

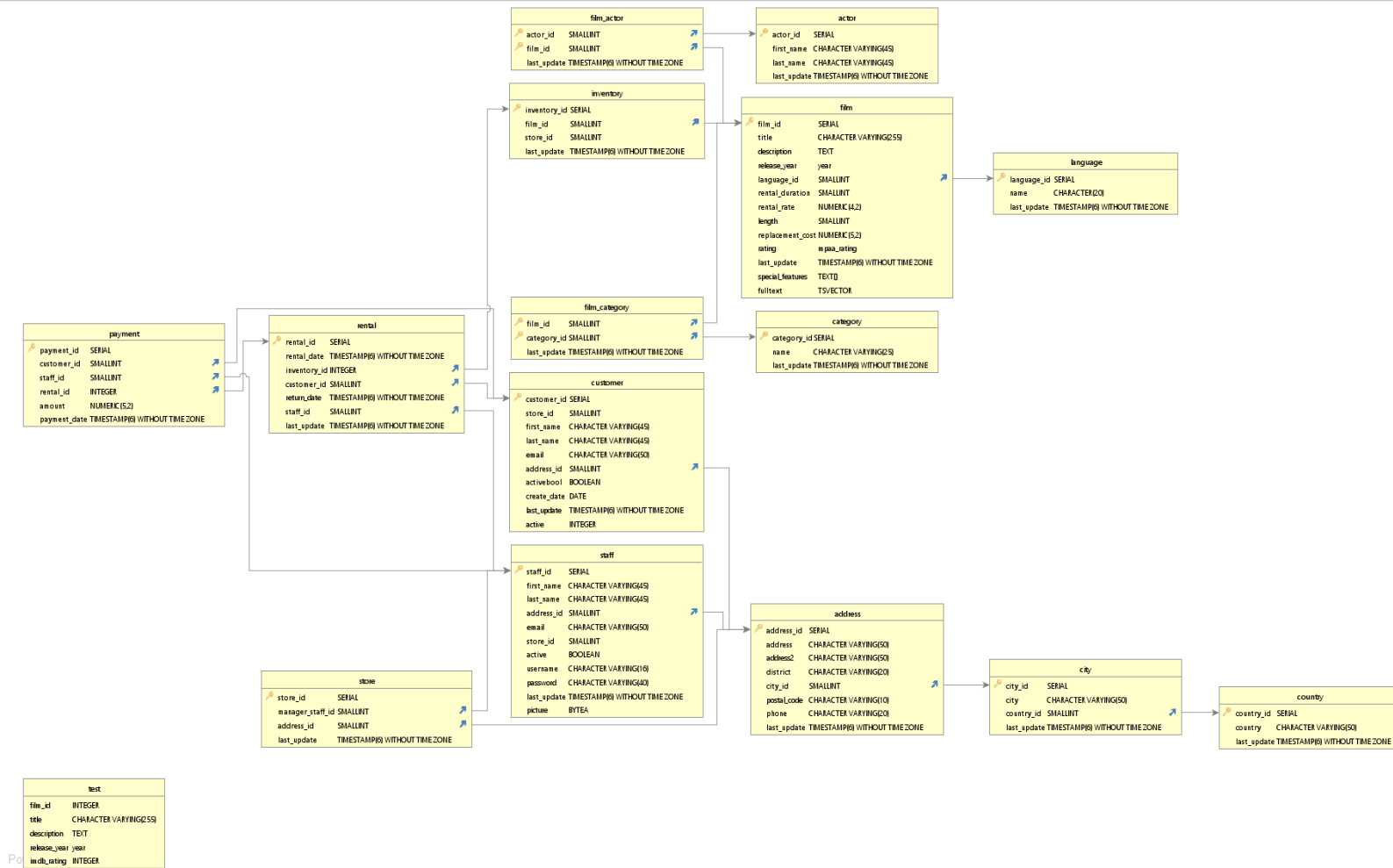


**DATA DICTIONARY**





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# ENTITY RELATIONSHIP DIAGRAM





## RENTAL

Column Name	Data Type	Description	Links From	Links To	Key
rental_id	Integer	Unique number assigned to rental	Payment		 Primary Key
rental_date	Timestamp without time zone	Date that rental took place			
inventory_id	Integer	Unique number assigned to item		Inventory	 Foreign Key
customer_id	Smallint	Unique number for customer		Customer	 Foreign Key
return_date	Timestamp without time zone	Day that item was returned to inventory			
staff_id	Smallint	Unique number assigned to staff responsible for transaction			
staff_id	Smallint	Unique number assigned to staff responsible for transaction		Staff	 Foreign Key
last_update	Timestamp without time zone	Last date the data entry was updated			


## ACTOR

Column Name	Data Type	Description	Links From	Links To	Key
actor_id	integer	Unique number assigned to actor	Film_Actor		 Primary Key
last_update	timestamp without time zone	Last date that the entry was updated			
first_name	varchar	Actor's first name			
last_name	varchar	Actor's last name			



## ADDRESS

Column Name	Data Type	Description	Links From	Links To	Key
last_update	timestamp without time zone	Last date that the entry was updated			
city_id	smallint	Unique number assigned to city		City	 Foreign Key
address_id	integer	Unique number assigned to address	Customer Staff Store		 Primary Key
district	varchar	State/Province/Region/District			
phone	varchar	Phone number for entry			
postal_code	varchar	Postal code for entry			
address	varchar	Address for entry			
address_2	varchar	Secondary address for entry (apartment number, lot, etc.)			

