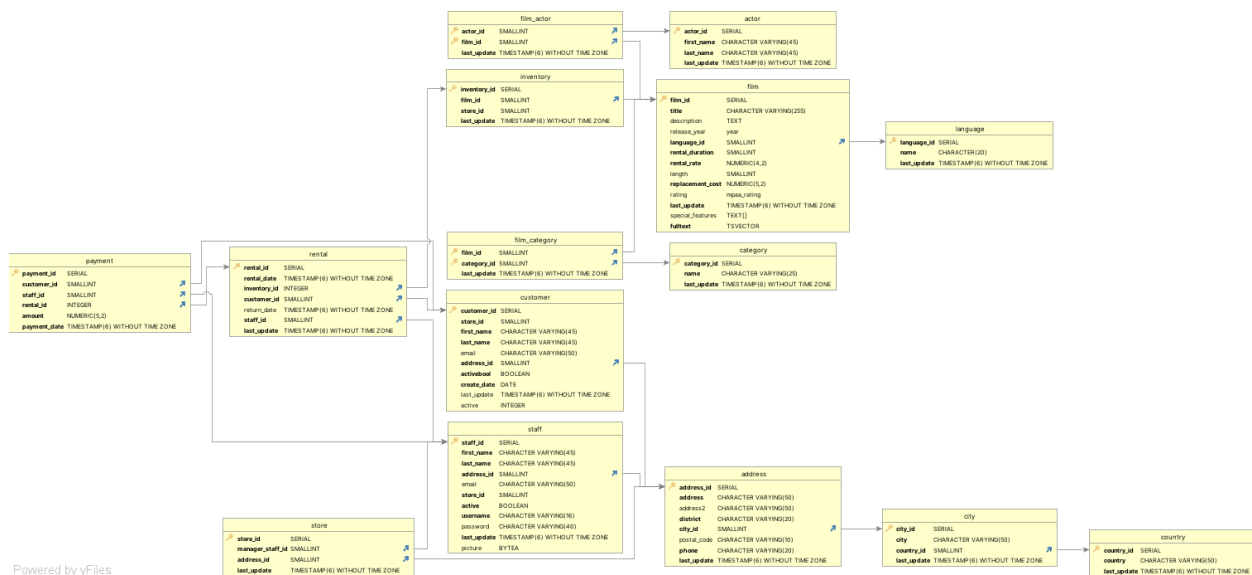# Rockbuster Stealth

Data Dictionary

Andres Cannizzo

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film_actor

actor_id	SMALLINT
film_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

actor

actor_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory

inventory_id	SERIAL
film_id	SMALLINT
store_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film

film_id	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language

language_id	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category

film_id	SMALLINT
category_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category

category_id	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment

payment_id	SERIAL
customer_id	SMALLINT
staff_id	SMALLINT
rental_id	INTEGER
amount	NUMERIC(5,2)
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental

rental_id	SERIAL
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id	INTEGER
customer_id	SMALLINT
return_date	TIMESTAMP(6) WITHOUT TIME ZONE
staff_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer

customer_id	SERIAL
store_id	SMALLINT
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
email	CHARACTER VARYING(50)
address_id	SMALLINT
activebool	BOOLEAN
create_date	DATE
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
active	INTEGER

staff

staff_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
address_id	SMALLINT
email	CHARACTER VARYING(50)
store_id	SMALLINT
active	BOOLEAN
username	CHARACTER VARYING(16)
password	CHARACTER VARYING(40)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
picture	BYTEA

address

address_id	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city

city_id	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country

country_id	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

store

store_id	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Rockbuster Stealth is a movie rental service similar to Blockbuster, but in recent years rental movie services have been going out of business, since Netflix, Amazon Prime, HBO, Hulu, etc, have been staying at the top of this industry in recent years. To stay on top of the competition, Rockbuster Stealth wants to compete and stay in business by opening up an online rental service similar to their competitors. Using this data dictionary it will help them navigate through their database more efficiently.

Key Legends:	
🔑 = Primary key	🔑 = Foreign key

Fact Table:
Payment

	Columns	Data type	Description
🔑	payment_id	serial	ID for organizing each payment transaction
🔑	customer_id	smallint	Unique ID for each customer
🔑	staff_id	smallint	Unique ID for staff member
🔑	rental_id	integer	Date and timestamp of rental
	amount	numeric(5,2)	Amount of payment
	payment_date	timestamp(6) w/o time zone	Timestamp when payment was made

Link to:

Table	Join
customer	payment.customer_id = customer.customer_id
staff	staff payment.staff_id = staff_staff_id
rental	payment.rental_id = rental.rental_id

	Columns	Data type	Description
🔑	rental_id	serial	Unique ID used for each rental information.
	rental_date	Timestamp(6) w/o time zone	Date and timestamp of rental
🔑	inventory_id	integer	Unique ID for inventory

	Columns	Data type	Description
🔑	customer_id	smallint	Unique ID for each customer
	return_date	timestamp(6) w/o time zone	Timestamp of rental return date and time
🔑	staff_id	smallint	Unique ID for staff member
	last_update	timestamp(6) w/o time zone	Timestamp for last update

Link to:

Table	Join
customer	rental.customer_id = customer.customer_id
inventory	rental.inventory_id = inventory.inventory_id
staff	rental.staff_id = staff.staff_id

Link from:

Table	Join
payment	payment.rental_id = rental.rental_id

Store:

	Columns	Data type	Description
🔑	store_id	integer	Unique ID for each store location
🔑	manager_staff_id	smallint	Unique ID given to each manager of the location
🔑	address_id	smallint	Unique ID for each store address
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Link to:

Table	Join
address	store.address_id = address.address_id
staff	store.manager_staff_id = staff.staff_id

Link from:

Table	Join
staff	staff.store_id = store.store_id
customer	customer.store_id= store.store_id
inventory	inventory.store_id = store.store_id

Film Actor:

	Columns	Data type	Description
🔑🔑	actor_id	smallint	Unique ID for each actor starred in the film
🔑🔑	film_id	smallint	Unique ID for each film
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links to:

Table	Join
actor	actor.actor_id = film_actor.actor_id
film	film.film_id = film_actor.film_id

Film_Category:

	Columns	Data type	Description
🔑🔑	film_id	smallint	Unique ID for each film
🔑🔑	category_id	smallint	Unique ID for each film category
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links to:

Table	Join
film	film_category.film_id = film.film_id
category	film_category.store_id = category.store_id

Inventory:

	Columns	Data type	Description
🔑	inventory_id	serial	Unique ID for each product unit
🔑	film_id	smallint	Unique ID for each film
🔑	store_id	smallint	Unique ID for each store location
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links to:

Table	Join
film	Inventory.film_id = film.film_id
store	Inventory.store_id = store.store_id

Links from:

Table	Join
rental	rental.inventory_id = inventory.inventory_id

Customer:

	Columns	Data type	Description
🔑	customer_id	serial	Unique ID for each customer

🔑	store_id	smallint	Unique ID for each store location
	first_name	character varying(45)	First name of customer
	last_name	character varying(45)	Last name of customer
	email	character varying(50)	Email of customer
🔑	address_id	smallint	Unique ID for address of customer
	activebool	boolean	Detemines true or false on activity
	create_date	date	Date when account was created for customer
	last_update	timestamp(6) w/o time zone	Timestamp for latest update
	active	integer	Uses 1 or 0 to display active status of customer

Links to:

Table	Join
address	customer.address_id = address.address_id
store	customer.store_id = store.store_id

Links from:

Table	Join
rental	rental.customer_id = customer.customer_id
payment	payment.customer_id = customer.customer_id

Staff

	Columns	Data type	Description
🔑	staff_id	serial	Unique ID for staff
	first_name	character varying(45)	First name of staff
	last_name	character varying(45)	Last name of staff
🔑	address_id	smallint	Unique ID for address of staff

	email	character varying(50)	Email of staff
	store_id	smallint	Unique ID for each store location
	active	boolean	Uses 1 or 0 to display active status of staff
	username	character varying(16)	Username of staff
	password	character varying(40)	Password of staff
	last_update	timestamp(6) w/o time zone	Timestamp for latest update
	picture	bytea	Image in binary code of staff member's face

Links to:

Table	Join
address	staff.address_id = address.address_id

Links from:

Table	Join
payment	payment.staff_id = staff.staff_id
rental	customer.customer_id = rental.customer_id
store	store.manager_staff_id = staff.staff_id

Actor:

	Columns	Data type	Description
🔑	actor_id	serial	Unique actor ID
	first_name	character varying(45)	First name of Actor
	last_name	character varying(45)	Last name of Actor
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links from:

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

Category:

	Columns	Data type	Description
🔑	category_id	Serial	Unique ID for category
	name	character varying(25)	Name of the category
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links from:

Table	Join
film_category	film_category.category_id = category.category_id

Film:

	Columns	Data type	Description
🔑	film_id	serial	Film title name
	title	character varying(255)	Film title name
	description	text	Film full description
	release_year	year	Release year of the film
🔑	language_id	smallint	Unique language ID
	rental_duration	smallint	Duration of rental usage
	rental_rate	numeric(4,2)	Price of rental
	length	smallint	Length of films
	replacement_cost	numeric(5,2)	Cost of film replacement
	rating	mpaa_rating	Rating of film by review in MPAA
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

	special_features	Text	Lists the special features of the film
	fulltext	tsvector	Unique text of the film for text search vectors

Links to:

Table	Join
language	film.language_id = language.language_id

Links from:

Table	Join
film_actor	film_actor.film_id = film.film_id
inventory	inventory.film_id = film.film_id
film_category	film_category.film_id = film.film_id

Address:

🔑	address_id	serial	Unique ID for address
	address	character varying(50)	Full address
	address2	character varying(50)	Secondary or backup address
	district	character varying(20)	District name
🔑	city_id	smallint(16)	Unique ID for city
	postal_code	character varying(10)	Zip code
	phone	character varying(20)	Phone number
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links to:

Table	Join
city	address.city_id = city.city_id

Links from:

Table	Join
customer	customer.address_id = address.address_id
staff	staff.address_id = address.address_id
store	store.address_id = address.address_id

Language:

	Columns	Data type	Description
🔑	language_id	serial	Unique ID for each language
	name	character(20)	Language name
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links from:

Table	Join
film	film.language_id = language.language_id

City:

	Columns	Data Type	Description
🔑	city_id	serial	Name of city
	city	Character varying(50)	Unique ID for city
🔑	country_id	smallint	Name of country
	last_update	timestamp(6) w/o time zone	Columns

Links to:

Table	Join
country	city.country_id = country.country_id

Links from:

Table	Join
country	country.country_id = city.country_id
address	address.city_id = city.city_id

Country:

	Columns	Data type	Description
🔑	country_id	serial	Unique ID for country
	country	Character varying(50)	Name of country
	last_update	timestamp(6) w/o time zone	Timestamp for latest update

Links from:

Table	Join
city	city.country_id = country.country_id