



Rockbuster

Data Dictionary

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Entity Relationship Diagram (ERD)



Fact tables:

payment

Column	Data type	Description
Payment_id	Serial	Primary Key, tracks every payment with unique ID
Cutomer_id	Smallint	Unique identifier of customer
Staff_id	Smallint	Unique identifier of staff
Rental_id	integer	Unique identifier of rental transaction
amount	Numeric	Price of rental
Payment_date	Time stamp w/o time zone	Date and time of payment

rental

column	Data type	description
rental_id	serial	Unique identifier of rental transactions
rental_date	timestamp	Date of rental
inventory_id	integer	Unique identifier of inventory
customer_id	smallint	Unique identifier of customer
return_date	timestamp	Date and time rental was returned
staff_id	smallint	Unique identifier of staff
last_update	timestamp	Date and time of last update

Dimension tables:

store

column	Data type	Description
store_id	serial	Unique identifier of store
manager_staff_id	Smallint	Unique identifier of manager
address_id	smallint	Unique identifier of adress
last_update	timestamp	Date and time of last update

film_actor

column	Data type	description
actor_id	smallint	Unique identifier of actor
film_id	smallint	Unique identifier of film
last_update	timestamp	Date and time of last update

inventory

Column	Data type	Description
inventory_id	serial	Unique identifier of inventory
film_id	smallint	Unique identifier of film
store_id	smallint	Unique identifier of store
last_update	timestamp	Date and time of last update

film_category

column	Data type	description
film_id	smallint	Unique identifier of film
category_id	smallint	Unique identifier of category

last_update	timestamp	Date and time of last update
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customer

column	Data type	description
customer_id	serial	Unique identifier of customer
store_id	smallint	Unique identifier of store
first_name	Character varying	Customer first name
last_name	Character varying	Customer last name
email	Character varying	Email address
address_id	smallint	Unique identifier of address
activebool	boolean	True or false if customer is active or not
create_date	date	Date account was created
last_update	timestamp	Date and time of last update
active	integer	Integer to see if customer is active or not

staff

column	Data type	Description
staff_id	serial	Unique identifier of staff
first_name	Character varying	First name of staff
last_name	Character varying	Last name of staff
address_id	smallint	Unique identifier of adress
email	Character varying	Email address
store_id	smallint	Unique identifier of store
active	boolean	True or false of active status
Username	Character varying	Staff username

password	Character varying	Staff password
last_update	timestamp	Date and time of last update
picture	bytea	Picture of staff

actor

Column	Data type	description
actor_id	serial	Unique identifier of actor
first_name	Character varying	First name of actor
last_name	Character varying	Last name of actor
last_update	timestamp	Date and time of last update

film

column	Data type	description
film_id	serial	Unique identifier of film
title	Character varying	Title of movie
description	text	Description of movie
release_year	year	Date movie was released
language_id	smallint	Unique identifier of language
rental_duration	smallint	How many days movie was rented for
rental_rate	numeric	Cost of renting movie
length	smallint	Length of movie
replacement_cost	numeric	Cost of replacing the movie
rating	Mpaa rating	Movie rating(pg, pg-13, R)
last update	timestamp	Date and time of last update
special_features	text	Special features like trailers or behind the scenes

fulltext	tsvector	Movie texts
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category

column	Data type	Description
Category id	serial	Unique identifier of category
name	Character varying	Name of category
Last update	timestamp	Date and time of last update

address

column	Data type	description
address_id	serial	Unique identifier of adress
address	Character varying	address
address_2	Character varying	Address 2
district	Character varying	district
city_id	smallint	Unique identifier of city
postal_code	Character varying	Postal code
phone	Character varying	Phone #
last_update	timestamp	Date and time of last update

language

column	Data type	description
language_id	serial	Unique identifier of language
name	character	Name of language
last_update	timestamp	Date and time of last update

city

column	Data type	description
city_id	serial	Unique identifier of city
city	Character varying	Name of city
country_id	smallint	Unique identifier of country
last_update	timestamp	Date and time of last update

country

column	Data type	description
country_id	serial	Unique identifier of country
country	Character varying	Name of country
last_update	Last update	Date and time of last update