ROCKBUSTER STELTH LLC.

Data Dictionary

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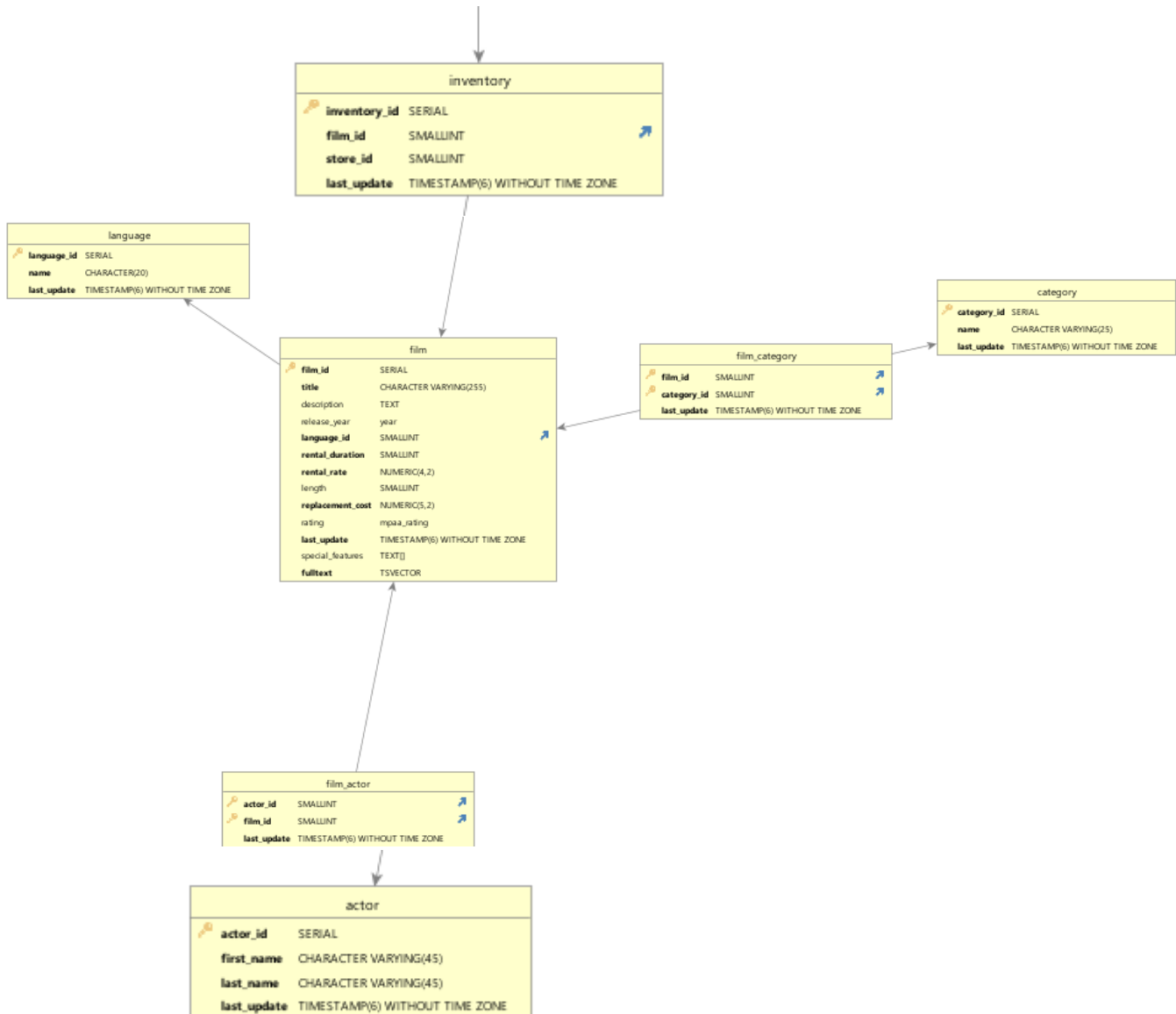
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Executive Summary

Rockbuster Stealth LLC is a movie rental company that has stores around the world. This data dictionary provides an ovierview and the metadata of the firm's relational database that contains information about Rockbuster's film inventory, customers, and payments, etc.

