

Rockbuster

Data Dictionary

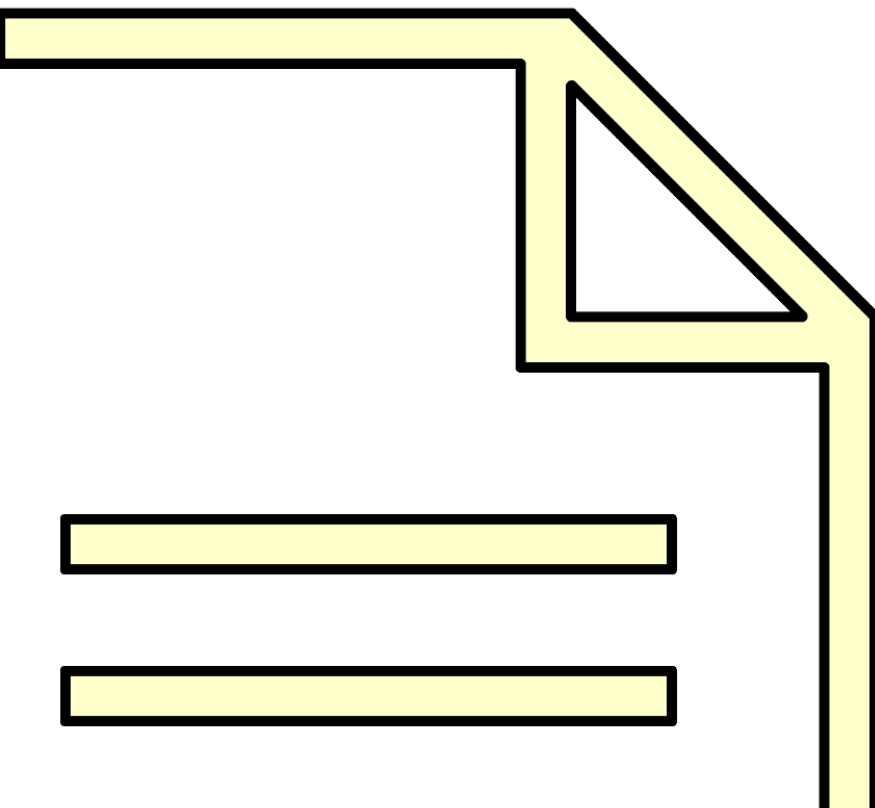
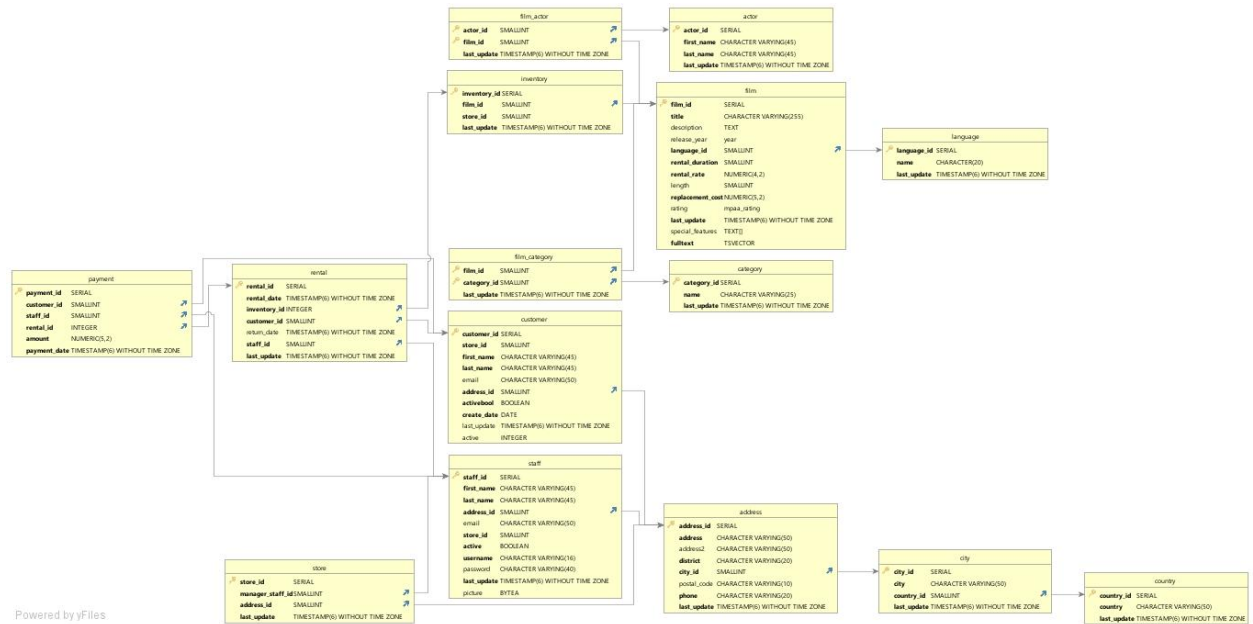


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Entity Relationship Document



The ERD for the rockbuster data is a snowflake schema.

