7/22/2025

V1.1

Data Dictionary

Rockbuster Stealth
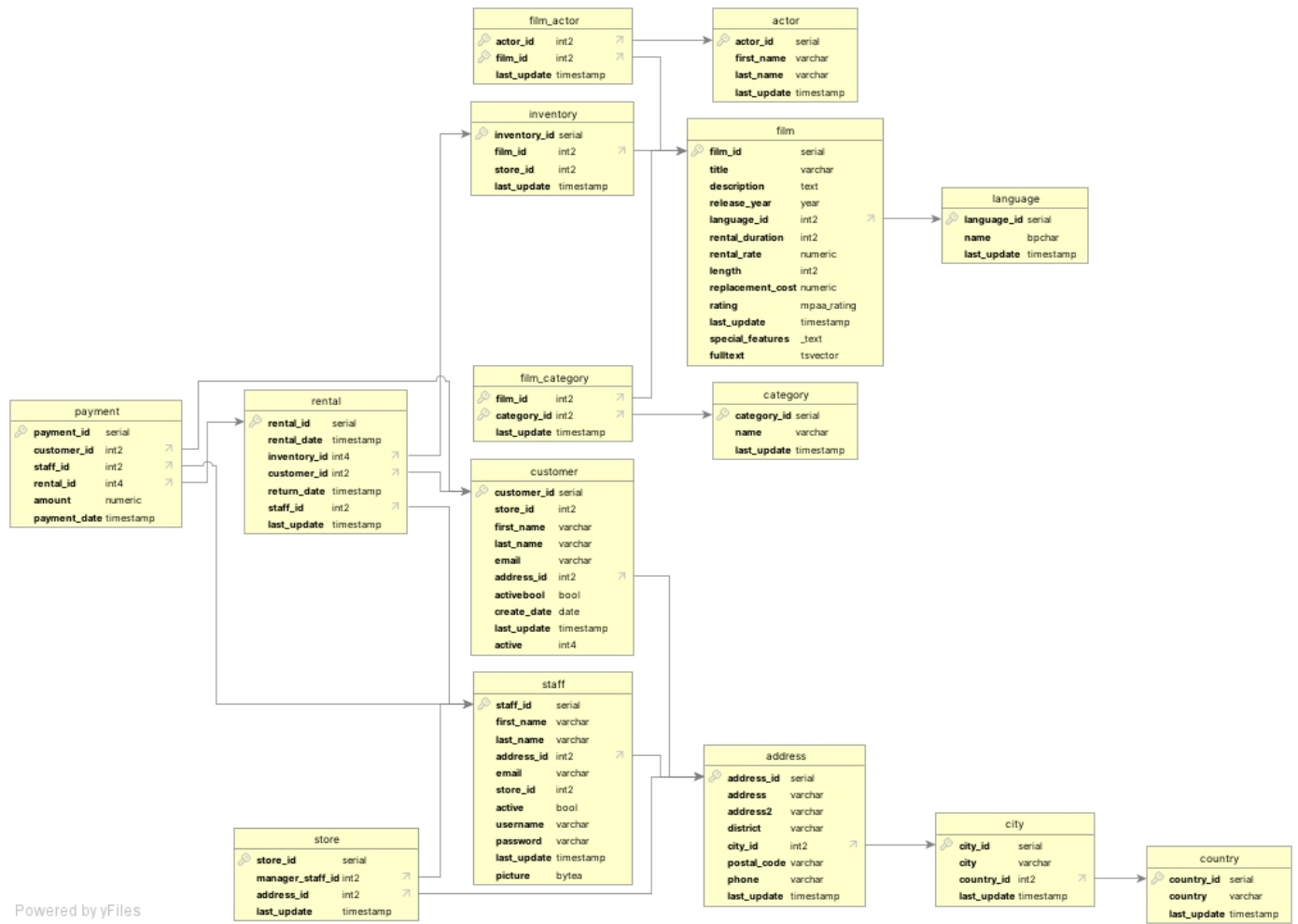
Author: William Zakrzewski

