02/22/2022

Data Dictionary
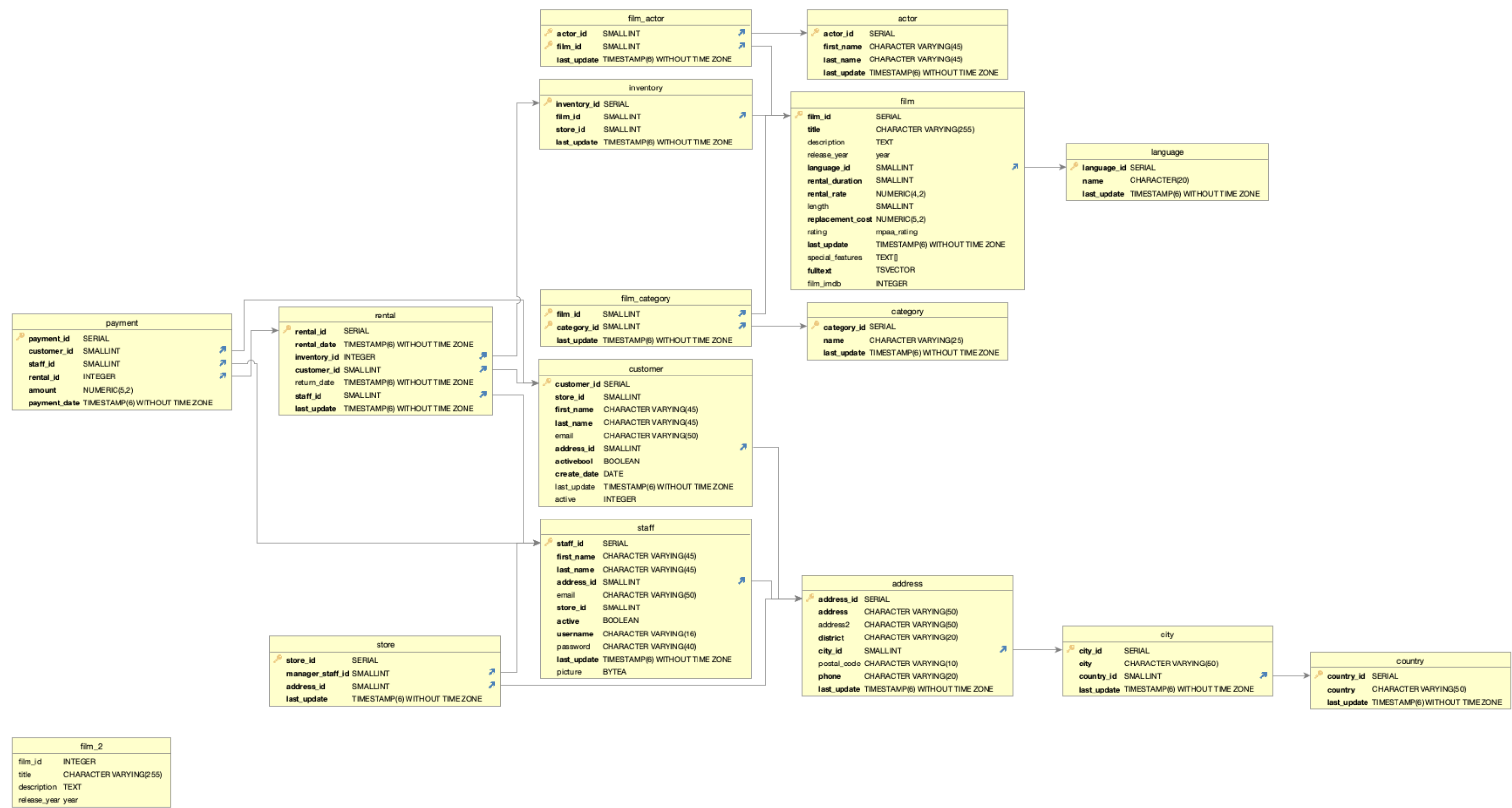
Rockbuster Stealth LLC

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1. Rockbuster Stealth Data

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
film_imdb	INTEGER

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

film_2
film_id	INTEGER
title	CHARACTER VARYING(255)
description	TEXT
release_year	year

abase Schema

2

2. Tables

2.1 film_2 - dimension

Links from Tables: None

Key	Columns	Data Type	Description
	Film_id	INTEGER	The id number of the film.
	title	CHARACTER VARYING(255)	The title of the film.
	description	TEXT	The film description.
	release_year	year	The year the film was released.

