

ROCKBUSTER DATA DICTIONARY

NOVEMBER 2022

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ENTITY-RELATIONSHIP DIAGRAM (ERD)



DATA DICTIONARY

FACT TABLES (STORES INFORMATION ABOUT EVENTS)

TABLE: RENTAL

Column Name	Data Type	Description
rental_ID	serial	id assigned each unique rental
rental_date	timestamp	date rental was taken out
inventory_id	int4	id assigned for record keeping
customer_id	int2	id assigned to track customers
return_date	timestamp	date rental was returned
staff_id	int2	id assigned to staff who made transaction
last_update	timestamp	date and time of last updated status in system

DIMENSION TABLES (INFORMATION ABOUT ENTITIES INVOLVED IN THOSE EVENTS)

TABLE NAME: ACTOR

Column Name	Type	Description
actor_id	serial	id assigned to actor
first_name	varchar	first name of actor
last_name	varchar	last name of actor
last_update	timestamp	last time file was updated in system

TABLE NAME: ADDRESS

Column Name	Data Type	Description
address_id	serial	postal address of store
address	varchar	postal address of store
address2	varchar	postal address of store
district	varchar	discript of store
city_id	int2	city of store
postal_code	varchar	postal code of store
phone	varchar	phone number of store
last_update	timestamp	last time file was updated in system

TABLE NAME: CATEGORY

Column Name	Data Type	Description
category_id	serial	id assigned to film category
name	varchar	name of category
last_update	timestamp	last update made in system

TABLE NAME: COUNTRY

Column Name	Data Type	Description
city_id	serial	id assigned to city
city	varchar	name of city
country_id	int2	id assigned to country
last_update	timestamp	last update made in system

TABLE NAME: CUSTOMER

Column Name	Data Type	Description
customer_id	serial	id assigned to customer
store_id	int2	id assigned to each store
first_name	varchar	first name of customer
last_name	varchar	last name of customer
email	varchar	email address of customer
address_id	int2	postal address id of customer
activebool	bool	status of whether customer is active or not
create_date	date	date that the file was created
last_updated	timestamp	time that the customer film was last updated
active	int4	whether customer is active or not

TABLE NAME: FILM

Column Name	Data Type	Description
film_id	serial	id assigned to each film
title	varchar	title of the film
description	text	description of the film
release_year	year	year it was released
language_id	int2	language it was released

rental_duration	int2	length for which it can be rented
rental_rate	numeric	rate of rentals
length	int2	length of the film
replacement_cost	numeric	cost of replacement
rating	mpaa_rating	mpaa rating of film
last_update	timestamp	last update in the system
special_features	_text	if special features are available
fulltext	tsvector	

TABLE NAME: FILM_ACTOR

Column Name	Data Type	Description
actor_id	int2	id assigned to actor
film_id	int2	id assigned to film
last_update	timestamp	last updated

TABLE NAME: FILM_CATEGORY

Column Name	Data Type	Description
film_id	int2	id assigned to each film
category_id	int2	id assigned to film category
last_update	timestamp	time of last update in system

TABLE NAME: LANGUAGE

Column Name	Data Type	Description
language_id	serial	id assigned to language
name	bpchar	name of language
last_update	timestamp	time of last update in the system

TABLE NAME: PAYMENT

Column Name	Data Type	Description
payment_id	serial	id assigned to payment
customer_id	int2	id assigned to customer
staff_id	int2	id assigned to staff member
rental_id	int4	id assigned to rental
amount	numeric	amount of transaction
payment_date	timestamp	time of payment

TABLE NAME: STAFF

Column Name	Data Type	Description
staff_id	serial	id assigned to staff member
first_name	varchar	first name of staff member
last_name	varchar	last name of staff member
address_id	int2	address of staff member
email	varchar	email address of staff member
store_id	int2	id of store at which member works
active	bool	whether the staff member is active
username	varchar	staff username
password	varchar	staff password
last_update	timestamp	last time file was updated in system
picture	bytea	picture of the staff member

TABLE NAME: STORE

Column Name	Data Type	Description
store_id	serial	id assigned to store
manager_staff_id	int2	manager of store
address_id	int2	postal address of store
last_update	timestamp	last time file was updated in system

TABLE NAME: INVENTORY

Column Name	Data Type	Description
inventory_id	serial	id assigned for record keeping
film_id	int2	id assigned to each film
store_id	int2	id assigned to each store
last_update	timestamp	date and time of last updated status in system