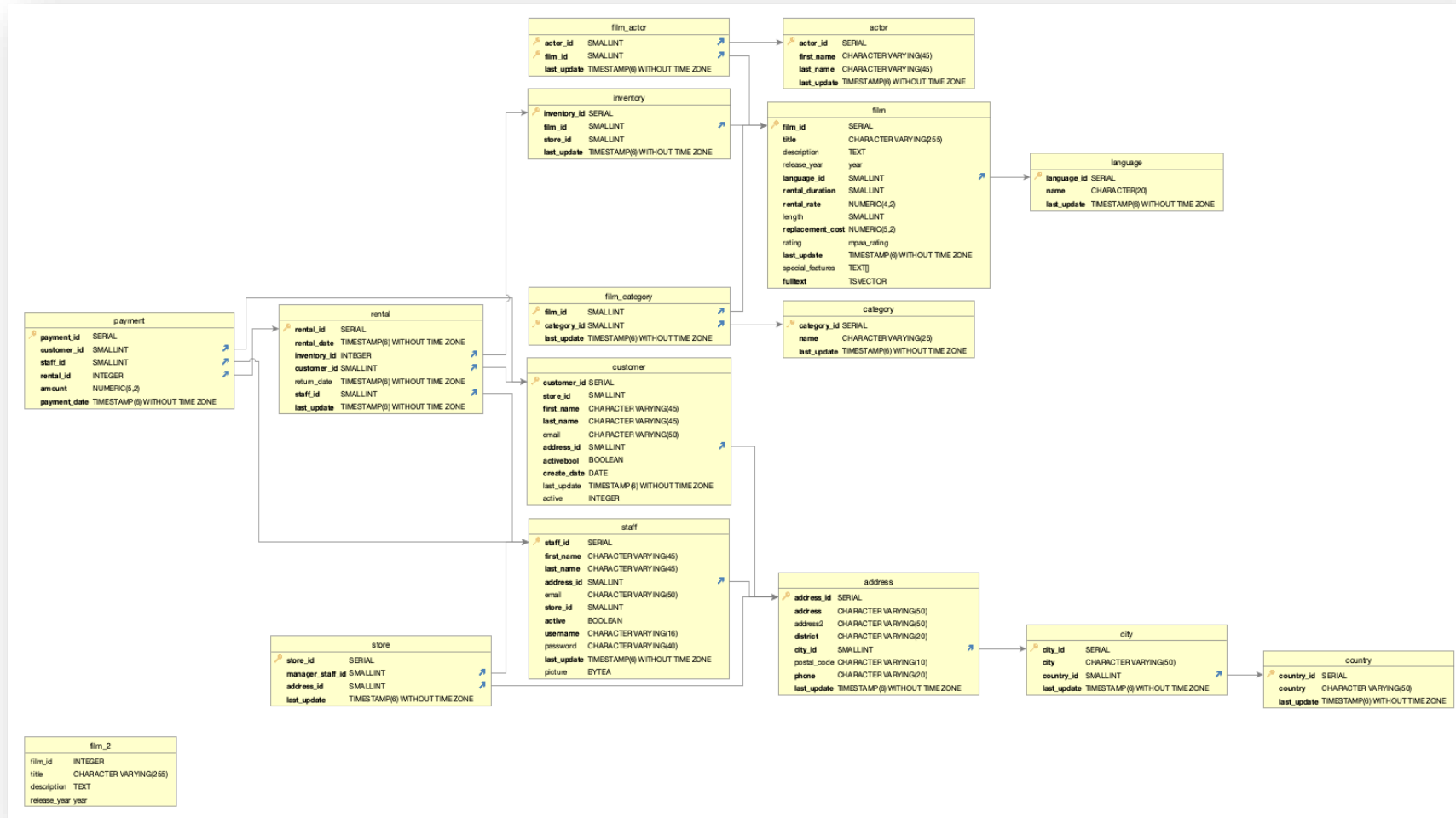


August 7th, 2022.

