samuel', NULL, 'Wells'),

(44, 'addison.perry@example.com', 'Addison', NULL, 'Perry'),

(45, 'elijah.long@example.com', 'Elijah', NULL, 'Long'),

(46, 'clara.ward@example.com', 'Clara', NULL, 'Ward'),

(47, 'matteo.ward@example.com', 'Matteo', NULL, 'Ward'),

(48, 'mila.barnes@example.com', 'Mila', NULL, 'Barnes'),

(49, 'zoe.santos@example.com', 'Zoe', NULL, 'Santos'),

(50, 'luca.richardson@example.com', 'Luca', NULL, 'Richardson');

-- Inserting rows of data into the Showing table

INSERT INTO Showing (showing_id, movie_id, theater_id, duration, display_type, showing_date, showing_time) **VALUES**

(1, 1, 1, '02:22:00', '2D', '2024-01-27', '18:00:00'),

(2, 2, 2, '02:55:00', '3D', '2024-01-27', '19:30:00'),

(3, 3, 3, '03:22:00', '2D', '2024-01-27', '20:00:00'),

(4, 4, 4, '02:32:00', 'IMAX', '2024-01-27', '21:00:00'),

(5, 5, 5, '01:36:00', '2D', '2024-01-27', '22:00:00'),

(6, 6, 6, '03:15:00', '3D', '2024-01-27', '23:00:00'),

(7, 7, 7, '02:48:00', '2D', '2024-01-27', '17:30:00'),

(8, 8, 8, '02:33:00', 'IMAX', '2024-01-27', '18:30:00'),

(9, 9, 9, '02:45:00', '2D', '2024-01-27', '19:00:00'),

(10, 10, 10, '02:19:00', '3D', '2024-01-27', '20:30:00'),

(11, 11, 11, '02:22:00', '2D', '2024-01-27', '21:30:00'),

(12, 12, 12, '02:58:00', 'IMAX', '2024-01-27', '22:30:00'),

(13, 13, 13, '02:51:00', '3D', '2024-01-27', '23:30:00'),

(14, 14, 14, '02:37:00', '2D', '2024-01-27', '18:45:00'),

(15, 15, 15, '02:02:00', 'IMAX', '2024-01-27', '19:45:00'),

(16, 16, 16, '02:28:00', '3D', '2024-01-27', '20:15:00'),

(17, 17, 17, '02:29:00', '2D', '2024-01-27', '21:45:00'),

(18, 18, 18, '02:33:00', 'IMAX', '2024-01-27', '22:45:00'),

(19, 19, 19, '02:09:00', '3D', '2024-01-27', '23:45:00'),

(20, 20, 20, '02:41:00', '2D', '2024-01-27', '17:15:00'),

(21, 21, 21, '02:59:00', 'IMAX', '2024-01-27', '18:15:00'),

(22, 22, 22, '02:52:00', '3D', '2024-01-27', '19:15:00'),

(23, 23, 23, '02:43:00', '2D', '2024-01-27', '20:45:00'),

(24, 24, 24, '02:26:00', 'IMAX', '2024-01-27', '21:15:00'),

(25, 25, 25, '02:39:00', '3D', '2024-01-27', '22:15:00'),

(26, 26, 26, '02:34:00', '2D', '2024-01-27', '23:15:00'),

(27, 27, 27, '03:00:00', 'IMAX', '2024-01-27', '17:00:00'),

(28, 28, 28, '02:45:00', '3D', '2024-01-27', '18:00:00'),

(29, 29, 29, '02:16:00', '2D', '2024-01-27', '19:00:00'),

(30, 30, 30, '02:30:00', 'IMAX', '2024-01-27', '20:00:00'),

(31, 31, 31, '02:27:00', '3D', '2024-01-27', '21:30:00'),

(32, 32, 32, '02:44:00', '2D', '2024-01-27', '22:30:00'),

```
(33, 33, 33, '02:19:00', 'IMAX', '2024-01-27', '23:30:00'),
(34, 34, 34, '02:51:00', '3D', '2024-01-27', '17:45:00'),
(35, 35, 35, '02:25:00', '2D', '2024-01-27', '18:45:00'),
(36, 36, 36, '02:42:00', 'IMAX', '2024-01-27', '19:45:00'),
(37, 37, 37, '02:38:00', '3D', '2024-01-27', '20:45:00'),
(38, 38, 38, '02:20:00', '2D', '2024-01-27', '21:15:00'),
(39, 39, 39, '02:56:00', 'IMAX', '2024-01-27', '22:45:00'),
(40, 40, 40, '02:49:00', '3D', '2024-01-27', '23:45:00'),
(41, 41, 41, '02:31:00', '2D', '2024-01-27', '17:30:00'),
(42, 42, 42, '02:47:00', 'IMAX', '2024-01-27', '18:30:00'),
(43, 43, 43, '02:37:00', '3D', '2024-01-27', '19:00:00'),
(44, 44, 44, '02:54:00', '2D', '2024-01-27', '20:30:00'),
(45, 45, 45, '02:33:00', 'IMAX', '2024-01-27', '21:30:00'),
(46, 46, 46, '02:58:00', '3D', '2024-01-27', '22:30:00'),
(47, 47, 47, '02:22:00', '2D', '2024-01-27', '23:30:00'),
(48, 48, 48, '02:50:00', 'IMAX', '2024-01-27', '17:15:00'),
(49, 49, 49, '02:24:00', '3D', '2024-01-27', '18:15:00'),
(50, 50, 50, '02:40:00', '2D', '2024-01-27', '19:15:00');

-- Inserting rows of data into the Ticket table

INSERT INTO Ticket (ticket_id, seat_number, price, showing_id, user_id,
theater_id, movie_id) VALUES
(1, 'A1', 12.50, 1, 1, 1, 1),
(2, 'B2', 15.00, 2, 2, 2, 2),
```

