Rockbuster Stealth LLC

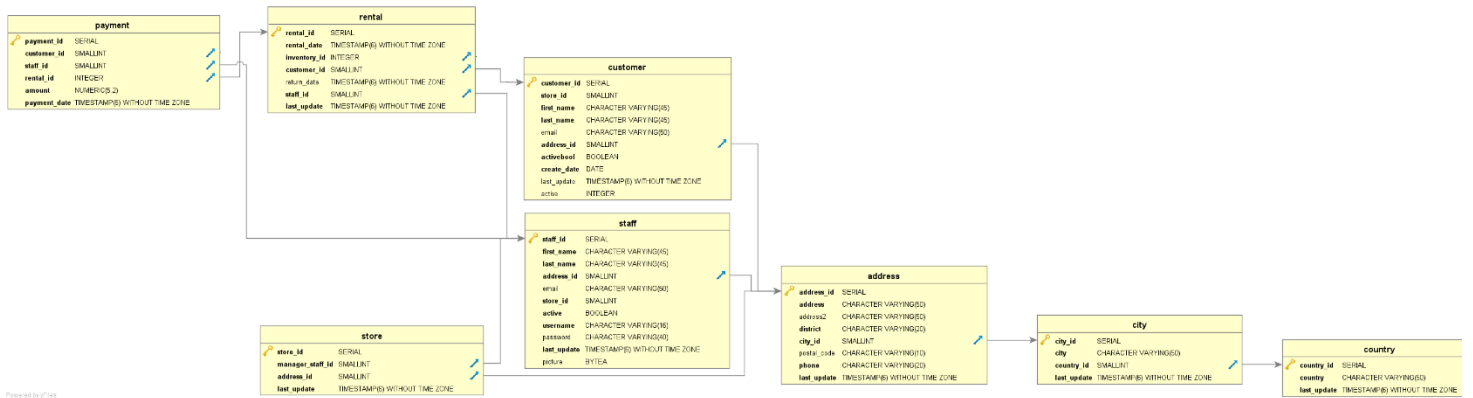## Data Dictionary

02/11/2021

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Rockbuster Stealth LLC

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

Rockbuster's database includes film inventory, film attributes, customer information and payment information.

You can download Rockbusters database here: Rockbuster Database

Payment

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

store

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

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

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3 . Payment Tables

3.1 –Table: Payment

Columns

	Name	Data Type	Description
🔑	payment_id	SERIAL	Primary key for payment records. Identity increment for payment
	customer_id	SMALLINT	Identity increment for customers
	staff_id	SMALLINT	Identity increment for staff
	rental_id	INTEGER	Identity increment for film rental
	amount	NUMERIC(5,2)	Monetary amount of payment
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of payment

Links To

Table
Customer
Rental
Staff

Links From

Table
N/A

Unique Keys

	Column	Description
🔑	payment_id	Primary Key

3.2 –Table: Rental

Columns

	Name	Data Type	Description
🔑	Rental_id	SERIAL	Primary key for rental records. Identity increment for rental
	Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of rental
	Inventory_id	INTEGER	Identity increment for inventory
	Customer_id	SMALLINT	Identity increment for customer
	Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of return
	Staff_id	SMALLINT	Identity increment for staff
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time rental last updated

Links To

Table
Customer
Inventory
Staff

Links From

Table
Payment

Unique Keys

	Column	Description
🔑	rental_id	Primary Key

3.3 –Table: Customer

Columns

	Name	Data Type	Description
🔑	Customer_id	SERIAL	Primary key for customer records. Identity increment for customer
	Store_id	SMALLINT	Identity increment for store
	First_name	CHARACTER VARYING(45)	Customer's first name
	Last_name	CHARACTER VARYING(45)	Customer's last name
	Email	CHARACTER VARYING(45)	Customer's email
	Address_id	SMALLINT	Identity increment for customer's address
	Activebool	BOOLEAN	True or False confirming whether customer active or not in system
	Create_date	DATE	Date/time customer created in system
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time customer's profile last updated
	active	INTEGER	0 or 1 integer for whether customer is active or not

Links To

Table
Address

Links From

Table
Payment
Rental

Unique Keys

	Column	Description
🔑	customer_id	Primary Key

3.4 –Table: Store

Columns

	Name	Data Type	Description
🔑	store_id	SERIAL	Primary key for store records. Identity increment for store
	manager_staff_id	SMALLINT	Identity increment for manager & staff at store
	address_id	SMALLINT	Identity increment for store's address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time store last updated