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DATA ENTITIES

film_actor
🔑 actor_id	int2	↗
🔑 film_id	int2	↗
last_update	timestamp	

actor
🔑 actor_id	serial
first_name	varchar
last_name	varchar
last_update	timestamp

inventory
🔑 inventory_id	serial
film_id	int2
store_id	int2
last_update	timestamp

film
🔑 film_id	serial
title	varchar
description	text
release_year	year
language_id	int2
rental_duration	int2
rental_rate	numeric
length	int2
replacement_cost	numeric
rating	mpaa_rating
last_update	timestamp
special_features	_text
fulltext	tsvector

language
🔑 language_id	serial
name	bpchar
last_update	timestamp

film_category
🔑 film_id	int2
🔑 category_id	int2
last_update	timestamp

category
🔑 category_id	serial
name	varchar
last_update	timestamp

payment
🔑 payment_id	serial
customer_id	int2
staff_id	int2
rental_id	int4
amount	numeric
payment_date	timestamp

rental
🔑 rental_id	serial
rental_date	timestamp
inventory_id	int4
customer_id	int2
return_date	timestamp
staff_id	int2
last_update	timestamp

customer
🔑 customer_id	serial
store_id	int2
first_name	varchar
last_name	varchar
email	varchar
address_id	int2
activebool	bool
create_date	date
last_update	timestamp
active	int4

staff
🔑 staff_id	serial
first_name	varchar
last_name	varchar
address_id	int2
email	varchar
store_id	int2
active	bool
username	varchar
password	varchar
last_update	timestamp
picture	bytea

store
🔑 store_id	serial
manager_staff_id	int2
address_id	int2
last_update	timestamp

address
🔑 address_id	serial
address	varchar
address2	varchar
district	varchar
city_id	int2
postal_code	varchar
phone	varchar
last_update	timestamp

city
🔑 city_id	serial
city	varchar
country_id	int2
last_update	timestamp

country
🔑 country_id	serial
country	varchar
last_update	timestamp

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LEGEND

🔑 Primary Key

➤ Primary Key Relation

⬅ Foreign Key Relation

FACT TABLES

PAYMENT

	Columns	Data Types	Description
🔑	payment_id	SERIAL	Unique identifier for payment
	customer_id	Small Integer (SMALLINT)	Unique identifier for customer
	staff_id	SMALLINT	Unique identifier for staff member
	rental_id	Integer (INT)	Unique identifier for rental
	amount	NUMERIC	Amount of payment
	payment_date	TIMESTAMP	Date of payment

Links To

	Table	Join	Description
↗	Rental	rental_id	Video rental info.
↗	Staff	staff_id	Staff member info.
↗	Customer	customer_id	Customer contact info.

RENTAL

	Columns	Data Types	Description
🔑	rental_id	SERIAL	Unique identifier for rental
	rental_date	TIMESTAMP	Date of Rental
	inventory_id	INT	Unique identifier for inventory item
	customer_id	SMALLINT	Unique identifier for customer
	return_date	TIMESTAMP	Date rental is returned
	staff_id	SMALLINT	Unique identifier for staff member

	last_update	TIMESTAMP	Date rental was last updated

Links To

	Table	Join	Description
↱	Inventory	inventory_id	Video rental inventory data
↱	Staff	staff_id	Staff member info.
↱	Customer	customer_id	Customer contact info.

Links From

	Table	Join	Description
↰	Payment	payment_id	Payment amount and data.

DIMENSION TABLES

STORE

	Columns	Data Types	Description
🔑	store_id	SERIAL	Unique identifier for store
	manager_staff_id	SMALLINT	Unique identifier for manager
	address_id	SMALLINT	Unique identifier for store address
	last_update	TIMESTAMP	Date store was last updated

Links To

	Table	Join	Description
↱	Address	address_id	Address data for both store and customer.
↱	Staff	manager_staff_id	Staff member info.

STAFF

	Columns	Data Types	Description
🔑	staff_id	SERIAL	Unique identifier for staff member
	first_name	VARCHAR (String)	First name of staff member
	last_name	VARCHAR	Last name of staff member
	address_id	SMALLINT	Unique identifier for store address
	email	VARCHAR	email address of staff member
	store_id	SMALLINT	Unique identifier for store
	active	BOOL (Boolean)	Active or Inactive staff member (True/False Indicator)
	username	SMALLINT	Staff Username
	password	SMALLINT	Staff Password
	last_update	TIMESTAMP	Date staff member was last updated
	picture	BYTEA	Picture of staff member

Links To

	Table	Join	Description
⤳	Address	address_id	Address data for both store and customer.

Links From

	Table	Join	Description
⤙	Payment	payment_id	Payment amount and data.
⤙	Store	store_id	Store data table
⤙	Rental	rental_id	Video rental data

CUSTOMER

	Columns	Data Types	Description
🔑	customer_id	SERIAL	Unique identifier for customer
	store_id	SMALLINT	Unique identifier for store
	first_name	VARCHAR	First name of customer
	last_name	VARCHAR	Last name of customer
	email	VARCHAR	email address of customer
	address_id	SMALLINT	Unique identifier for store address
	activebool	BOOL	Active or Inactive customer
	create_date	DATE	Date customer was created
	last_update	TIMESTAMP	Date customer was last updated
	active	INT	Customer activity (Integer)

Links To

	Table	Join	Description
↱	Address	address_id	Address data for both store and customer.