(3, 'C3', 10.00, 3, 3, 3, 3),

(4, 'D4', 8.50, 4, 4, 4, 4),

(5, 'E5', 14.00, 5, 5, 5, 5),

(6, 'F6', 9.00, 6, 6, 6, 6),

(7, 'G7', 11.50, 7, 7, 7, 7),

(8, 'H8', 13.75, 8, 8, 8, 8),

(9, 'I9', 16.25, 9, 9, 9, 9),

(10, 'J10', 10.50, 10, 10, 10, 10),

(11, 'A11', 12.00, 11, 11, 11, 11),

(12, 'B12', 14.25, 12, 12, 12, 12),

(13, 'C13', 8.75, 13, 13, 13, 13),

(14, 'D14', 15.50, 14, 14, 14, 14),

(15, 'E15', 11.00, 15, 15, 15, 15),

(16, 'F16', 10.25, 16, 16, 16, 16),

(17, 'G17', 13.00, 17, 17, 17, 17),

(18, 'H18', 9.75, 18, 18, 18, 18),

(19, 'I19', 12.75, 19, 19, 19, 19),

(20, 'J20', 14.00, 20, 20, 20, 20),

(21, 'A21', 16.50, 21, 21, 21, 21),

(22, 'B22', 11.25, 22, 22, 22, 22),

(23, 'C23', 13.25, 23, 23, 23, 23),

(24, 'D24', 15.75, 24, 24, 24, 24),

(25, 'E25', 9.50, 25, 25, 25, 25),

(26, 'F26', 12.25, 26, 26, 26, 26),

(27, 'G27', 14.75, 27, 27, 27, 27),

(28, 'H28', 8.25, 28, 28, 28, 28),

(29, 'I29', 11.75, 29, 29, 29, 29),

(30, 'J30', 13.00, 30, 30, 30, 30),

(31, 'A31', 15.25, 31, 31, 31, 31),

(32, 'B32', 10.00, 32, 32, 32, 32),

(33, 'C33', 12.00, 33, 33, 33, 33),

(34, 'D34', 14.50, 34, 34, 34, 34),

(35, 'E35', 16.00, 35, 35, 35, 35),

(36, 'F36', 8.00, 36, 36, 36, 36),

(37, 'G37', 11.00, 37, 37, 37, 37),

(38, 'H38', 13.50, 38, 38, 38, 38),

(39, 'I39', 9.25, 39, 39, 39, 39),

(40, 'J40', 12.75, 40, 40, 40, 40),

(41, 'A41', 15.00, 41, 41, 41, 41),

(42, 'B42', 10.50, 42, 42, 42, 42),

(43, 'C43', 12.50, 43, 43, 43, 43),

(44, 'D44', 14.00, 44, 44, 44, 44),

(45, 'E45', 16.50, 45, 45, 45, 45),

(46, 'F46', 11.25, 46, 46, 46, 46),

(47, 'G47', 13.25, 47, 47, 47, 47),

(48, 'H48', 15.75, 48, 48, 48, 48),

(49, 'I49', 9.50, 49, 49, 49, 49),

(50, 'J50', 12.25, 50, 50, 50, 50);

```
-- Inserting rows of data into the Awards table

INSERT INTO Awards (awards_id, movie_id, awards_name, year_awarded, nominees) VALUES

(1, 1, 'Oscar', 1995, 'Best Actor;Best Picture;Best Director'),

(2, 2, 'Golden Globe', 1973, 'Best Supporting Actor;Best Director'),

(3, 3, 'BAFTA', 1975, 'Best Actor;Best Supporting Actor;Best Director'),

(4, 4, 'Academy Award', 2009, 'Best Supporting Actor;Best Sound Mixing;Best Cinematography'),

(5, 5, 'Critics Choice Award', 1957, 'Best Picture;Best Director'),

(6, 6, 'Oscar', 1994, 'Best Picture;Best Director'),

(7, 7, 'Golden Globe', 2004, 'Best Picture;Best Director'),

(8, 8, 'Academy Award', 1995, 'Best Supporting Actor;Best Original Screenplay'),

(9, 9, 'Critics Choice Award', 1968, 'Best Director;Best Actor'),

(10, 10, 'Oscar', 2000, 'Best Sound Editing;Best Visual Effects'),

(11, 11, 'Golden Globe', 1995, 'Best Picture;Best Actor;Best Director'),

(12, 12, 'BAFTA', 2011, 'Best Original Screenplay;Best Cinematography'),

(13, 13, 'Academy Award', 2002, 'Best Picture;Best Director;Best Original Score'),

(14, 14, 'Golden Globe', 1981, 'Best Supporting Actor;Best Director'),

(15, 15, 'Oscar', 2003, 'Best Visual Effects;Best Sound Editing'),

(16, 16, 'Critics Choice Award', 1999, 'Best Screenplay;Best Editing'),

(17, 17, 'BAFTA', 1991, 'Best Director;Best Actor'),

(18, 18, 'Academy Award', 1996, 'Best Supporting Actor;Best Film Editing'),
```

