Rockbuster Stealth LLC

Data Dictionary

Contents

Legend:

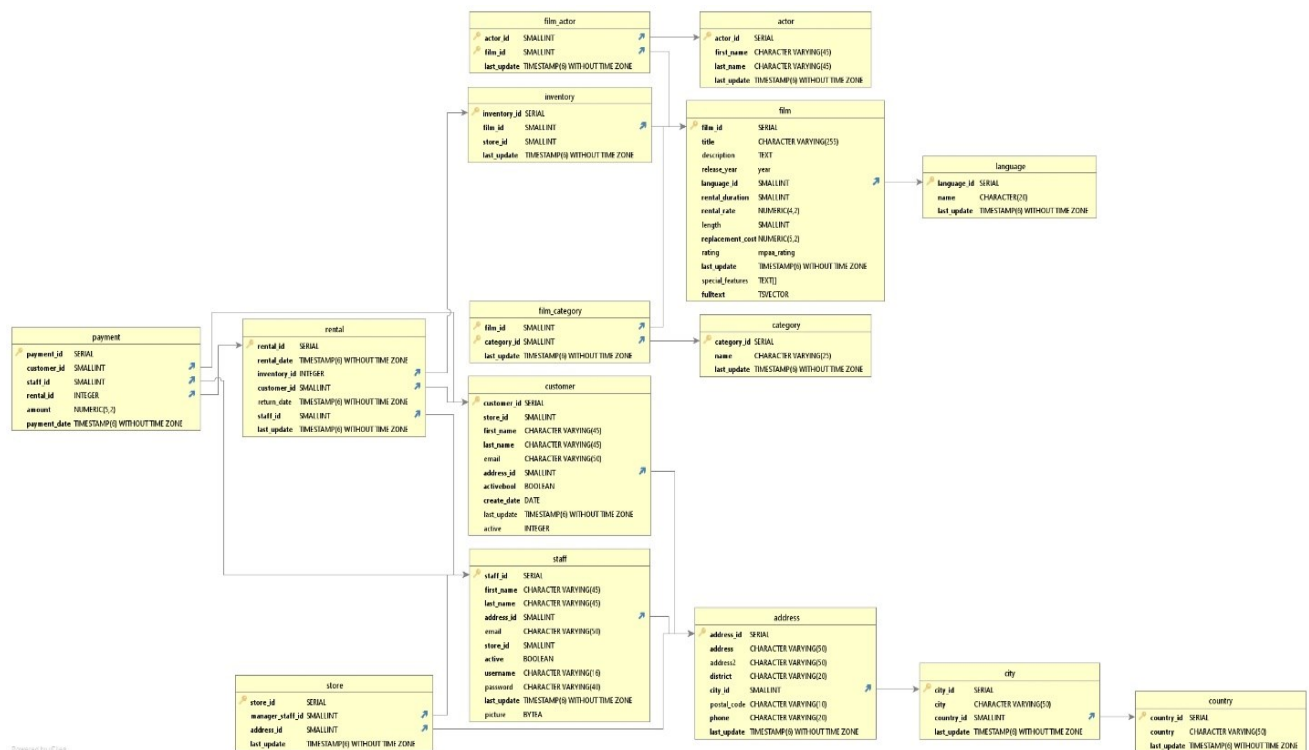| Symbol	Name	Description
🔑	**Primary Key**	Acts a unique identifier for records in given table.
↗	**Foreign Key**	Column(s) that refer to the primary key(s) in another table(s)

Entity Relationship Diagram (ERD)

Tables:

Fact Tables:

Rental Table:

Column	Data Type	Description
🔑 Rental_id	SERIAL	Unique ID assigned to transaction (rental)
Rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental
↗ Inventory_id	INTEGER	ID assigned to item rented
↗ Customer_id	SMALLINT	ID assigned to customer
Return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Return Date
↗ Staff_id	SMALLINT	ID assigned to staff
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Rental (table title)

Dimension Tables:

Payment Table:

Column	Data Type	Description
🔑 Payment_id	SERIAL	Unique ID assigned to payment
↗ Customer_id	SMALLINT	ID assigned to customer
↗ Staff_id	SMALLINT	ID assigned to staff
↗ Rental_id	INTEGER	ID assigned to rental
amount	NUMERIC(5,2)	Amount paid
Payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment

Payment (table title)

Film Actor Table:

Column	Data Type	Description
🔑 Actor_id	SMALLINT	ID assigned to actor
↗ Film_id	SMALLINT	ID assigned to film
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Film_actor (table title)

Inventory Table:

Inventory		
Column	**Data Type**	**Description**
🔑 Inventory_id	SERIAL	ID assigned to item
↗ Film_id	SMALLINT	ID assigned to film
Store_id	SMALLINT	ID assigned to store
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Film Category Table:

Film_category		
Column	**Data Type**	**Description**
🔑 Film_id	SMALLINT	ID assigned to film
↗ category_id	SMALLINT	ID assigned to film category
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Customer Table:

Customer		
Column	**Data Type**	**Description**
🔑 Customer_id	SMALLINT	ID assigned to customer
↗ Store_id	SMALLINT	ID assigned to store
First_name	CHARACTER VARYING (45)	First name of customer
Last_name	CHARACTER VARYING (45)	Last name of customer
Email	CHARACTER VARYING (50)	Email address of customer
↗ Address_id	SMALLINT	ID assigned to customer's address
Activebool	BOOLEAN	How active customer is
Create_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry created
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated
active	INTEGER	IF customer is active

Staff Table:

Staff		
Column	**Data Type**	**Description**
🔑 Staff_id	SMALLINT	ID assigned to staff
First_name	CHARACTER VARYING (45)	First name of staff
Last_name	CHARACTER VARYING (45)	Last name of staff
↗ Address_id	SMALLINT	ID assigned to staff address
Email	CHARACTER VARYING (50)	Email address of staff
↗ Store_id	SMALLINT	ID assigned to store
active	OOLEAN	IF staff is active
Username	CHARACTER VARYING (16)	Staff username
Password	CHARACTER VARYING (40)	Staff password
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated
Picture	BYTEA	Picture of staff member

Store Table:

Store		
Column	**Data Type**	**Description**
🔑 Store_id	SERIAL	ID assigned to store
↗ Manager_staff_id	SMALLINT	ID assigned to store manager
↗ Address_id	SMALLINT	ID assigned to store address
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Actor Table:

Actor		
Column	**Data Type**	**Description**
🔑 Actor_id	SMALLINT	ID assigned to actor
First_name	CHARACTER VARYING (45)	First name of actor
Last_name	CHARACTER VARYING (45)	Last name of actor
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Film Table:

Film		
Column	**Data Type**	**Description**
🔑 Film_id	SMALLINT	ID assigned to film
Title	CHARACTER VARYING (255)	Title of film
Description	Text	Description of film
Release_year	Year	Year of film release
↗ Language_ID	SMALLINT	ID assigned to film language
Rental_duration	SMALLINT	Duration of rental
Rental_rate	NUMERIC(4,2)	Price of film rental
Length	SMALLINT	Length of flim
Replacement_cost	NUMERIC(4,2)	Cost of replacement
Rating	Mpaa_rating	MPAA film rating
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated
Special_features	TEXTI]	Film special features
Fulltext	TSVECTOR	Keywords associated with film

Language Table:

language		
Column	**Data Type**	**Description**
🔑 Language_ID	SMALLINT	ID assigned to film language
Name	CHARACTER(20)	Name of language
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Category Table:

Category		
Column	**Data Type**	**Description**
🔑 category_id	SERIAL	ID assigned to film category
Name	CHARACTER VARYING(25)	Name of category
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Address Table:

Address		
Column	**Data Type**	**Description**
🔑 Address_id	SERIAL	ID assigned to store address
Address	CHARACTER VARYING(50)	Street address
Address2	CHARACTER VARYING(50)	Supplemental street address
District	CHARACTER VARYING(20)	District
↗ City_id	SMALLINT	City
Postal_code	CHARACTER VARYING(10)	Postal code
Phone	CHARACTER VARYING(20)	Phone number
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

City Table:

City		
Column	**Data Type**	**Description**
🔑 City_id	SERIAL	ID assigned to city
City	CHARACTER VARYING(50)	City
↗ Country_id	SMALLINT	ID assigned to country
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated

Country Table:

Country		
Column	**Data Type**	**Description**
↗ Country_id	SERIAL	ID assigned to country
Country	CHARACTER VARYING(50)	Country
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry last updated