

Rockbuster Stealth LLC

Data Dictionary

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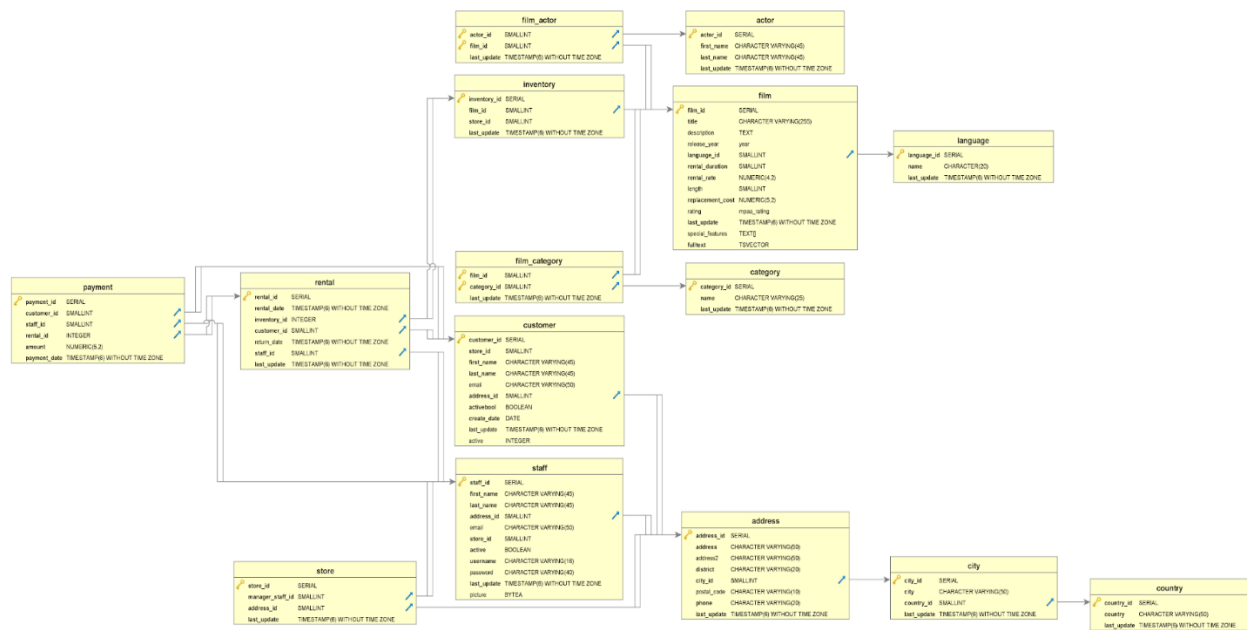
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Entity Relationship Diagram of Rockbuster Database



Legend

Primary Key

Foreign Key

FACT TABLES

(1) Table Name: rental

Column Name	Data Type	Description
rental_id	SERIAL	unique id assigned to each movie rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of when each movie was rented
inventory_id	INTEGER	id assigned to each inventory
customer_id	SMALLINT	id assigned to each movie customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of return
staff_id	SMALLINT	id assigned to each staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
inventory	inventory_id
customer	customer_id
staff	staff_id

Links From:

Table Name	Linked Columns
payment	rental_id

(2) Table Name: payment

Column Name	Data Type	Description
payment_id	SERIAL	unique id assigned to each payment
customer_id	SMALLINT	id assigned to each customer
staff_id	SMALLINT	id assigned to each staff
rental_id	INTEGER	id assigned to each movie rental
amount	NUMERIC(5,2)	The paid amount
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of payment

Links To:

Table Name	Linked Columns
rental	rental_id
customer	customer_id
staff	staff_id

Links From: None

DIMENSION TABLES:

(1) Table Name: customer

Column Name	Data Type	Description
customer_id	SERIAL	unique id assigned to each customer
store_id	SMALLINT	id assigned to each store
first_name	CHARACTER VARYING(45)	First name of each customer
last_name	CHARACTER VARYING(45)	Last name of each customer
email	CHARACTER VARYING(50)	email of each customer
address_id	SMALLINT	id assigned to each address
activebool	BOOLEAN	active status of each record
create_date	DATE	date of last each record entry
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status
active	INTEGER	active status of each record

Links To:

Table Name	Linked Columns
address	address_id
store	store_id

Links From:

Table Name	Linked Columns
payment	customer_id
rental	customer_id

(2) Table Name: staff

Column Name	Data Type	Description
staff_id	SERIAL	unique id assigned to each staff
first_name	CHARACTER VARYING(45)	First name of each staff
last_name	CHARACTER VARYING(45)	last name of each staff
address_id	SMALLINT	id assigned to each address
email	CHARACTER VARYING(50)	Email of each staff
store_id	SMALLINT	id assigned to each store
active	BOOLEAN	active status of each record
username	CHARACTER VARYING(16)	username of each staff
password	CHARACTER VARYING(40)	password of each staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status
picture	BYTEA	photo of each staff

Links To:

Table Name	Linked Columns
address	address_id
store	store_id

Links From:

Table Name	Linked Columns
payment	staff_id
rental	staff_id

(3) Table Name: inventory

Column Name	Data Type	Description
inventory_id	SERIAL	unique id assigned to each inventory
film_id	SMALLINT	id assigned to each film
store_id	SMALLINT	id assigned to each store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
film	film_id
store	store_id

Links From:

Table Name	Linked Columns
rental	inventory_id

(4) Table Name: film

Column Name	Data Type	Description
film_id	SERIAL	unique id assigned to each film
title	CHARACTER VARYING(255)	title of each movie
description	TEXT	brief description of each movie
release_year	year	release year of each movie
language_id	SMALLINT	language id of each movie
rental_duration	SMALLINT	rental duration of each movie
rental_rate	NUMERIC(4,2)	rental rate of each movie
length	SMALLINT	length of each movie
replacement_cost	NUMERIC(5,2)	replacement cost of each movie
rating	mpaa_rating	rating of each movie
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status
special_features	TEXT	trailers, behind the scenes, deleted scenes, commentaries
fulltext	TSVECTOR	keywords from description

Table Name	Linked Columns
language	language_id

Links To:

Links From:

Table Name	Linked Columns
inventory	film_id
film_actor	film_id
film_category	film_id

(5) Table Name: film_actor

Column Name	Data Type	Description
actor_id	SMALLINT	id assigned to each actor
film_id	SMALLINT	id assigned to each film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
film	film_id
actor	actor_id

Links From:

Table Name	Linked Columns
inventory	film_id
film	film_id
film_category	film_id

(6) Table Name: actor

Column Name	Data Type	Description
actor_id	SERIAL	unique id assigned to each actor
first_name	CHARACTER VARYING(45)	first name of each actor
last_name	CHARACTER VARYING(45)	last name of each actor
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To: None

Links From:

Table Name	Linked Columns
film_actor	actor_id
rental	customer_id

(7) Table Name: film_category

Column Name	Data Type	Description
film_id	SMALLINT	id assigned to each film
category_id	SMALLINT	id assigned to each category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
film	film_id
category	category_id

Links From:

Table Name	Linked Columns
inventory	film_id
film_actor	film_id

(8) Table Name: category

Column Name	Data Type	Description
category_id	SERIAL	unique id assigned to each category
name	CHARACTER VARYING(25)	name of movie category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To: None**Links From:**

Table Name	Linked Columns
film_category	category_id

(9) Table Name: language

Column Name	Data Type	Description
language_id	SERIAL	unique id assigned to each language
name	CHARACTER(20)	language name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To: None**Links From:**

Table Name	Linked Columns
film	language_id

(10) Table Name: store

Column Name	Data Type	Description
store_id	SERIAL	unique id assigned to each store
manager_staff_id	SMALLINT	id assigned to each staff manager
address_id	SMALLINT	id assigned to each address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
address	address_id

Links From:

Table Name	Linked Columns
inventory	store_id
customer	store_id
staff	store_id

(11) Table Name: address

Column Name	Data Type	Description
address_id	SERIAL	unique id assigned to each address
address	CHARACTER VARYING(50)	address
address2	CHARACTER VARYING(50)	second address
district	CHARACTER VARYING(20)	name of district
city_id	SMALLINT	Id assigned to each city
postal_code	CHARACTER VARYING(10)	postal code
phone	CHARACTER VARYING(20)	phone number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
city	city_id

Links From:

Table Name	Linked Columns
customer	address_id
staff	address_id

(12) Table Name: city

Column Name	Data Type	Description
city_id	SERIAL	unique id assigned to each city
city	CHARACTER VARYING(50)	city name
country_id	SMALLINT	id assigned to each country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To:

Table Name	Linked Columns
country	country_id

Links From:

Table Name	Linked Columns
address	city_id

(13) Table Name: country

Column Name	Data Type	Description
country_id	SERIAL	unique id assigned to each country
country	CHARACTER VARYING(50)	country name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last updated status

Links To: None

Links From:

Table Name	Linked Columns
city	country_id