(19, 19, 'Golden Globe', 2004, 'Best Foreign Language Film;Best Director'),

(20, 20, 'Oscar', 1999, 'Best Foreign Language Film;Best Actor'),

(21, 21, 'Critics Choice Award', 1992, 'Best Director;Best Actor'),

(22, 22, 'BAFTA', 1947, 'Best Picture;Best Director'),

(23, 23, 'Academy Award', 1999, 'Best Director;Best Cinematography'),

(24, 24, 'Golden Globe', 2000, 'Best Picture;Best Actor'),

(25, 25, 'Oscar', 1995, 'Best Actress;Best Supporting Actress'),

(26, 26, 'Critics Choice Award', 1996, 'Best Actor;Best Supporting Actor'),

(27, 27, 'BAFTA', 2002, 'Best Picture;Best Director'),

(28, 28, 'Academy Award', 2015, 'Best Visual Effects;Best Original Score'),

(29, 29, 'Golden Globe', 1999, 'Best Actor;Best Director'),

(30, 30, 'Oscar', 1994, 'Best Original Score;Best Original Song'),

(31, 31, 'Critics Choice Award', 2001, 'Best Picture;Best Actor'),

(32, 32, 'BAFTA', 2006, 'Best Picture;Best Director'),

(33, 33, 'Academy Award', 1986, 'Best Original Screenplay;Best Sound Mixing'),

(34, 34, 'Golden Globe', 2007, 'Best Picture;Best Director'),

(35, 35, 'Oscar', 2015, 'Best Supporting Actor;Best Sound Mixing'),

(36, 36, 'Critics Choice Award', 2012, 'Best Actor;Best Supporting Actor'),

(37, 37, 'BAFTA', 2003, 'Best Director;Best Actor'),

(38, 38, 'Academy Award', 1991, 'Best Picture;Best Director'),

(39, 39, 'Golden Globe', 1981, 'Best Actor;Best Actress'),

(40, 40, 'Oscar', 2007, 'Best Supporting Actor;Best Original Score'),

(41, 41, 'Critics Choice Award', 1999, 'Best Picture;Best Director'),

(42, 42, 'BAFTA', 1975, 'Best Picture;Best Director'),

(43, 43, 'Academy Award', 2004, 'Best Picture;Best Director;Best Adapted Screenplay'),

(44, 44, 'Golden Globe', 1994, 'Best Picture;Best Director'),

(45, 45, 'Oscar', 1994, 'Best Picture;Best Supporting Actor'),

(46, 46, 'Critics Choice Award', 2008, 'Best Director;Best Original Score'),

(47, 47, 'BAFTA', 1994, 'Best Actor;Best Actress'),

(48, 48, 'Academy Award', 1999, 'Best Supporting Actor;Best Original Screenplay'),

(49, 49, 'Golden Globe', 2010, 'Best Picture;Best Director'),

(50, 50, 'Oscar', 2002, 'Best Picture;Best Original Screenplay');

-- Inserting rows of data into the Payment table

INSERT INTO Payment (transaction_id, payment_date, total_payment, payment_method, ticket_id) VALUES