## CATEGORY


Column Name	Data Type	Description	Links From	Links To	Key
category_id	integer	Unique number assigned to category	Film_Category		 Primary Key
last_update	timestamp without time zone	Last date that the entry was updated			
name	varchar	Name of category			

## CITY



Column Name	Data Type	Description	Links From	Links To	Key
city_id	integer	Unique number assigned to city	Address		 Primary Key
country_id	smallint	Unique number assigned to country		Country	 Foreign Key
last_update	timestamp without time zone	Last date that the entry was updated			





## COUNTRY

Column Name	Data Type	Description	Links From	Links To	Key
country_id	integer	Unique number assigned to country	City		 Primary Key
last_update	timestamp without time zone	Last date that the entry was updated			
country	varchar	Country name			



## CUSTOMER

Column Name	Data Type	Description	Links From	Links To	Key
active	integer	Binary representation of whether membership is active or not			
store_id	smallint	Unique number assigned to store location			
create_date	date	Date that customer entry was created			
last_update	timestamp without time zone	Last date that the entry was updated			
customer_id	integer	Unique number assigned to customer	Payment Rental		 Primary Key
address_id	smallint	Unique number assigned to customer address			 Foreign Key
activebool	boolean	Boolean representation of whether membership is active or not			
first_name	varchar	Customer first name			
last_name	varchar	Customer last name			
email	varchar	Customer e-mail address			



## FILM

Column Name	Data Type	Description	Links From	Links To	Key
full_text	tsvector	Keywords assigned to film			
rating	USER-DEFINED	MPAA Film rating			
last_update	timestamp without time zone	Last date that entry was updated			
film_id	integer	Unique number assigned to film	Inventory Film_Actor Film_Category		 Primary Key
release_year	integer	Year that film was released			
language_id	smallint	Unique number assigned to language		Language	 Foreign Key
rental_duration	smallint	Number of days item was rented			
rental_rate	numeric	Price associated with rental			
length	smallint	Length of film runtime			
replacement_cost	numeric	Cost to replace item			
title	varchar	Title of film			
description	text	Plot description of title			
special_features	ARRAY	Special features available on title's disc			



## FILM\_\_ACTOR

Column Name	Data Type	Description	Links From	Links To	Key
actor_id	smallint	Unique number assigned to actor		Actor	 Primary Key
film_id	smallint	Unique number assigned to film		Film	 Foreign Key
last_update	timestamp without time zone	Last date that the entry was updated			


## FILM\_\_CATEGORY

Column Name	Data Type	Description	Links From	Links To	Key
film_id	smallint	Unique number assigned to film		Film	 Foreign Key
category_id	smallint	Unique number assigned to category		Category	 Foreign Key
last_update	timestamp without time zone	Last date that the entry was updated			





## INVENTORY

Column Name	Data Type	Description	Links From	Links To	Key
inventory_id	integer	Unique number assigned to inventory	Rental		 Primary Key
film_id	smallint	Unique number assigned to film		Film	 Foreign Key
store_id	smallint	Unique number assigned to store			
last_update	timestamp without time zone	Last date that the entry was updated			

## LANGUAGE



Column Name	Data Type	Description	Links From	Links To	Key
language_id	integer	Unique number assigned to language	Film		 Primary Key
last_update	timestamp without time zone	Last date that the entry was updated			
name	char	Full name of language			

## PAYMENT




Column Name	Data Type	Description	Links From	Links To	Key
payment_id	integer	Unique number assigned to transaction			 Primary Key
customer_id	smallint	Unique number assigned to customer account		Customer	 Foreign Key
staff_id	smallint	Unique number assigned to employee on transaction		Staff	 Foreign Key
rental_id	integer	Unique number assigned to rental		Rental	 Foreign Key
amount	numeric	Total amount of transaction			
payment_date	timestamp without time zone	Date that transaction was made			



## STAFF

Column Name	Data Type	Description	Links From	Links To	Key
picture	bytea	Photo data of individual employee			
address_id	smallint	Unique number assigned to staff address		Address	 Foreign Key
store_id	smallint	Unique number assigned to store			
active	boolean	True/False expression if employed			
last_update	timestamp without time zone	Last date that the entry was updated			
staff_id	integer	Unique number assigned to staff member	Payment Rental Store		 Primary Key
first_name	varchar	First name of staff member			
last_name	varchar	Last name of staff member			
password	varchar	Password of staff member			
email	varchar	E-mail address of staff member			
username	varchar	Username of staff member			

## STORE

Column Name	Data Type	Description	Links From	Links To	Key
store_id	integer	Unique number assigned to store			 Primary Key
manager_staff_id	smallint	Unique number assigned to manager		Staff	 Foreign Key
address_id	smallint	Unique number assigned to store address		Address	 Foreign Key
last_update	timestamp without time zone	Last date that the entry was updated			