ENTITY RELATIONSHIP DIAGRAM - ERD

country

🔑 **country_id**	SERIAL	
country	CHARACTER VARYING(50)	
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	

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	

store

🔑 **store_id**	SERIAL	
manager_staff_id	SMALLINT	↗
address_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	

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	

inventory

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

language

🔑 **language_id**	SERIAL
name	CHARACTER(20)
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

category

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

film_category

🔑 **film_id**	SMALLINT	↗
🔑 **category_id**	SMALLINT	↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

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

DIMENSION TABLES

	Legend	
🔑	primary key	
↗	foreign key	

actor		
Column Name	**Data Type**	**Description**
🔑 actor_id	serial	Identifier of the actor
first_name	varchar	First name of the actor
last_name	varchar	Last name of the actor
last_update	timestamp	Time and date of record being updated the last time

address		
Column Name	**Data Type**	**Description**
🔑 address_id	serial	Identifier of the address
address	varchar	Address
address2	varchar	additional adress information
district	varchar	District
↗ city_id	int2	Identifier of the city
postal_code	varchar	Postal code
phone	varchar	Phone number
last_update	timestamp	Time and date of record being updated the last time

category		
Column Name	**Data Type**	**Description**
🔑 category_id	serial	Identifier of the film category
name	varchar	Name of the film category
last_update	timestamp	Time and date of record being updated the last time

city		
Column Name	**Data Type**	**Description**
🔑 city_id	serial	Identifier of the city
city	varchar	City name
↗ country_id	int2	Identifier of the country
last_update	timestamp	Time and date of record being updated the last time

DIMENSION TABLES (continued)

	Column Name	Data Type	Description
	customer		
🔑	customer_id	serial	Identifier of the customer
↗	store_id	int2	Identifier of the store
	first_name	varchar	First name of customer
	last_name	varchar	Last name of customer
	email	varchar	email address of the customer
↗	address_id	int2	Identifier of the address
	activebool	bool	indicator if customer is active (true or false)
	create_date	date	Time of customer record being created
	last_update	timestamp	Time and date of record being updated the last time
	active	int4	indicator if customer is active (0 or 1)

	Column Name	Data Type	Description
	film		
🔑	film_id	serial	Identifier of the film
	title	varchar	Title of the film
	description	text	Description of film plot
	release_year	year	Release year of the film
↗	language_id	int2	Identifier of the language
	rental_duration	int2	Duration of the rental
	rental_rate	numeric	Rental fee
	length	int2	Length of the film
	replacement_cost	numeric	Film replacement cost
	rating	mpaa_rating	Film rating in the Motion Picture Association film rating system
	last_update	timestamp	Time and date of record being updated the last time
	special_features	_text	available special features of the film
	fulltext	tsvector	key words in the film description

DIMENSION TABLES (continued)

language

	Column Name	Data Type	Description
🔑	language_id	serial	Identifier of the language
	name	bpchar	Name of the language
	last_update	timestamp	Time and date of record being updated the last time

payment

	Column Name	Data Type	Description
🔑	payment_id	serial	Identifier of the payment
↗	customer_id	int2	Identifier of the customer
↗	staff_id	int2	Identifier of the staff
↗	rental_id	int4	Identifier of the rental transaction
	amount	numeric	Amount of payment in USD
	payment_date	timestamp	Time and date of record being updated the last time

rental

	Column Name	Data Type	Description
🔑	rental_id	serial	Identifier of rental transaction
	rental_date	timestamp	Date of rental
↗	inventory_id	int4	Inventory identifier of the film
↗	customer_id	int2	Identifier of the customer
	return_date	timestamp	Date of return of the film
↗	staff_id	int2	Identifier of staff
	last_update	timestamp	Time and date of record being updated the last time

staff

	Column Name	Data Type	Description
🔑	staff_id	serial	Identifier of staff
	first_name	varchar	First name of staff
	last_name	varchar	Last name of staff
↗	address_id	int2	Identifier of address
	email	varchar	email address of staff
↗	store_id	int2	Idenrtifier of store
	active	bool	Indicator if staff has an active employment
	username	varchar	Username of staff
	password	varchar	Password of staff
	last_update	timestamp	Time and date of record being updated the last time
	picture	bytea	Picture of staff

FACT TABLES

Legend	
⚬━	primary key
↗	foreign key

film_category			
	Column Name	**Data Type**	**Description**
↗	film_id	int2	Identifier of the film
↗	category_id	int2	Identifier of the film category
	last_update	timestamp	Time and date of record being updated the last time

inventory			
	Column Name	**Data Type**	**Description**
⚬━	inventory_id	serial	Inventory identifier of the film
↗	film_id	int2	Identifier of the film
↗	store_id	int2	Identifier of the store
	last_update	timestamp	Time and date of record being updated the last time

film_actor			
	Column Name	**Data Type**	**Description**
↗	actor_id	int2	Identifier of the actor
↗	film_id	int2	Identifier of film
	last_update	timestamp	Time and date of record being updated the last time

store			
	Column Name	**Data Type**	**Description**
⚬━	store_id	serial	Identifier of the store
	manager_staff_id	int2	Identifier of staff
↗	address_id	int2	Identifier of the address
	last_update	timestamp	Time and date of record being updated the last time