(1, '2023-01-01', 25.00, 'Credit Card', 1),

(2, '2023-01-02', 30.00, 'Debit Card', 2),

(3, '2023-01-03', 20.00, 'Cash', 3),

(4, '2023-01-04', 15.00, 'Credit Card', 4),

(5, '2023-01-05', 22.50, 'Credit Card', 5),

(6, '2023-01-06', 18.00, 'Debit Card', 6),

(7, '2023-01-07', 27.50, 'Cash', 7),

(8, '2023-01-08', 35.00, 'Credit Card', 8),

(9, '2023-01-09', 28.50, 'Credit Card', 9),

(10, '2023-01-10', 40.00, 'Debit Card', 10),

(11, '2023-01-11', 17.50, 'Cash', 11),

(12, '2023-01-12', 32.00, 'Credit Card', 12),

(13, '2023-01-13', 19.50, 'Credit Card', 13),

(14, '2023-01-14', 24.00, 'Debit Card', 14),

(15, '2023-01-15', 21.00, 'Cash', 15),

(16, '2023-01-16', 26.50, 'Credit Card', 16),

(17, '2023-01-17', 23.00, 'Credit Card', 17),

(18, '2023-01-18', 37.50, 'Debit Card', 18),

(19, '2023-01-19', 29.50, 'Cash', 19),

(20, '2023-01-20', 33.00, 'Credit Card', 20),

(21, '2023-01-21', 16.50, 'Credit Card', 21),

(22, '2023-01-22', 42.00, 'Debit Card', 22),

(23, '2023-01-23', 26.00, 'Cash', 23),

(24, '2023-01-24', 31.50, 'Credit Card', 24),

(25, '2023-01-25', 22.50, 'Credit Card', 25),

(26, '2023-01-26', 39.00, 'Debit Card', 26),

(27, '2023-01-27', 19.00, 'Cash', 27),

(28, '2023-01-28', 28.50, 'Credit Card', 28),

(29, '2023-01-29', 20.50, 'Credit Card', 29),

(30, '2023-01-30', 36.00, 'Debit Card', 30),

(31, '2023-01-31', 18.50, 'Cash', 31),

(32, '2023-02-01', 25.00, 'Credit Card', 32),

(33, '2023-02-02', 30.00, 'Debit Card', 33),

(34, '2023-02-03', 20.00, 'Cash', 34),

(35, '2023-02-04', 15.00, 'Credit Card', 35),

```
(36, '2023-02-05', 22.50, 'Credit Card', 36),
(37, '2023-02-06', 18.00, 'Debit Card', 37),
(38, '2023-02-07', 27.50, 'Cash', 38),
(39, '2023-02-08', 35.00, 'Credit Card', 39),
(40, '2023-02-09', 28.50, 'Credit Card', 40),
(41, '2023-02-10', 40.00, 'Debit Card', 41),
(42, '2023-02-11', 17.50, 'Cash', 42),
(43, '2023-02-12', 32.00, 'Credit Card', 43),
(44, '2023-02-13', 19.50, 'Credit Card', 44),
(45, '2023-02-14', 24.00, 'Debit Card', 45),
(46, '2023-02-15', 21.00, 'Cash', 46),
(47, '2023-02-16', 26.50, 'Credit Card', 47),
(48, '2023-02-17', 23.00, 'Credit Card', 48),
(49, '2023-02-18', 37.50, 'Debit Card', 49),
(50, '2023-02-19', 29.50, 'Cash', 50);

-- Inserting rows of data into the Feedback table

INSERT INTO Feedback (feedback_id, feedback_date, description, user_id,
movie_id) VALUES

(1, '2023-01-01', 'Excellent movie, highly recommended!', 1, 1),
(2, '2023-01-02', 'The storyline was captivating.', 2, 2),
(3, '2023-01-03', 'Amazing performance by the actors.', 3, 3),
(4, '2023-01-04', 'Loved the special effects!', 4, 4),
(5, '2023-01-05', 'Great soundtrack, added depth to the scenes.', 5, 5),
```

(6, '2023-01-06', 'The cinematography was outstanding.', 6, 6),

(7, '2023-01-07', 'Interesting plot twists throughout the movie.', 7, 7),

(8, '2023-01-08', 'A masterpiece of storytelling.', 8, 8),

(9, '2023-01-09', 'Incredible direction and editing.', 9, 9),

(10, '2023-01-10', 'Emotionally moving performance by the cast.', 10, 10),

(11, '2023-01-11', 'Thought-provoking themes explored.', 11, 11),

(12, '2023-01-12', 'Impressive visual effects.', 12, 12),

(13, '2023-01-13', 'A classic movie that everyone should watch.', 13, 13),

(14, '2023-01-14', 'Well-paced and engaging storyline.', 14, 14),

(15, '2023-01-15', 'Brilliant acting performances.', 15, 15),

(16, '2023-01-16', 'The movie kept me on the edge of my seat.', 16, 16),

(17, '2023-01-17', 'One of the best movies I''ve ever seen.', 17, 17),

(18, '2023-01-18', 'The ending left me speechless.', 18, 18),

(19, '2023-01-19', 'Fantastic character development.', 19, 19),

(20, '2023-01-20', 'A visually stunning film.', 20, 20),

(21, '2023-01-21', 'Captivating from start to finish.', 21, 21),

(22, '2023-01-22', 'An emotional rollercoaster.', 22, 22),

(23, '2023-01-23', 'The movie left a lasting impression.', 23, 23),

(24, '2023-01-24', 'Thoughtful and thought-provoking.', 24, 24),

(25, '2023-01-25', 'Memorable scenes that stayed with me.', 25, 25),

(26, '2023-01-26', 'An exceptional cinematic experience.', 26, 26),

(27, '2023-01-27', 'One of my all-time favorites.', 27, 27),

(28, '2023-01-28', 'The movie exceeded my expectations.', 28, 28),

(29, '2023-01-29', 'Bravo to the entire cast and crew.', 29, 29),

(30, '2023-01-30', 'A must-watch for film enthusiasts.', 30, 30),

(31, '2023-01-31', 'Thoroughly enjoyed every minute of it.', 31, 31),

(32, '2023-02-01', 'The movie was beautifully crafted.', 32, 32),

(33, '2023-02-02', 'Engaging storyline with great character development.', 33, 33),