Fact Tables

rental		
Columns	Data type	Description
rental_id	SERIAL	Surrogate key
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific
inventory_id	INTEGER	Foreign key to inventory table
customer_id	SMALLINT	Foreign key to customer table
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific
staff_id	SMALLINT	Foreign key to staff table
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

payment		
Columns	Data type	Description
payment_id	SERIAL	Surrogate key
customer_id	SMALLINT	Foreign key to customer table
staff_id	SMALLINT	Foreign key to staff table
rental_id	INTEGER	Foreign key to rental table
amount	NUMERIC(5,2)	Cost of the rental
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

Dimension Tables

film_actor		
Columns	Data type	Description
actor_id	SMALLINT	Foreign key to actor table
film_id	SMALLINT	Foreign key to film table
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

actor		
Columns	Data type	Description
actor_id	SERIAL	Surrogate key
first_name	CHARACTER VARYING(45)	Name in 45 characters or less
last_name	CHARACTER VARYING(45)	Name in 45 characters or less
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

inventory		
Columns	Data type	Description
inventory_id	SERIAL	Surrogate key
film_id	SMALLINT	Foreign key to film table
store_id	SMALLINT	Foreign key to store table
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

film		
Columns	Data type	Description
film_id	SERIAL	Surrogate key
title	CHARACTER VARYING (255)	Film title in 255 characters or less
description	TEXT	Description of the film

release_year	year	Release year of the film
language_id	SMALLINT	Foreign key to the language table
rental_duration	SMALLINT	Duration of the film's rental
rental_rate	NUMERIC(4,2)	Cost of rental
length	SMALLINT	Duration of the film
replacement_cost	NUMERIC(5,2)	Cost of replacing the film
rating	mpaa_rating	Rating of the motion picture association
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific
special_features	TEXT[]	Special features the film possesses in {} brackets
fulltext	TSVECTOR	I am honestly not sure what this is meant to be.

language		
Columns	Data type	Description
language_id	SERIAL	Surrogate key
name	CHARACTER(20)	Language name in 20 characters or less
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

film_category		
Columns	Data type	Description
film_id	SMALLINT	Foreign key to film table
category_id	SMALLINT	Foreign key to category table
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

category		
Columns	Data type	Description
category_id	SERIAL	Surrogate key
name	CHARACTER VARYING (25)	Category name in 25 characters or less
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

customer		
Columns	Data type	Description
customer_id	SERIAL	Surrogate key
store_id	SMALLINT	Foreign key to store table
first_name	CHARACTER VARYING (45)	First name in 45 characters or less
last_name	CHARACTER VARYING (45)	Surname in 45 characters or less
email	CHARACTER VARYING (50)	Email address in 50 characters or less
address_id	SMALLINT	Foreign key to address table
activebool	BOOLEAN	Not entirely sure but the data comes in true/false form
create_date	DATE	Date the entry was created
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific
active	INTEGER	Whether the account is active

store		
Columns	Data type	Description
store_id	SERIAL	Surrogate key
manager_staff_id	SMALLINT	Foreign key to staff table
address_id	SMALLINT	Foreign key to address table

last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific
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staff		
Columns	Data type	Description
staff_id	SERIAL	Surrogate key
first_name	CHARACTER VARYING (45)	First name in 45 characters or less
last_name	CHARACTER VARYING (45)	Surname in 45 characters or less
address_id	SMALLINT	Foreign key to address table
email	CHARACTER VARYING (50)	Email address in 50 characters or less
store_id	SMALLINT	Foreign key to store table
active	BOOLEAN	Whether or not the staff member is active
username	CHARACTER VARYING (16)	Username in 16 characters or less
password	CHARACTER VARYING (40)	Password in 40 characters or less
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific
picture	BYTEA	Not entirely sure

address		
Columns	Data type	Description
address_id	SERIAL	Surrogate key
address	CHARACTER VARYING (50)	First address line in 50 characters or less
address2	CHARACTER VARYING (50)	Second address line in 50 characters or less
district	CHARACTER VARYING (20)	District name in 20 characters or less

city_id	SMALLINT	Foreign key to city table
postal_code	CHARACTER VARYING (10)	Postal code in 10 characters or less
phone	CHARACTER VARYING (20)	Phone number in 20 characters or less
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

city		
Columns	Data type	Description
city_id	SERIAL	Surrogate key
city	CHARACTER VARYING (50)	City name in 50 characters or less
country_id	SMALLINT	Foreign key to country table
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific

country		
Columns	Data type	Description
country_id	SERIAL	Surrogate key
country	CHARACTER VARYING (50)	Country name in 50 characters or less
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp of the last update, not timezone specific