Links To

Table
Address
Staff

Links From

Table
N/A

Unique Keys

	Column	Description
🔑	store_id	Primary Key

3.5 –Table: Staff

Columns

	Name	Data Type	Description
🔑	staff_id	SERIAL	Primary key for staff records. Identity increment for staff
	First_name	CHARACTER VARYING(45)	Staff's first name
	Last_name	CHARACTER VARYING(45)	Staff's last name
	Address_id	SMALLINT	Identity increment for Staff's address
	Email	CHARACTER VARYING(50)	Staff's email
	Store_id	SMALLINT	Identity increment for store where staff is employed
	Active	BOOLEAN	True or False confirming whether staff active or not in system
	Username	CHARACTER VARYING(40)	Staff's username
	password	CHARACTER VARYING(40)	Staff's password
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time Staff's profile last updated
	Picture	BYTEA	Staff's picture

Links To

Table
Address

Links From

Table
Payment
Store
Rental

Unique Keys

	Column	Description
🔑	Staff_id	Primary Key

3.6 –Table: Address

Columns

	Name	Data Type	Description
🔑	address_id	SERIAL	Primary key for address records. Identity increment for address
	address	CHARACTER VARYING(50)	First line of address
	Address2	CHARACTER VARYING(50)	Second line of address
	District	CHARACTER VARYING(20)	Address district
	City_id	SMALLINT	Address city
	Postal_code	CHARACTER VARYING(10)	Address postal code
	phone	CHARACTER VARYING(20)	Phone number of staff
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time address profile last updated

Links To

Table
City

Links From

Table
Staff
Store
Customer

Unique Keys

	Column	Description
🔑	address_id	Primary Key

3.7 –Table: City

Columns

	Name	Data Type	Description
🔑	city_id	SERIAL	Primary key for city records. Identity increment for city
	city	CHARACTER VARYING(50)	Name of city
	Country_id	SMALLINT	Identity increment for country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time city last updated

Links To

Table
Country

Links From

Table
Address

Unique Keys

	Column	Description
🔑	city_id	Primary Key

3.8 –Table: Country

Columns

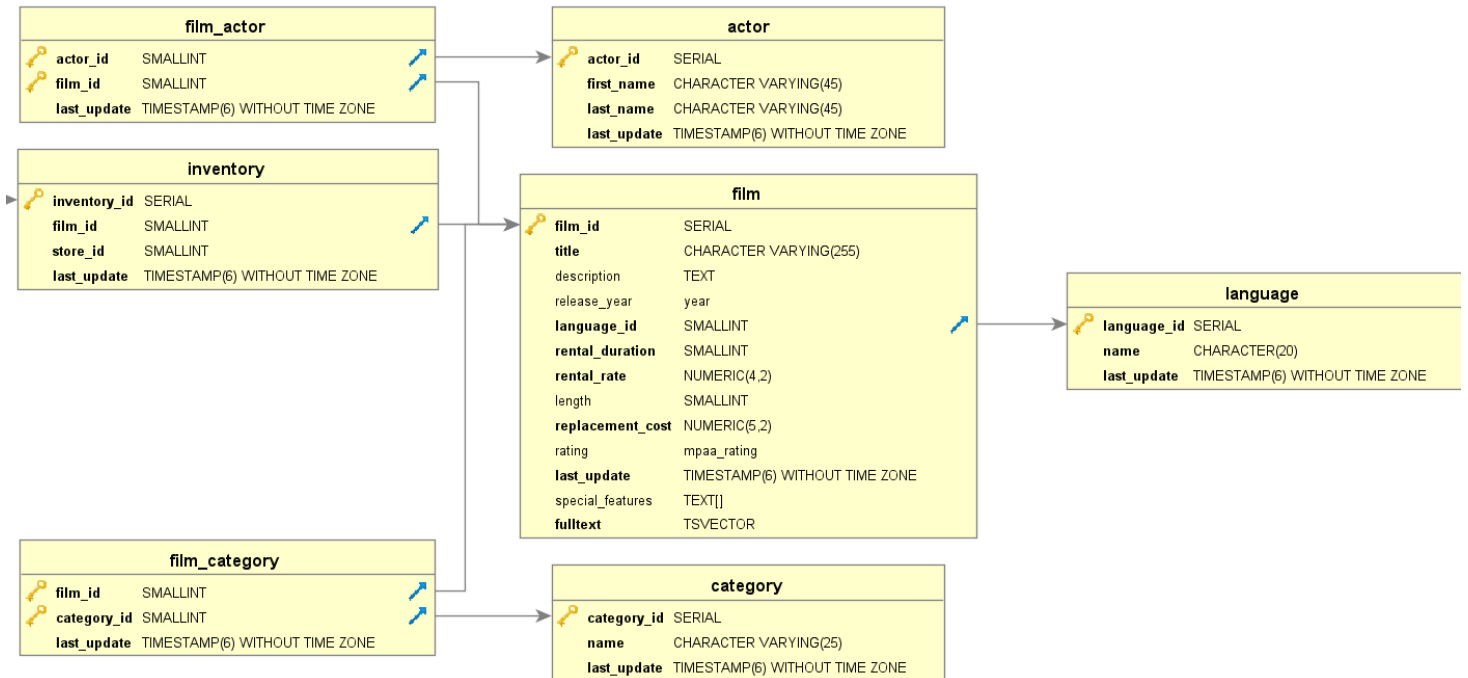|	Name	Data Type	Description
🔑	country_id	SERIAL	Primary key for country records. Identity increment for country
	Country	CHARACTER VARYING(50)	Name of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time country last updated