(34, '2023-02-03', 'The movie left me wanting more.', 34, 34),

(35, '2023-02-04', 'An instant classic.', 35, 35),

(36, '2023-02-05', 'The performances were outstanding.', 36, 36),

(37, '2023-02-06', 'A film that resonates long after it ends.', 37, 37),

(38, '2023-02-07', 'An absolute gem of a movie.', 38, 38),

(39, '2023-02-08', 'Well-written screenplay with powerful dialogues.', 39, 39),

(40, '2023-02-09', 'Highly recommended for all ages.', 40, 40),

(41, '2023-02-10', 'A cinematic masterpiece.', 41, 41),

(42, '2023-02-11', 'I was completely immersed in the story.', 42, 42),

(43, '2023-02-12', 'A movie that makes you think.', 43, 43),

(44, '2023-02-13', 'The movie had me laughing and crying.', 44, 44),

(45, '2023-02-14', 'Brilliantly directed and executed.', 45, 45),

(46, '2023-02-15', 'A thought-provoking exploration of humanity.', 46, 46),

(47, '2023-02-16', 'The movie stayed true to its source material.', 47, 47),

(48, '2023-02-17', 'The soundtrack added depth to the storytelling.', 48, 48),

(49, '2023-02-18', 'A cinematic journey worth taking.', 49, 49),

(50, '2023-02-19', 'A film that leaves a lasting impact.', 50, 50);

-- Inserting rows of data into the Genre table

```
INSERT INTO Genre (genre_id, genre_name) VALUES
(1, 'Action'),
(2, 'Adventure'),
(3, 'Animation'),
(4, 'Comedy'),
(5, 'Crime'),
(6, 'Drama'),
(7, 'Fantasy'),
(8, 'Horror'),
(9, 'Mystery'),
(10, 'Romance'),
(11, 'Sci-Fi'),
(12, 'Thriller'),
(13, 'Biography'),
(14, 'Documentary'),
(15, 'Family'),
(16, 'History'),
(17, 'Music'),
(18, 'Musical'),
(19, 'Sport'),
(20, 'War'),
(21, 'Western'),
(22, 'Crime Fiction'),
(23, 'Historical'),
```

(24, 'Legal'),

(25, 'Medical'),

(26, 'Melodrama'),

(27, 'Paranoid Fiction'),

(28, 'Political'),

(29, 'Psychological Thriller'),

(30, 'Social Thriller'),

(31, 'Spy'),

(32, 'Supernatural'),

(33, 'Erotic Thriller'),

(34, 'Gothic'),

(35, 'Psychological'),

(36, 'Legal Thriller'),

(37, 'Space Western'),

(38, 'Tech Noir'),

(39, 'Television Movie'),

(40, 'Travel'),

(41, 'War Comedy'),

(42, 'War Drama'),

(43, 'War Romance'),

(44, 'Zombie'),

(45, 'Film Noir'),

(46, 'Neo-Noir'),

(47, 'Sci-Fi Thriller'),

```
(48, 'Teen'),
(49, 'Teen Drama'),
(50, 'Teen Romance');

-- Inserting rows of data into the Movie_genre table
INSERT INTO Movie_genre (movie_id, genre_id) VALUES
(1, 6),
(2, 6),
(3, 6),
(4, 11),
(5, 6),
(6, 6),
(7, 7),
(8, 4),
(9, 4),
(10, 6),
(11, 6),
(12, 11),
(13, 7),
(14, 7),
(15, 7),
(16, 11),
(17, 5),
(18, 5),
```

(19, 5),

(20, 6),

(21, 6),

(22, 6),

(23, 6),

(24, 6),

(25, 6),

(26, 5),

(27, 3),

(28, 11),

(29, 5),

(30, 15),

(31, 7),

(32, 11),

(33, 11),

(34, 5),

(35, 12),

(36, 6),

(37, 6),

(38, 6),

(39, 5),

(40, 6),

(41, 11),

(42, 6),

```
(43, 7),
(44, 4),
(45, 6),
(46, 6),
(47, 7),
(48, 11),
(49, 11),
(50, 7);

-- Inserting rows of data into the Director table
INSERT INTO Director (director_id, first_name, last_name) VALUES
(1, 'Frank', 'Darabont'),
(2, 'Francis Ford', 'Coppola'),
(3, 'Christopher', 'Nolan'),
(4, 'Sidney', 'Lumet'),
(5, 'Steven', 'Spielberg'),
(6, 'Quentin', 'Tarantino'),
(7, 'Sergio', 'Leone'),
(8, 'David', 'Fincher'),
(9, 'Fernando', 'Meirelles'),
(10, 'Roberto', 'Benigni'),
(11, 'Jonathan', 'Demme'),
(12, 'Frank', 'Capra'),
(13, 'James', 'Cameron'),
```

