



# **Data Dictionary**

Rockbuster Co.

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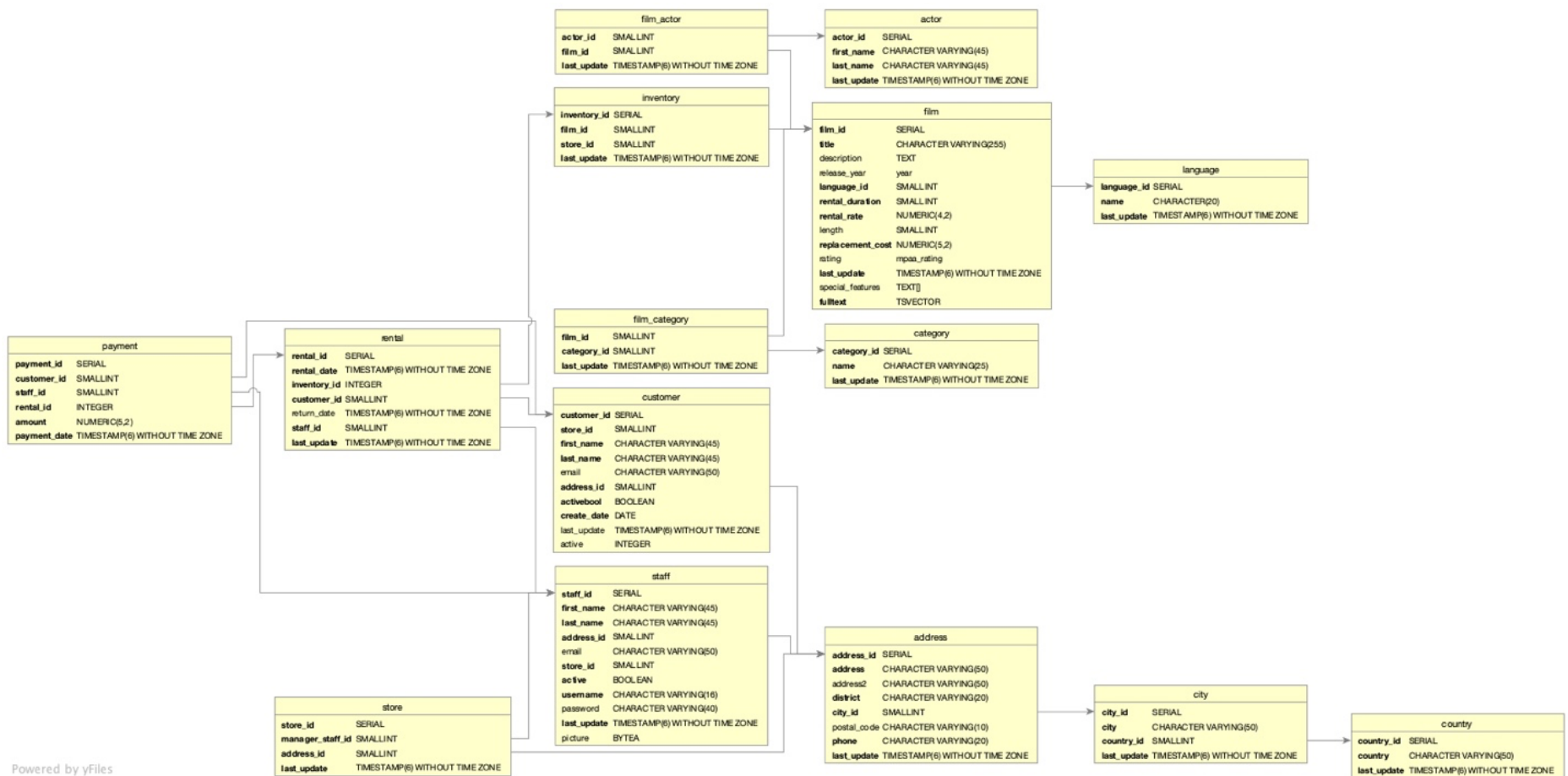
By Elena Dries

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# ENTITY RELATIONAL DIAGRAM (ERD)



# Fact Table

Table Name:

Rental

Columns	Unique/ Foreign Key	Data Type	Description	Links To/From Table
rental_id	Primary	SERIAL	ID of a rental transaction	From: Payment
rental_date		TIMESTAMP(6) WITHOUT TIME ZONE	Date when the rental took place	
inventory_id	Foreign	INTEGER	ID of an item in the inventory	To: Inventory
customer_id	Foreign	SMALLINT	ID of a customer	To: Customer
return_date		TIMESTAMP(6) WITHOUT TIME ZONE	Date when return took place	
staff_id	Foreign	SMALLINT	ID of a staff member	To: Staff
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update took place	

# Dimension Tables

Table Name:

Payment

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
payment_id	Primary	SERIAL	ID of a payment transaction	
customer_id	Foreign	SMALLINT	ID of a customer	To: Customer
staff_id	Foreign	SMALLINT	ID of a staff member	To: Staff
rental_id	Foreign	INTEGER	ID of a rental transaction	To: Rental
amount		NUMERIC(5,2)	The total amount of the transaction	
payment_date		TIMESTAMP(6) WITHOUT TIME ZONE	Date when the payment took place	

