

Rockbuster Database

Data Dictionary

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1. Table of Contents

2. Entity Relationship Diagram

3. Legend

4. Fact Tables

4.1 Rental

4.2 Payment

5. Dimension Tables

5.1 Customer

5.2 Staff

5.3 Store

5.4 Inventory

5.5 Film Actor

5.6 Actor

5.7 Film

5.8 Film Category

5.9 Category

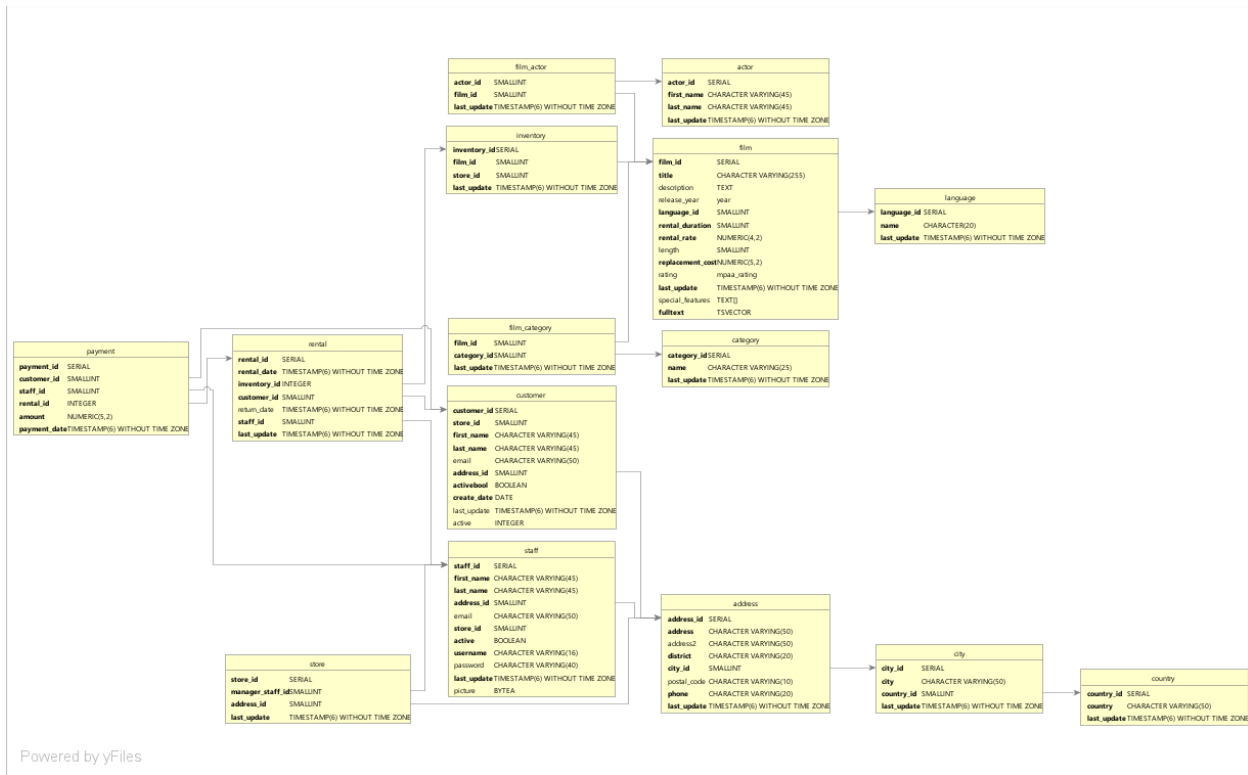
5.10 Address

5.11 Language

5.12 City

5.13 Country

2. Entity Relationship Diagram



3. Legend

Primary Key

Foreign Key

FACT TABLE

Table 4.1 Rental

Columns	Data Type	Description	Link to
rental_id	SERIAL	The unique id assigned to each movie rental	payment
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of when it was rented out	
inventory_id	Integer	The id assigned for record keeping	inventory
customer_id	SMALLINT	Customer id to whom the movie was issued	customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of return	
staff_id	SMALLINT	The id assigned to each staff	staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 4.2 Payment

Columns	Data Type	Description	Link to
payment_id	SERIAL	The id assigned for record-keeping	
customer_id	SMALLINT	Customer id to whom the movie was issued	customer
staff_id	SMALLINT	The unique id assigned to each store	staff
rental_id	INTEGER	The unique id assigned to each movie rental	rental
amount	NUMERIC(5,2)	The amount paid by customer	

payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time of payment	
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DIMENSION TABLE

