

Rockbuster Stealth, LLC

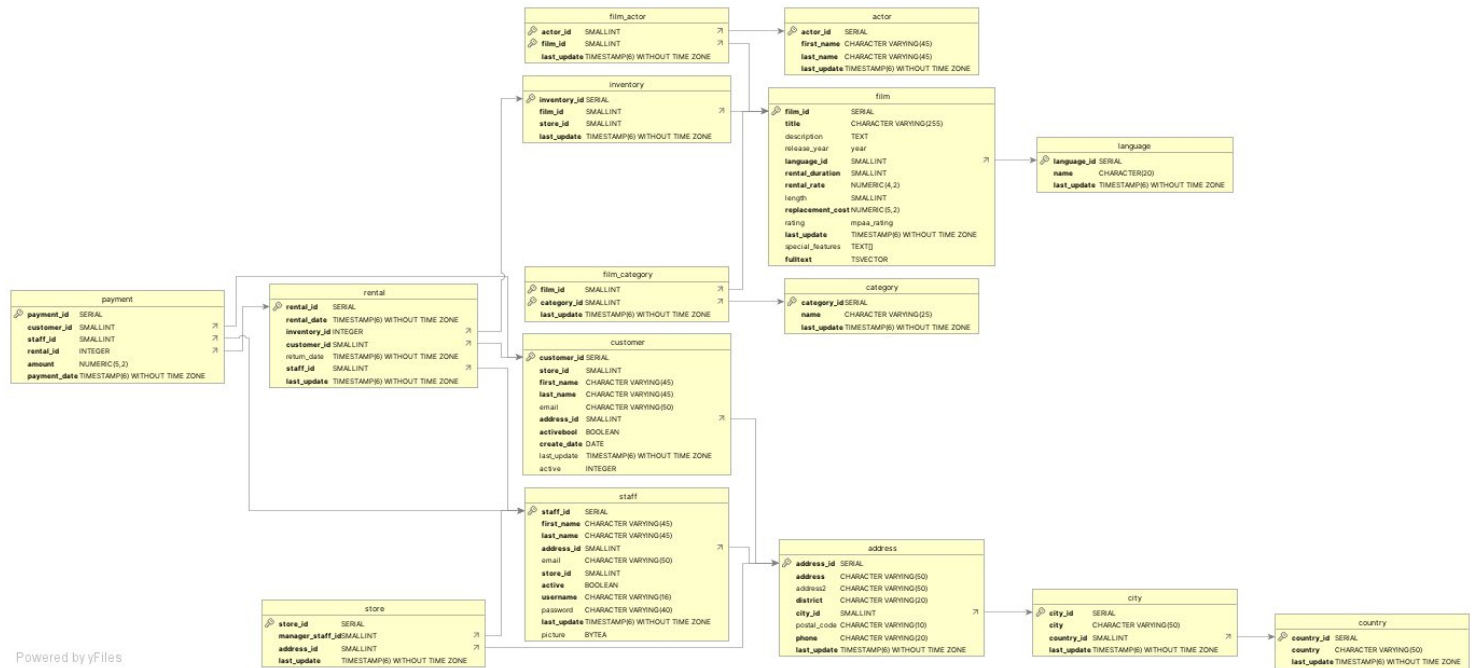
Data Dictionary






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1.Entity relationship diagram: Rockbuster ERD







2. Legend





	PRIMARY KEY
	FOREIGN KEY
	COMPOSITE KEY

3. Fact Tables

RENTAL




Columns	Data type	Description
rental_id 	SERIAL	Primary key, unique identifier of the rental transaction
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when item was rented
inventory_id 	INTEGER	Foreign key, identify a film availability.
customer_id 	SMALLINT	Foreign key, identify the customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date set as return date of the rental.
staff_id 	SMALLINT	Foreign key, identify Rockbuster's employees.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.

PAYMENT




Columns	Data type	Description
payment_id 	SERIAL	Primary key, unique identifier of payment transaction.
customer_id 	SMALLINT	Foreign key, identify the customer
staff_id 	SMALLINT	Foreign key, identify Rockbuster's employees
rental_id 	INTEGER	Foreign key, identify the rental transaction.
amount	NUMERIC(5,2)	Number with max 5 digits, and 2 decimals.
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when payment transaction happened.

