Rockbuster
Data Dictionary

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Table of Contents

Entity Relationship Diagram

film_actor
🔑 **actor_id**	SMALLINT ↗
🔑 **film_id**	SMALLINT ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

actor
🔑 **actor_id**	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory
🔑 **inventory_id**	SERIAL
film_id	SMALLINT ↗
store_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film
🔑 **film_id**	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT ↗
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language
🔑 **language_id**	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category
🔑 **film_id**	SMALLINT ↗
🔑 **category_id**	SMALLINT ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category
🔑 **category_id**	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment
🔑 **payment_id**	SERIAL
customer_id	SMALLINT ↗
staff_id	SMALLINT ↗
rental_id	INTEGER ↗
amount	NUMERIC(5,2)
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental
🔑 **rental_id**	SERIAL
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id	INTEGER ↗
customer_id	SMALLINT ↗
return_date	TIMESTAMP(6) WITHOUT TIME ZONE
staff_id	SMALLINT ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer
🔑 **customer_id**	SERIAL
store_id	SMALLINT
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
email	CHARACTER VARYING(50)
address_id	SMALLINT ↗
activebool	BOOLEAN
create_date	DATE
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
active	INTEGER

staff
🔑 **staff_id**	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
address_id	SMALLINT ↗
email	CHARACTER VARYING(50)
store_id	SMALLINT
active	BOOLEAN
username	CHARACTER VARYING(16)
password	CHARACTER VARYING(40)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
picture	BYTEA

store
🔑 **store_id**	SERIAL
manager_staff_id	SMALLINT ↗
address_id	SMALLINT ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

address
🔑 **address_id**	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT ↗
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city
🔑 **city_id**	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country
🔑 **country_id**	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Name of Table	Column	Data Type	Description
Store	store_id	Serial	Unique ID number for each store location
	manager_staff_id	small int	Unique ID number for the manager of each store
	address_id	small int	Unique ID number for each address
	last_update	Timestamp w/o Time Zone	Timestamp for th exact date and time this table was last updated
Film_actor	actor_id	Small Int	Unique identifier of actor
	film_id	Small Int	Unique identifier of film
	last_update	Timestamp w/o Time Zone	Time of Last Update
Inventory	inventory_id	Serial	Unique identifier of inventory
	film_id	Small Int	Unique identifier of film
	store_id	Small Int	Unique identifier of store
	last_update	Timestamp w/o Time Zone	Time of Last Update
film_category	film_id	Small Int	Unique identifier of film
	category_id	Small Int	Unique identifier of category
	last_update	Timestamp w/o Time Zone	Time of Last Update
customer	Customer_id	Small Int	Whether customer is custom
	store_id	Small Int	Unique identifier of 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	Small Int	Unique identifier of address
	Activebool	Boolean	Whether customer is active
	create_date	Date	Date of customer profile creation
	last_update	Timestamp w/o Time Zone	Time of Last Update
	active	Interger	Active status represented 0 or 1
Staff	staff_id	Serial	Unique identifier of staff member
	first_name	Character Varying(45)	First name of staff member
	last_name	Character Varying(45)	Last name of staff member
	address_id	Small Int	Unique identifier of address
	email	Character Varying(50)	Email address of staff member
	store_id	Small Int	Unique identifier of store
	active	Boolean	Whether staff member is active

	username	Character Varying(16)	Staff member's username
	password	Character Varying(40)	Staff member's password
	last_update	Timestamp w/o Time Zone	Time of Last Update
	picture	Bytea	Picture of staff member
Actor	actor_id	Serial	Unique identifier of actor
	first_name	Character Varying(45)	First name of actor
	last_name	Character Varying(45)	Last name of actor
	last_update	Timestamp w/o Time Zone	Time of Last Update
Film	film_id	Serial	Unique identifier of film
	title	Character Varying(255)	Title of film
	Description	text	Description of film
	Release_year	year	Year of film release
	Language_id	Small Int	Language of film
	Rental_duration	Small Int	Duration of rental
	Rental_rate	Numeric(4,2)	Rate of rental
	length	Small Int	Length of film
	Replacement_cost	Numeric(5,2)	Replacement cost of film
	Rating	Mpaa_rating	Rating of film
	last_update	Timestamp w/o Time Zone	Time of Last Update
	Special_features	Text	Special features of film
	Fulltext	Tsvector	Film index; contains count of key words in description
Category	category_id	Serial	Unique identifier of category
	Name	Character Varying(25)	Name of category
	last_update	Timestamp w/o Time Zone	Time of Last Update
Address	address_id	Serial	Unique identifier of address
	Address	Character Varying(50)	First line of address
	Address2	Character Varying(50)	Second line of address
	District	Character Varying(20)	District of address
	City_id	Small Int	Unique identifier of city
	Postal_Code	Character Varying(10)	Postal Code associated with address
	Phone	Character Varying(20)	Phone number for address

	last_update	Timestamp w/o Time Zone	Time of Last Update
Language	Language_id	serial	Unique identifier of language
	Name	Character Varying(20)	Name of language
	last_update	Timestamp w/o Time Zone	Time of Last Update
City	City_id	Serial	Unique identifier of city
	City	Character Varying(50)	Name of city
	Country_id	Small Int	Unique identifier of country
	Last_update	Timestamp w/o Time Zone	Time of Last Update
Country	Country_id	serial	Unique identifier of country
	Country	Character Varying(50)	Name of country
	last_update	Timestamp w/o Time Zone	Time of Last Update