Table 5.1 Customer

Columns	Data Type	Description	Link to
customer_id	SERIAL	Customer id to whom the movie was issued	payment, rental
store_id	SMALLINT	The unique id assigned to each store	store
first_name	CHARACTER VARYING(45)	First name of customer	
last_name	CHARACTER	Second name of customer	
email	CHARACTER VARYING(50)	Email address of customer	
address_id	SMALLINT	Postal address of customer	address
activebool	BOOLEAN	Status whether customer is active or not	
create_date	DATE	Creation date	

Table 5.2 Staff

Columns	Data Type	Description	
staff_id	SERIAL	The id assigned to each staff	
first_name	CHARACTER VARYING(45)	First name of staff	
last_name	CHARACTER VARYING(45)	Last name of staff	
address_id	SMALLINT	Postal address of staff	address

email	CHARACTER VARYING(50)	Email address of staff	
store_id	SMALLINT	The unique id assigned to each store	store
active	BOOLEAN	Status of whether customer is active or not	
username	CHARACTER VARYING(16)	Username of staff	
password	CHARACTER VARYING(40)	Password of staff	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
picture	BYTEA	Picture of staff	

Table 5.3 Store

Columns	Data Type	Description	Link to
store_id	SERIAL	The unique id assigned to each store	customer, inventory, staff
manager_staff_id	SMALLINT	ID of manager	
address_id	SMALLINT	Postal address of store	address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.4 Inventory

Columns	Data Type	Description	Link to
inventory_id	SERIAL	The unique ID assigned to each inventory entry	rental
film_id	SMALLINT		film
store_id	SMALLINT		store

last_update	TIMESTAMP(6) WITHOUT TIME ZONE		
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Table 5.5 Film Actor

Columns	Data Type	Description	Link to
actor_id	SMALLINT	The unique id assigned to each actor	actor
film_id	SMALLINT	The unique id assigned to each film	film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.6 Actor

Columns	Data Type	Description	Link to
actor_id	SERIAL	The unique id assigned to an actor	actor
first_name	CHARACTER VARYING(45)	First name of actor	
last_name	CHARACTER VARYING(45)	Last name of actor	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.7 Film

Columns	Data Type	Description	Link to
film_id	SERIAL	The unique id assigned to each movie	film actor, film, category, inventory
title	CHARACTER VARYING(255)	Title of the movie	
description	TEXT	What the movie is about	

release_year	year	Year of movie release	
language_id	SMALLINT	ID assigned to language(s) movie is in	language
rental_duration	SMALLINT	Length of time for which movie is on rent	
rental_rate	NUMERIC(5,2)	Price of rent	
length	SMALLINT	Duration of movie	
replacement_cost	NUMERIC(5,2)	Cost of replacement in the case of loss or theft	
rating	mpaa-rating	Movie rating	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
special_features	TEXT[]	Special features, such as HD and subtitles	
fulltext	TSVECTOR	Key words	

Table 5.8 Film Category

Columns	Data Type	Description	Link to
film_id	SMALLINT	The unique ID assigned to each movie	film
category_id	SMALLINT	The unique ID assigned to each category	category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.9 Category

Columns	Data Type	Description	Link to
category_id	SERIAL	The unique id	film category

		assigned to each movie category	
name	CHARACTER VARYING(25)	Name of category	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.10 Address

Columns	Data Type	Description	Link to
address_id	SERIAL	Postal address of store	customer, staff, store
address	CHARACTER VARYING(50)	Postal address of store	
address2	CHARACTER VARYING(50)	Postal address of store	
district	CHARACTER VARYING(50)	Time of last updated status	
city_id	SMALLINT	City	city
postal_code	CHARACTER VARYING(10)	Postal Code	
Phone	CHARACTER VARYING(20)	Phone number	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.11 Language

Columns	Data Type	Description	Link to
language_id	SERIAL	ID assigned to language(s) movie is available in	film
name	CHARACTER(20)	Name of language	
last_update	TIMESTAMP(6)	Time of last updated status	

	WITHOUT TIME ZONE		
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Table 5.12 City

Columns	Data Type	Description	Link to
city_id	SERIAL	Id assigned to city	address
name	CHARACTER	Name of city	
country_id	SMALLINT	Country code	country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Table 5.13 Country

Columns	Data Type	Description	Link to
country_id	SERIAL	Country code	city
country	CHARACTER VARYING(50)	Name of country	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	