4.Dimension Tables




CUSTOMER

Columns	Data type	Description
customer_id 	SERIAL	Primary key, identify the customers
store_id 	SMALLINT	Small integer, unique number to identify Rockbuster's stores or branches.
first_name	CHARACTER VARYING(45)	Customer's first name, max 45 characters
last_name	CHARACTER VARYING(45)	Customer's last name, max 45 characters
email	CHARACTER VARYING(50)	Customer's email. Max 50 characters
address_id 	SMALLINT	Foreign key, customer's address, linked to Address table
activebool	BOOLEAN	True or false statement to indicate the customer account status.
create_date	DATE	Date type, Date when the customer's accounts are created.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data
active	INTEGER	Integer, a number to indicate whether the customer account is active or not



STAFF

Columns	Data type	Description
staff_id 	SERIAL	Primary key, identify Rockbuster's employee
first_name	CHARACTER VARYING(45)	Employee's first name, max 45 characters
last_name	CHARACTER VARYING(45)	Employee's last name, max 45 characters
address_id 	SMALLINT	Foreign key, employee's address, linked to Address table
email	CHARACTER VARYING(50)	Employee's email. Max 50 characters
store_id 	SMALLINT	Small integer, unique number to identify Rockbuster's stores or branches.
active	BOOLEAN	True or false statement to indicate the employee's status
username	CHARACTER VARYING(16)	Employee's username. Max 16 characters
password	CHARACTER VARYING(40)	Employee's password. Max 40 characters
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data
picture	BYTEA	Employee's picture. Bytea type is used to store images as binary data.



STORE

Columns	Data type	Description
store_id 	SERIAL	Primary key, identify the stores in Rockbuster's company.
manager_staff_id 	SMALLINT	Foreign key, identify the manager staff, linked to Staff table
address_id 	SMALLINT	Foreign key, identify the store address, linked to Address table
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data


ADDRESS

Columns	Data type	Description
adress_id 	SERIAL	Primary key, identify the address in this table.
address	CHARACTER VARYING(50)	Address in this database. Max 50 characters.
address2	CHARACTER VARYING(50)	Address in this database. Max 50 characters.
district	CHARACTER VARYING(20)	Address in this database. Max 20 characters.
city_id 	SMALLINT	Foreign key, identify the city for those addresses linked to City table.
postal_code	CHARACTER VARYING(10)	Address in this database - postal code, Max 10 characters.
phone	CHARACTER VARYING(20)	Phone numbers. Max 20 characters.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.



CITY

Columns	Data type	Description
city_id 	SERIAL	Primary key, identify the city in this database.
city	CHARACTER VARYING(50)	City name in the address. Max 50 characters.
country_id 	SMALLINT	Foreign key, identify the country in this database, linked to Country table.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.


COUNTRY

Columns	Data type	Description
country_id 	SERIAL	Primary key, identify the country in this database.
country	CHARACTER VARYING(50)	Country name in the address. Max 50 characters.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.




FILM-CATEGORY

Columns	Data type	Description
film_id 	SMALLINT	Composite key, identifier for film. Foreign key linked to Film table.
category_id 	SMALLINT	Composite key, identifier for category in this database. Foreign key linked to Category table.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.


CATEGORY

Columns	Data type	Description
category_id 	SERIAL	Primary key, identify the film categories.
name	CHARACTER VARYING(25)	Category name, Max 25 characters.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.



INVENTORY

Columns	Data type	Description
inventory_id 	SERIAL	Primary key, identify the inventory of films.
film_id 	SMALLINT	Foreign key, identify the film and link to Film table.
store_id 	SMALLINT	Small integer, identifier for store in Rockbuster's company.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.





LANGUAGE

Columns	Data type	Description
language_id 	SERIAL	Primary key, identify the film's languages
name	CHARACTER(20)	The language of the film. Max 20 characters.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.


FILM

Columns	Data type	Description
film_id 	SERIAL	Primary key, unique identifier for films.
title	CHARACTER VARYING(255)	Film title, fixed-length character with max 255 characters.
description	TEXT	Description of the movie.
release_year	year	The year the film was released.
language_id 	SMALLINT	Foreign key, identify the language of film linked to Language table.
rental_duration	SMALLINT	Small integer, the number of days the film is rented.
rental_rate	NUMERIC(4,2)	Rating, number with max 4 digits, including 2 decimals.
length	SMALLINT	Small integer, the length of film.
replacement_cost	NUMERIC(5,2)	The cost the customer can be charged in case of loss or damage of rental item. Number with max 5 digits, including 2 digits decimals.
rating	mpaa_rating	Motion Picture Association film rating classification.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.
special_features	TEXT[]	Special features of the movies.
fulltext	TSVECTOR	Text-searchable of the film.

FILM-ACTOR

Columns	Data type	Description
actor_id  	SMALLINT	Composite key, identify the actors. Foreign key linked to Actor table.
film_id  	SMALLINT	Composite key, identify the film. Foreign key linked to Film table.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.

ACTOR

Columns	Data type	Description
actor_id 	SERIAL	Primary key, identify the actors in this database.
first_name	CHARACTER VARYING(45)	Actor's first name, Max 45 characters.
last_name	CHARACTER VARYING(45)	Actor's last name, Max 45 characters.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last Update of table's data.