Links to Tables: None

2.2 store - dimension
Links from Tables: None

Key	Columns	Data Type	Description
🔑 unique key	store_id	SERIAL	The store number. (primary key).
🔑 foreign key	Manager_staff_id	SMALLINT	The id number of the store manager.
🔑 foreign key	Address_id	SMALLINT	The address of the store
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: staff, address

2.3 payment - fact
 Links from Tables: None

Key	Columns	Data Type	Description
🔑 unique key	payment_id	SERIAL	The transaction number (primary key).
🔑 foreign key	customer_id	SMALLINT	The unique customer number (identifies which customer made the transaction)
🔑 foreign key	staff_id	SMALLINT	The unique staff number (identifies which staff member that was involved in the transaction, foreign key)
🔑 foreign key	rental_id	INTEGER	The number identifying the rental event (foreign key).
	amount	NUMERIC(5,2)	The cost of the rental.
	Payment date	TIMESTAMP (6) WITHOUT TIMEZONE	The date the payment was made

Links to Tables: rental, staff, customer

2.4 rental - fact
Links from Tables: payment

Key	Columns	Data Type	Description
⚿ unique key	rental_id	SERIAL	The number identifying the rental event (primary key).
	Rental_date	TIMESTAMP (6) WITHOUT TIMEZONE	The date the film was rented.
⚿ foreign key	inventory_id	INTEGER	The id number linking the rental to the inventory table (helps with inventory count, foreign key)
⚿ foreign key	customer_id	SMALLINT	The number identifying the customer who rented the film (foreign key)
	Return_date	TIMESTAMP (6) WITHOUT TIMEZONE	The date the film was returned
⚿ foreign key	Staff_id	SMALLINT	The number identifying the staff member who rented out the film (foreign key).

Links to Tables: inventory, customer, staff

2.5 film_actor - dimension
Links from Tables: None

Key	Columns	Data Type	Description
⚿ unique key	actor_id	SMALLINT	The unique number identifying an actor (primary key).
⚿ foreign key	film_id	SMALLINT	The id number of the film (primary key).
⚿ foreign key	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: film, actor

2.6 inventory - dimension
Links from Tables: store

Key	Columns	Data Type	Description
⚿ unique key	inventory_id	SERIAL	The unique number identifying an inventory record (primary key).
⚿ foreign key	Film_id	SMALLINT	The unique number identifying a film (foreign key).
⚿ foreign key	Store_id	SMALLINT	The unique number identifying a store (foreign key).
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: film

2.7 film_category - dimension
Links from Tables: none

Key	Columns	Data Type	Description
🔑 unique key	film_id	SMALLINT	The unique number identifying a film (primary key).
🔑 foreign key	category_id	SMALLINT	The unique number identifying a film genre (primary key).
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: category

2.8 customer - dimension
Links from Tables: payment, rental

Key	Columns	Data Type	Description
🔑 unique key	customer_id	SERIAL	The unique number identifying a customer (primary key).
	store_id	SMALLINT	The unique number identifying a store (foreign key).
	First_name	CHARACTER VARYING(45)	The first name of a customer.
	Last_name	CHARACTER VARYING(45)	The last name of a customer.
	email	CHARACTER VARYING(50)	The customer's email.
🔑 foreign key	Address_id	SMALLINT	The unique number identifying an address (foreign key).
	activebool	BOOLEAN	Whether the account is active or not.
	Create_date	DATE	The date the record was created.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.
	active	INTEGER	The integer associated with whether an account is active or not.