Links From

	Table	Join	Description
↰	Payment	payment_id	Payment amount and data.

	Rental	rental_id	Video rental data

ADDRESS

	Columns	Data Types	Description
🔑	address_id	SERIAL	Unique identifier for store address
	address	VARCHAR	First line of address
	address2	VARCHAR	Second line of address
	district	VARCHAR	Unique identifier for district
	city_id	VARCHAR	Unique identifier for city
	postal_code	SMALLINT	Postal code for store
	phone	VARCHAR	Phone number of store
	last_update	TIMESTAMP	Date address was last updated

Links To

	Table	Join	Description
	City	city_id	City data table

Links From

	Table	Join	Description
	Staff	staff_id	Staff member info
	Store	store_id	Store data table
	Customer	customer_id	Customer info data

CITY

	Columns	Data Types	Description
🔑	city_id	SERIAL	Unique identifier for city
	city	VARCHAR	Name of city
	country_id	SMALLINT	Unique identifier for country
	last_update	TIMESTAMP	Date city was last updated

Links To

	Table	Join	Description
⇥	Country	country_id	Country data table

Links From

	Table	Join	Description
⇤	Address	address_id	Address info for store and customer

COUNTRY

	Columns	Data Types	Description
🔑	country_id	SERIAL	Unique identifier for country
	country	VARCHAR	Name of country
	last_update	TIMESTAMP	Date country was last updated

Links From

	Table	Join	Description
⇥	City	city_id	City data table

INVENTORY

	Columns	Data Types	Description
🔑	inventory_id	SERIAL	Unique identifier for inventory
	film_id	SMALLINT	Unique identifier for film
	store_id	SMALLINT	Unique identifier for store
	last_update	TIMESTAMP	Date inventory was last updated

Links To

	Table	Join	Description
↱	Film	film_id	Film rental, replacement, and data table

Links From

	Table	Join	Description
↰	Rental	rental_id	Video rental data

FILM CATEGORY

	Columns	Data Types	Description
🔑	film_id	SMALLINT	Unique identifier for film
🔑	category_id	SMALLINT	Unique identifier for film category
	last_update	TIMESTAMP	Date film category was last updated

Links To

	Table	Join	Description
↱	Film	film_id	Film rental, replacement, and data table

	category	category_id	Genre of different films or categories

CATEGORY

|	Columns	Data Types	Description
🔑	category_id	SERIAL	Unique identifier for film category
	name	VARCHAR	Name of category
	last_update	TIMESTAMP	Date category was last updated

Links From

	Table	Join	Description
	Film Category	category_id	Film Category linking table/primary key

FILM

	Columns	Data Types	Description
🔑	film_id	SERIAL	Unique identifier for film
	title	VARCHAR	Name of film
	description	TEXT	Film Description
	release_year	YEAR	Year film was released
	language_id	SMALLINT	Unique identifier for film language
	rental_duration	SMALLINT	Duration of rental for this film
	rental_rate	NUMERIC	Rate of rental for this film
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC	Cost to replace film
	rating	MPAA_Rating	Film's rating

	last_update	TIMESTAMP	Date film was last updated
	special_features	_Text	Special features of film
	fulltext	TSVECTOR	Keywords for film

Links To

	Table	Join	Description
⟶	Language	language_id	Language film was made in.

Links From

	Table	Join	Description
⟵	Inventory	film_id	Film rental inventory data
⟵	Film Category	film_id	Film Category linking table/primary key
⟵	Film Actor	film_id	Film and Actor combination table.

LANGUAGE

|	Columns	Data Types	Description
🔑	language_id	SERIAL	Unique identifier for film language
	name	BPCHAR	Name of language
	last_update	TIMESTAMP	Date language was last updated

Links From

	Table	Join	Description
⟵	Film	film_id	Film rental, replacement, and data table

FILM ACTOR

Columns	Data Types	Description

	film_id	SERIAL	Unique identifier for film
🔑	actor_id	SERIAL	Unique identifier for actor
	last_update	TIMESTAMP	Last time film/actor was updated.

Links To

	Table	Join	Description
↱	Actor	actor_id	Film and Actor combination table.
↱	Film	film_id	Film rental, replacement, and data table

ACTOR

	Columns	Data Types	Description
🔑	actor_id	SERIAL	Unique identifier for actor
	first_name	VARCHAR	First name of actor
	last_name	VARCHAR	Last name of actor
	last_update	TIMESTAMP	Last time actor was updated.

Links From

	Table	Join	Description
↱	Actor	actor_id	Film and Actor combination table.