(14, 'Irvin', 'Kershner'),

(15, 'Peter', 'Jackson'),

(16, 'Lana', 'Wachowski'),

(17, 'Martin', 'Scorsese'),

(18, 'David', 'Lean'),

(19, 'Tom', 'Hanks'),

(20, 'Luc', 'Besson'),

(21, 'Hayao', 'Miyazaki'),

(22, 'Christopher', 'Nolan'),

(23, 'Denis', 'Villeneuve'),

(24, 'Stanley', 'Kubrick'),

(25, 'Bryan', 'Singer'),

(26, 'Mel', 'Gibson'),

(27, 'Isao', 'Takahata'),

(28, 'Matthew', 'Vaughn'),

(29, 'Tony', 'Kaye'),

(30, 'Roger', 'Allers'),

(31, 'Ridley', 'Scott'),

(32, 'Christopher', 'Nolan'),

(33, 'Robert', 'Zemeckis'),

(34, 'Martin', 'Scorsese'),

(35, 'Damien', 'Chazelle'),

(36, 'Olivier', 'Nakache'),

(37, 'Roman', 'Polanski'),

```
(38, 'Jonathan', 'Demme'),
(39, 'Stanley', 'Kubrick'),
(40, 'Martin', 'Scorsese'),
(41, 'Frank', 'Darabont'),
(42, 'Christopher', 'Nolan'),
(43, 'Peter', 'Jackson'),
(44, 'Quentin', 'Tarantino'),
(45, 'Frank', 'Darabont'),
(46, 'Steven', 'Spielberg'),
(47, 'Christopher', 'Nolan'),
(48, 'John', 'Landis'),
(49, 'Christopher', 'Nolan'),
(50, 'Peter', 'Jackson');

-- Inserting rows of data into the Movie_director table
INSERT INTO Movie_director (movie_id, director_id) VALUES
(1, 1),
(2, 2),
(3, 2),
(4, 3),
(5, 4),
(6, 5),
(7, 6),
(8, 6),
```

(9, 7),

(10, 8),

(11, 9),

(12, 3),

(13, 15),

(14, 14),

(15, 15),

(16, 16),

(17, 17),

(18, 17),

(19, 9),

(20, 9),

(21, 18),

(22, 3),

(23, 5),

(24, 5),

(25, 17),

(26, 3),

(27, 21),

(28, 3),

(29, 22),

(30, 29),

(31, 31),

(32, 3),

```
(33, 32),
(34, 34),
(35, 35),
(36, 36),
(37, 37),
(38, 11),
(39, 24),
(40, 17),
(41, 1),
(42, 3),
(43, 15),
(44, 6),
(45, 1),
(46, 5),
(47, 3),
(48, 33),
(49, 3),
(50, 15);

-- Inserting rows of data into the Actor table
INSERT INTO Actor (actor_id, first_name, last_name, role) VALUES
(1, 'Tim', 'Robbins', 'Andy Dufresne'),
(2, 'Morgan', 'Freeman', 'Ellis Boyd "Red" Redding'),
(3, 'Marlon', 'Brando', 'Vito Corleone'),
```