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Entity Relationship Diagram (ERD)







Fact Table

Rental

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 rental_id	serial	Number assigned
rental_date	timestamp	Date of rental
 inventory_id	int4	Number assigned to item in the table
 customer_id	int2	Number assigned to customer
return_date	timestamp	Date rental was returned
 staff_id	int2	Number assigned to employee
last_update	timestamp	Date entry was last updated

Dimension Table

Payment

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 payment_id	serial	Number assigned to payment
 customer_id	int2	Number assigned to customer
 staff_id	int2	Number assigned to employee
 rental_id	int4	Number assigned to rental
amount	numeric	Amount paid
payment_date	timestamp	Date of payment

Store

COLUMN_NAME	TYPE_NAME	DESCRIPTION
🔑 store_id	serial	Number assigned to store
➡ manager_staff_id	int2	Number assigned to store manager
➡ address_id	int2	Number assigned to store address
last_update	timestamp	NE Date entry was last updated



Film_actor

COLUMN_NAME	TYPE_NAME	DESCRIPTION
🔑 ➡ actor_id	int2	Number assigned to actor
🔑 ➡ film_id	int2	Number assigned to actor film
last_update	timestamp	Date entry was last updated





Inventory

COLUMN_NAME	TYPE_NAME	DESCRIPTION
🔑 inventory_id	serial	Number assigned to item
➡ film_id	int2	Number assigned to film
store_id	int2	Number assigned to store
last_update	timestamp	Date entry was last updated



Customer

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 customer_id	serial	Number assigned to customer
store_id	int2	Number assigned to store
first_name	varchar	First name of customer
last_name	varchar	Last name of customer
email	varchar	Email address of customer
 address_id	int2	Number assigned to customer's address
activebool	bool	Customer's active status
create_date	date	Date entry was created
last_update	timestamp	Date entry was last updated
active	int4	Customer's active status

Film category

COLUMN_NAME	TYPE_NAME	DESCRIPTION
  film_id	int2	Number assigned to film
  category_id	int2	Number assigned to genre/category
last_update	timestamp	Date entry was last updated



Staff

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 staff_id	serial	Number assigned to employee
first_name	varchar	First name of employee
last_name	varchar	Last name of employee
 address_id	int2	Number assigned to employee's address
email	varchar	Email address of employee
store_id	int2	Number assigned to store
active	bool	Employee active status
username	varchar	Username of employee
password	varchar	Password of employee
last_update	timestamp	E Date entry was last updated
picture	bytea	Picture of employee

Actor

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 actor_id	serial	Number assigned to actor
first_name	varchar	First name of actor
last_name	varchar	Last name of actor
last_update	timestamp	ate entry was last updated

Film

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 film_id	serial	Number assigned to film
title	varchar	Title of film
description	text	Description of film
release_year	year	Release year of film
 language_id	int2	Number assigned to film language
rental_duration	int2	Length of film rental
rental_rate	numeric	Price of film
length	int2	Length of film
replacement_cost	numeric	Cost of replace of film
rating	mpaa_rating	Film rating
last_update	timestamp	Date entry was last updated
special_features	_text	Special features included with film
fulltext	tsvector	Keywords associated with film



Country

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 country_id	serial	Number assigned to country
country	varchar	Name of country
last_update	timestamp	Date entry was last updated

Category

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 category_id	serial	Number assigned to language
name	varchar	Name of language
last_update	timestamp	Date entry was last updated



Adress

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 address_id	serial	Number assigned to address
address	varchar	Street address
address2	varchar	Supplementary street address
district	varchar	District
 city_id	int2	Number assigned to City
postal_code	varchar	Postal code
phone	varchar	Phone number
last_update	timestamp	Date entry was last updated

Language

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 Language_id	serial	Number assigned to language
name	varchar	language
last_update	timestamp	ate entry was last updated

City

COLUMN_NAME	TYPE_NAME	DESCRIPTION
 city_id	serial	Number assigned to city
city	varchar	Name of city
 country_id	int2	Number assigned to country
last_update	timestamp	Date entry was last updated