Table Name:

Store

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
store_id	Primary	SERIAL	ID of a store	
manager_staff_id	Foreign	SMALLINT	ID of the responsible manager	To: Staff
address_id	Foreign	SMALLINT	ID of an address	To: Address
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Store” table took place	

Table Name:

Film Actor

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
actor_id	Foreign	SMALLINT	ID of an actor	To: Actor
film_id	Foreign	SMALLINT	ID of a film	To: Film
last-update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Film Actor” table took place	

Table Name:

Inventory

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
inventory_id	Primary	SERIAL	ID of an item in the inventory	From: Rental
film_id	Foreign	SMALLINT	ID of a film	To: Film
store_id		SMALLINT	ID of a store	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Inventory” table took place	

Table Name:

Film Category

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
film_id	Foreign	SMALLINT	ID of a film	To: Film
category_id	Foreign	SMALLINT	ID of a category	To: Category
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Film Category” table took place	

Table Name:  
Customer

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
customer_id	Primary	SERIAL	ID of a customer	From: Rental, Payment
store_id		SMALLINT	ID of a store	
first_name		CHARACTER VARYING (45)	Customer first name	
last_name		CHARACTER VARYING (45)	Customer last name	
email		CHARACTER VARYING (50)	Customer e-mail address	
address_id	Foreign	SMALLINT	ID of the customer address	To: Address
activebool		BOOLEAN	Customer status: active or not	
create_date		DATE	Date of the entry creation	
last-update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Customer” table took place	
active		INTEGER	Customer status	

Table Name:  
Staff

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
Staff_id	Primary	SERIAL	Staff member ID	From: Rental, Payment, Store
First-Name		CHARACTER VARYING (45)	Staff member first name	
Last_name		CHARACTER VARYING (45)	Staff member last name	
Address_id	Foreign	SMALLINT	Address ID	To: Address
Email		CHARACTER VARYING (50)	Staff member e- mail address	
Store_id		SMALLINT	ID of a store	
Active		BOOLEAN	Staff member status: active or not	
Username		CHARACTER VARYING (16)	Staff member user name	
Password		CHARACTER VARYING (40)	Password of a staff member	
Last-update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Staff” table took place	
picture		BYTEA	Picture of a staff member	



Table Name:

Actor

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
actor_id	Primary	SERIAL	ID of an actor	From: Film Actor
first_name		CHARACTER VARYING (45)	Actor first name	
last_name		CHARACTER VARYING (45)	Actor last name	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Actor” table took place	

Table Name:

Film

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
film_id	Primary	SERIAL	ID of a film	From: Film Actor, Inventory, Film Category
title		CHARACTER VARYING(255)	Film title	
description		TEXT	Film description	
release_year		year	The year when the film was released	
language_id	Foreign	SMALLINT	ID of the film language	To: Language
rental_duration		SMALLINT	Number of days the film is rented for	
rental_rate		NUMERIC(4,2)	Rate at which the film is rented	

length		SMALLINT	Length of the film in minutes	
replacement_cost		NUMERIC(5,2)	The cost of the film replacement	
rating		mpaa_rating	Motion Picture Association rating	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Film” table took place	
Special_features		TEXT[]	List of special features	
fulltext		TSVECTOR	Key words	

Table Name:

[Category](#)

<b>Columns</b>	<b>Primary/ Foreign Key</b>	<b>Data Type</b>	<b>Description</b>	<b>Links To/From Table</b>
category_id	Primary	SERIAL	ID of a category	From: Film Category
name		CHARACTER VARYING(25)	Category name	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Category” table took place	

Table Name:  
[Address](#)

<b>Columns</b>	<b>Primary/ Foreign Key</b>	<b>Data Type</b>	<b>Description</b>	<b>Links To/From Table</b>
address_id	Primary	SERIAL	ID of an address	From: Customer, Staff, Store
address		CHARACTER VARYING(50)	Postal address	
address2		CHARACTER VARYING(50)	Another postal address	
district		CHARACTER VARYING(20)	Name of a district	
city_id	Foreign	SMALLINT	ID of a city	To: City
postal_code		CHARACTER VARYING(10)	Postal code	
phone		CHARACTER VARYING(20)	Phone number	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Address” table took place	

Table Name:  
[Language](#)

<b>Columns</b>	<b>Primary/ Foreign Key</b>	<b>Data Type</b>	<b>Description</b>	<b>Links To/From Table</b>
language_id	Primary	SERIAL	ID of a language	From: Film
name		CHARACTER VARYING(20)	Name of a language	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Language” table took place	

Table Name:

City

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
city_id	Primary	SERIAL	ID of a city	From: Address
city		CHARACTER VARYING(50)	Name of a city	
country_id	Foreign	SMALLINT	ID of a country	To: Country
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “City” table took place	

Table Name:

Country

Columns	Primary/ Foreign Key	Data Type	Description	Links To/From Table
country_id	Primary	SERIAL	ID of a country	From: City
country		CHARACTER VARYING(50)	Country name	
last_update		TIMESTAMP(6) WITHOUT TIME ZONE	Date when last update of the “Country” table took place	