Links to Tables: address

2.9 staff - dimension
Links from Tables: payment, rental, store

Key	Columns	Data Type	Description
🔑 unique key	staff_id	SERIAL	The unique number identifying a staff member (primary key).
	First_name	CHARACTER VARYING(45)	The first name of a staff member.
	Last_name	CHARACTER VARYING(45)	The last name of a staff member
🔑 foreign key	Address_id	SMALLINT	The unique number identifying an address (foreign key).
	email	CHARACTER VARYING(50)	The email of a staff member.
🔑 foreign key	store_id	SMALLINT	The store number the staff member works at (foreign key).
	active	BOOLEAN	Whether a staff member still is working or has resigned.
	username	CHARACTER VARYING(16)	The employee's login username.
	password	CHARACTER VARYING(40)	The employee's login password.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

	picture	BYTEA	The picture of a staff member

Links to Tables: address

2.10 actor - dimension
Links from Tables: film_actor

Key	Columns	Data Type	Description
☛ unique key	Actor_id	SERIAL	The unique number identifying an actor (primary key).
	First_name	CHARACTER VARYING(45)	The first name of an actor.
	Last_name	CHARACTER VARYING(45)	The last name of an actor.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links from Tables: None

2.11 film - dimension
Links from Tables: film_actor, inventory, film_category

Key	Columns	Data Type	Description
☛ unique key	film_id	SERIAL	The unique number identifying a film (primary key).
	title	CHARACTER VARYING(255)	The title of a film.
	description	TEXT	The description of a film.
	release_year	year	The year a film was released.
☛ foreign key	Language_id	SMALLINT	The number identifying the language a film is in.
	Rental_duration	SMALLINT	How many long the film is usually rented for.
	Release_rate	NUMERIC(4,2)	The rating (ex: PG, R) of the film.
	length	SMALLINT	The length of the film.
	Replacement_cost	NUMERIC(5,2)	The amount it is to replace the film if it is lost.
	rating	Mpaa_rating	The film's rating.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.
	Special_features	TEXT[]	Any special feature (ex: Trailers, Behind the Scenes) a film might have
	fulltext	TSVECTOR	The search terms for the film.
	Film_imdb	INTEGER	The film's IMDB account.

Links to Tables: language

2.12 Category - dimension
Links from Tables: film_category

Key	Columns	Data Type	Description
☛ unique key	category_id	SERIAL	The unique number identifying a category of a film (primary key)

Key	Columns	Data Type	Description
	name	CHARACTER VARYING(2,5)	The name of the category.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: None

2.13 address - dimension
Links from Tables: store, staff, customer

Key	Columns	Data Type	Description
🔑 unique key	address_id	SERIAL	The unique number identifying an address record(primary key).
	address	CHARACTER VARYING(50)	The address (line 1) of a customer or staff member.
	Address2	CHARACTER VARYING(50)	The address (line 2) of a customer or staff member.
	district	CHARACTER VARYING(20)	The district of a customer or staff members address.
🔑 foreign key	City_id	SMALLINT	The unique number identifying a city.
	Postal_code	CHARACTER VARYING(10)	The postal code of a customer or staff members address.
	phone	CHARACTER VARYING(20)	The phone number of a customer or staff member.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: City

2.14 language – dimension
Links from Tables: film

Key	Columns	Data Type	Description
🔑 unique key	language_id	SERIAL	The unique number identifying a language of a film (primary key)
	name	CHARACTER VARYING(20)	The language of a film.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: None

2.15 city - dimension
Links from Tables: address

Key	Columns	Data Type	Description
🔑 unique key	city_id	SERIAL	The unique number identifying a city (primary key).
	city	CHARACTER VARYING(50)	The name of a city.
🔑 foreign key	country_id	SMALLINT	The unique number identifying a country (foreign key).
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: country

2.16 country - dimension
Links from Tables: city

Key	Columns	Data Type	Description
☛ unique key	country_id	SERIAL	The unique number identifying a country (primary key).
	country	CHARACTER VARYING(50)	The name of a country.
	Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	The date the record was last updated.

Links to Tables: None