DATA DICTIONARY

ROCKBUSTER STEALTH LLC

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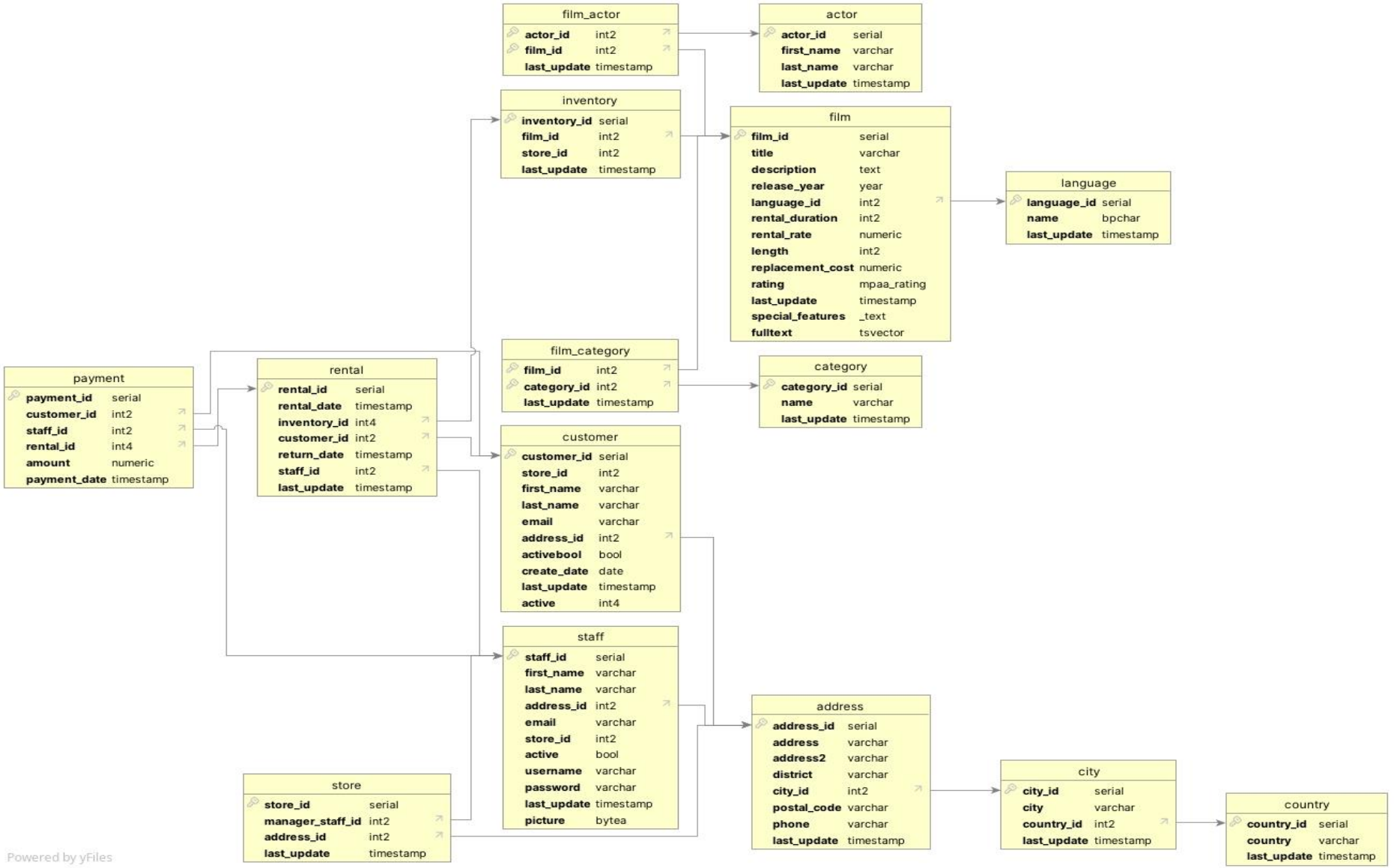
A) Rockbustors's ERD:


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
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
film_category
film_id int2
category_id int2
last_update timestamp
category
category_id serial
name varchar
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
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
store
store_id serial
manager_staff_id int2
address_id int2
last_update timestamp
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B) Fact tables:

Table Name	Columns	Data Type	Description
Rental	Rental-id	serial	Unique ID for each rental transaction.
	Rental-date	timestamp	Rental date and time
	Inventory-id	int4	Reference to the inventory (which film was rented).
	Customer_id	int4	the customer renting the film.
	Return_date	timestmp	Return Date and time
	Staff_id	int2	Staff member
	Last_update	timestamp	Last time the rental record was updated.
Payment	payment_id	serial	Unique ID for each payment.
	customer_id	int2	Customer making the payment.
	staff_id	int2	Staff member
	rental_id	int4	Associated rental ID.
	amount	numeric	Amount paid by the customer.
	payment_date	timestamp	Date and time of the payment.

C) Dimension tables:

Table Name	Columns	Data Type	Description
Film	film_id	serial	Unique film ID.
	title	varchar	Title of the film.
	description	text	Description of the film.
	release year	year	Year the film was released.
	language_id	int2	Language ID.
	rental_duration	int2	Number of days for rental.
	rental_rate	numeric	Cost of renting the film.
	length	int2	Duration of the film in minutes.
	replacement_cost	numeric	Cost of replacing the film if lost.
	rating	mpaa_rating	Movie rating (e.g., PG-13).
	last_update	timestamp	Last update time for the film.
	special_features	text	Special features included.
	fulltext	tsvector	Text search vector for full-text search.
Actor	actor_id	serial	Unique actor ID.
	first_name	varchar	Actor's first name.
	last_name	varchar	Actor's last name.

	last_update	timestamp	Last update time for actor's record.
Film_actor	actor_id	int2	Reference to actor.
	film_id	int2	Reference to film.
	last_update	timestamp	Last update time.
category	category_id	serial	Unique category ID.
	name	varchar	Name of the category.
	last_update	timestamp	Last update time.
Film_category	film_id	int2	Film reference.
	category_id	int2	Category reference.
	last_update	timestamp	Last update time.
Language	language_id	serial	Unique language ID.
	name	bpchar	Name of the language.
	last_update	timestamp	Last update time.
Customer	customer_id	serial	Unique customer ID.
	store_id	int2	Store ID where the customer registered.
	first_name	varchar	Customer's first name.
	last_name	varchar	Customer's last name.
	email	varchar	Customer's email address.
	address_id	int2	Address reference.

	activebool	bool	Whether the customer account is active.
	create_date	date	Customer creation date.
	last_update	timestamp	Last update time.
	active	int4	Active status of customer.
Store	store_id	serial	Store ID.
	manager_staff_id	int2	Store manager staff ID.
	address_id	int2	Store address ID.
	last_update	timestamp	Last update time.
Staff	staff_id	serial	Staff ID.
	first_name	varchar	Staff's first name.
	last_name	varchar	Staff's last name.
	address_id	int2	Staff's address reference.
	email	varchar	Staff's email.
	store_id	int2	Store where staff works.
	active	bool	Staff active status.
	username	varchar	Staff username.
	password	varchar	Staff password.
	last_update	timestamp	Last update time.
	picture	bytea	Staff picture.

Address	address_id	serial	Unique address ID.
	address	varchar	First line of the address.
	address2	varchar	Second line of the address (optional).
	district	varchar	District.
	city_id	int2	City reference.
	postal_code	varchar	Postal code.
	phone	varchar	Phone number.
	last_update	timestamp	Last update time.
City	city_id	serial	Unique city ID.
	city	varchar	City name.
	country_id	int2	Country reference.
	last_update	timestamp	Last update time.
Country	country_id	serial	Unique country ID.
	country	varchar	Country name.
	last_update	timestamp	Last update time.