(4, 'Al', 'Pacino', 'Michael Corleone'),

(5, 'Robert', 'De Niro', 'Vito Corleone (young)'),

(6, 'James', 'Caan', 'Sonny Corleone'),

(7, 'Richard', 'Castellano', 'Peter Clemenza'),

(8, 'Robert', 'Duvall', 'Tom Hagen'),

(9, 'Clint', 'Eastwood', 'Blondie ("The Man with No Name")'),

(10, 'Eli', 'Wallach', 'Tuco ("The Ugly")'),

(11, 'Lee', 'Van Cleef', 'Angel Eyes ("The Bad")'),

(12, 'Edward', 'Norton', 'The Narrator'),

(13, 'Brad', 'Pitt', 'Tyler Durden'),

(14, 'Helena', 'Bonham Carter', 'Marla Singer'),

(15, 'Edward', 'Furlong', 'John Connor'),

(16, 'Linda', 'Hamilton', 'Sarah Connor'),

(17, 'Arnold', 'Schwarzenegger', 'The Terminator'),

(18, 'Joe', 'Pesci', 'Tommy DeVito'),

(19, 'Ray', 'Liotta', 'Henry Hill'),

(20, 'Robert', 'De Niro', 'James Conway'),

(21, 'Russell', 'Crowe', 'Maximus'),

(22, 'Joaquin', 'Phoenix', 'Commodus'),

(23, 'Connie', 'Nielsen', 'Lucilla'),

(24, 'Anthony', 'Hopkins', 'Hannibal Lecter'),

(25, 'Jodie', 'Foster', 'Clarice Starling'),

(26, 'Jack', 'Nicholson', 'Jack Torrance'),

(27, 'Shelley', 'Duvall', 'Wendy Torrance'),

(28, 'Leonardo', 'DiCaprio', 'Cobb'),

(29, 'Joseph', 'Gordon-Levitt', 'Arthur'),

(30, 'Ellen', 'Page', 'Ariadne'),

(31, 'Tom', 'Hardy', 'Eames'),

(32, 'Michael', 'Caine', 'Miles'),

(33, 'Michael', 'J.', 'Marty McFly'),

(34, 'Christopher', 'Lloyd', 'Doc Brown'),

(35, 'Lea', 'Thompson', 'Lorraine Baines'),

(36, 'Charlie', 'Sheen', 'Chris'),

(37, 'Emilio', 'Estevez', 'Gordon Bombay'),

(38, 'François', 'Cluzet', 'Philippe'),

(39, 'Omar', 'Sy', 'Driss'),

(40, 'Anne', 'Le Ny', 'Yvonne'),

(41, 'Jeremy', 'Theobald', 'The Young Man'),

(42, 'Alex', 'Haw', 'The Bald Guy'),

(43, 'Lucien', 'Carr', 'David'),

(44, 'William', 'S. Burroughs', 'Old Bull Lee'),

(45, 'Ben', 'Foster', 'William S. Burroughs'),

(46, 'Toni', 'Collette', 'Lynn Sear'),

(47, 'Olivia', 'Williams', 'Anna Crowe'),

(48, 'Bruce', 'Willis', 'Malcolm Crowe'),

(49, 'Hayao', 'Miyazaki', 'Voice Actor'),

(50, 'Rumi', 'Hiiragi', 'Voice Actress');

```
-- Inserting rows of data into the Movie_actor table

INSERT INTO Movie_actor (movie_id, actor_id) VALUES

(1, 1),

(1, 2),

(2, 3),

(2, 4),

(2, 5),

(2, 6),

(2, 7),

(2, 8),

(3, 3),

(3, 4),

(3, 5),

(3, 6),

(3, 7),

(3, 8),

(4, 9),

(4, 10),

(4, 11),

(5, 12),

(5, 13),

(5, 14),

(6, 15),
```

(6, 16),

(6, 17),

(7, 18),

(7, 19),

(7, 20),

(8, 21),

(8, 22),

(8, 23),

(9, 24),

(9, 25),

(9, 26),

(10, 27),

(10, 28),

(10, 29),

(11, 30),

(11, 31),

(11, 32),

(12, 33),

(12, 34),

(12, 35),

(13, 36),

(13, 37),

(13, 38),

(14, 39),

```
(14, 40),
(14, 41),
(15, 42),
(15, 43),
(15, 44),
(16, 45),
(16, 46),
(16, 47),
(17, 48),
(17, 49),
(17, 50);

-- Insert data entries into the Movie_feedback table
INSERT INTO Movie_feedback (movie_id, feedback_id) VALUES
(1, 1),
(1, 2),
(1, 3),
(2, 4),
(2, 5),
(2, 6),
(3, 7),
(3, 8),
(3, 9),
(4, 10),
```

(4, 11),

(4, 12),

(5, 13),

(5, 14),

(5, 15),

(6, 16),

(6, 17),

(6, 18),

(7, 19),

(7, 20),

(7, 21),

(8, 22),

(8, 23),

(8, 24),

(9, 25),

(9, 26),

(9, 27),

(10, 28),

(10, 29),

(10, 30),

(11, 31),

(11, 32),

(11, 33),

(12, 34),

```
(12, 35),
(12, 36),
(13, 37),
(13, 38),
(13, 39),
(14, 40),
(14, 41),
(14, 42),
(15, 43),
(15, 44),
(15, 45),
(16, 46),
(16, 47),
(16, 48),
(17, 49),
(17, 50);

-- Insert data entries into the Device table
INSERT INTO Device (device_id, user_id) VALUES
(1, 1),
(2, 2),
(3, 3),
(4, 4),
(5, 5),
```

(6, 6),

(7, 7),

(8, 8),

(9, 9),

(10, 10),

(11, 11),

(12, 12),

(13, 13),

(14, 14),

(15, 15),

(16, 16),

(17, 17),

(18, 18),

(19, 19),

(20, 20),

(21, 21),

(22, 22),

(23, 23),

(24, 24),

(25, 25),

(26, 26),

(27, 27),

(28, 28),

(29, 29),

```
(30, 30),
(31, 31),
(32, 32),
(33, 33),
(34, 34),
(35, 35),
(36, 36),
(37, 37),
(38, 38),
(39, 39),
(40, 40),
(41, 41),
(42, 42),
(43, 43),
(44, 44),
(45, 45),
(46, 46),
(47, 47),
(48, 48),
(49, 49),
(50, 50);

-- Insert data entries into the User_account table
INSERT INTO User_account (username, password, user_id, device_id) VALUES
```