Links To

Table
N/A

Links From

Table
City

Unique Keys

	Column	Description
🔑	country_id	Primary Key

Inventory

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	

5 . Inventory Tables

5.1 –Table: Film_Category

Columns

	Name	Data Type	Description
🔑	film_id	SERIAL	Primary key for film records. Identity increment for film
🔑	category_id	SMALLINT	Candidate key for film records. Identity increment for film category
	last_update	SERIAL	Date/time film last updated

Links To

Table
Category
Film

Links From

Table
N/A

Unique Keys

	Column	Description
🔑	film_id	Primary Key
🔑	Category_id	Candidate Key

5.2 –Table: Category

Columns

	Name	Data Type	Description
🔑	category_id	SERIAL	Primary key for category records. Identity increment for category
	name	CHARACTER(25)	Name of category (genre of film)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time category last updated

Links To

Table
N/A

Links From

Table
Film_Category

Unique Keys

	Column	Description
🔑	category_id	Primary Key

5.3 –Table: Film

Columns

	Name	Data Type	Description
🔑	film_id	SERIAL	Primary key for film records. Identity increment for film
	title	CHARACTER VARYING(255)	Title of film
	description	TEXT	Description of film
	Release_year	year	Release year of film
	Language_id	SMALLINT	Language of film
	Rental_duration	SMALLINT	Rental duration of film
	Rental_rate	NUMERIC(4,2)	Rental rate of film
	length	SMALLINT	Length of film
	Replacement_cost	NUMERIC(5,2)	Replacement cost of film
	rating	Mpaa_rating	Rating of film
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time film's profile last updated
	Special_features	TEXT[]	Description of what special features are included (Trailers, Behind the scenes, etc…)
	fulltext	TSVECTOR	Summary of text describing film

Links To

Table
Language

Links From

Table
Film_Category
Inventory
Film_Actor

Unique Keys

	Column	Description
🔑	Film_id	Primary Key

5.4 –Table: Film_Actor

Columns

	Name	Data Type	Description
🔑	actor_id	SMALLINT	Primary key for actor records. Identity increment for actor
🔑	film_id	SMALLINT	Candidate key for actor records. Identity increment for film category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time actor last updated

Links To

Table
Actor
Film

Links From

Table
N/A

Unique Keys

	Column	Description
🔑	actor_id	Primary Key
🔑	film_id	Candidate Key

5.5 –Table: Inventory

Columns

	Name	Data Type	Description
🔑	inventory_id	SERIAL	Primary key for inventory records. Identity increment for inventory
	Film_id	SMALLINT	Identity increment for film
	Store_id	SMALLINT	Identity increment for store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time inventory last updated

Links To

Table
Film

Links From

Table
Rental

Unique Keys

	Column	Description
🔑	inventory_id	Primary Key

5.6 –Table: Actor

Columns

	Name	Data Type	Description
🔑	actor_id	SERIAL	Primary key for actor records. Identity increment for actor
	First_name	CHARACTER VARYING(45)	Actor's first name
	Last_name	CHARACTER VARYING(45)	Actor's last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time actor last updated

Links To

Table
N/A

Links From

Table
Film_Actor

Unique Keys

	Column	Description
🔑	actor_id	Primary Key

5.7 –Table: Language

Columns

	Name	Data Type	Description
🔑	language_id	SERIAL	Primary key for language records. Identity increment for language
	name	CHARACTER(20)	Name of language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time language last updated

Links To

Table
N/A

Links From

Table
Film

Unique Keys

	Column	Description
🔑	language_id	Primary Key