('user1', 'password1', 1, 1),

('user2', 'password2', 2, 2),

('user3', 'password3', 3, 3),

('user4', 'password4', 4, 4),

('user5', 'password5', 5, 5),

('user6', 'password6', 6, 6),

('user7', 'password7', 7, 7),

('user8', 'password8', 8, 8),

('user9', 'password9', 9, 9),

('user10', 'password10', 10, 10),

('user11', 'password11', 11, 11),

('user12', 'password12', 12, 12),

('user13', 'password13', 13, 13),

('user14', 'password14', 14, 14),

('user15', 'password15', 15, 15),

('user16', 'password16', 16, 16),

('user17', 'password17', 17, 17),

('user18', 'password18', 18, 18),

('user19', 'password19', 19, 19),

('user20', 'password20', 20, 20),

('user21', 'password21', 21, 21),

('user22', 'password22', 22, 22),

('user23', 'password23', 23, 23),

('user24', 'password24', 24, 24),

('user25', 'password25', 25, 25),

('user26', 'password26', 26, 26),

('user27', 'password27', 27, 27),

('user28', 'password28', 28, 28),

('user29', 'password29', 29, 29),

('user30', 'password30', 30, 30),

('user31', 'password31', 31, 31),

('user32', 'password32', 32, 32),

('user33', 'password33', 33, 33),

('user34', 'password34', 34, 34),

('user35', 'password35', 35, 35),

('user36', 'password36', 36, 36),

('user37', 'password37', 37, 37),

('user38', 'password38', 38, 38),

('user39', 'password39', 39, 39),

('user40', 'password40', 40, 40),

('user41', 'password41', 41, 41),

('user42', 'password42', 42, 42),

('user43', 'password43', 43, 43),

('user44', 'password44', 44, 44),

('user45', 'password45', 45, 45),

('user46', 'password46', 46, 46),

('user47', 'password47', 47, 47),

('user48', 'password48', 48, 48),

```
('user49', 'password49', 49, 49),
('user50', 'password50', 50, 50);

-- Insert data entries into the Platform table
INSERT INTO Platform (platform_id, platform_type) VALUES
(1, 'website'),
(2, 'application'),
(3, 'website'),
(4, 'application'),
(5, 'website'),
(6, 'application'),
(7, 'website'),
(8, 'application'),
(9, 'website'),
(10, 'application'),
(11, 'website'),
(12, 'application'),
(13, 'website'),
(14, 'application'),
(15, 'website'),
(16, 'application'),
(17, 'website'),
(18, 'application'),
(19, 'website'),
```

(20, 'application'),

(21, 'website'),

(22, 'application'),

(23, 'website'),

(24, 'application'),

(25, 'website'),

(26, 'application'),

(27, 'website'),

(28, 'application'),

(29, 'website'),

(30, 'application'),

(31, 'website'),

(32, 'application'),

(33, 'website'),

(34, 'application'),

(35, 'website'),

(36, 'application'),

(37, 'website'),

(38, 'application'),

(39, 'website'),

(40, 'application'),

(41, 'website'),

(42, 'application'),

(43, 'website'),

```
(44, 'application'),
(45, 'website'),
(46, 'application'),
(47, 'website'),
(48, 'application'),
(49, 'website'),
(50, 'application');

-- Insert data entries into the Booking table
INSERT INTO Booking (booking_id, user_id, device_id, platform_id) VALUES
(1, 1, 1, 1),
(2, 2, 2, 2),
(3, 3, 3, 1),
(4, 4, 4, 2),
(5, 5, 5, 1),
(6, 6, 6, 2),
(7, 7, 7, 1),
(8, 8, 8, 2),
(9, 9, 9, 1),
(10, 10, 10, 2),
(11, 11, 11, 1),
(12, 12, 12, 2),
(13, 13, 13, 1),
(14, 14, 14, 2),
```

(15, 15, 15, 1),

(16, 16, 16, 2),

(17, 17, 17, 1),

(18, 18, 18, 2),

(19, 19, 19, 1),

(20, 20, 20, 2),

(21, 21, 21, 1),

(22, 22, 22, 2),

(23, 23, 23, 1),

(24, 24, 24, 2),

(25, 25, 25, 1),

(26, 26, 26, 2),

(27, 27, 27, 1),

(28, 28, 28, 2),

(29, 29, 29, 1),

(30, 30, 30, 2),

(31, 31, 31, 1),

(32, 32, 32, 2),

(33, 33, 33, 1),

(34, 34, 34, 2),

(35, 35, 35, 1),

(36, 36, 36, 2),

(37, 37, 37, 1),

(38, 38, 38, 2),

```
(39, 39, 39, 1),
(40, 40, 40, 2),
(41, 41, 41, 1),
(42, 42, 42, 2),
(43, 43, 43, 1),
(44, 44, 44, 2),
(45, 45, 45, 1),
(46, 46, 46, 2),
(47, 47, 47, 1),
(48, 48, 48, 2),
(49, 49, 49, 1),
(50, 50, 50, 2);


-- Update the rating of a movie

UPDATE Movie

SET rating = 'PG'

WHERE title = 'The Shawshank Redemption';


-- Increment the ticket price by 10% for all tickets
```

```
UPDATE Ticket

SET price = price * 1.10;


-- Update the location of a theater

UPDATE Theater

SET location = 'New Location'

WHERE theater_name = 'ABC Theater';


-- Update the role of an actor

UPDATE Actor

SET role = 'Main Character'

WHERE first_name = 'Tom' AND last_name = 'Hardy';
```

```sql
--Update the payment method for a transaction

UPDATE Payment

SET payment_method = 'Credit Card'

WHERE transaction_id = 1001;



-- Modify the datatype of the 'duration' column in the Showing table from TIME to VARCHAR(50)

ALTER TABLE Showing

MODIFY duration VARCHAR(50);
```