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# DATA DICTIONARY

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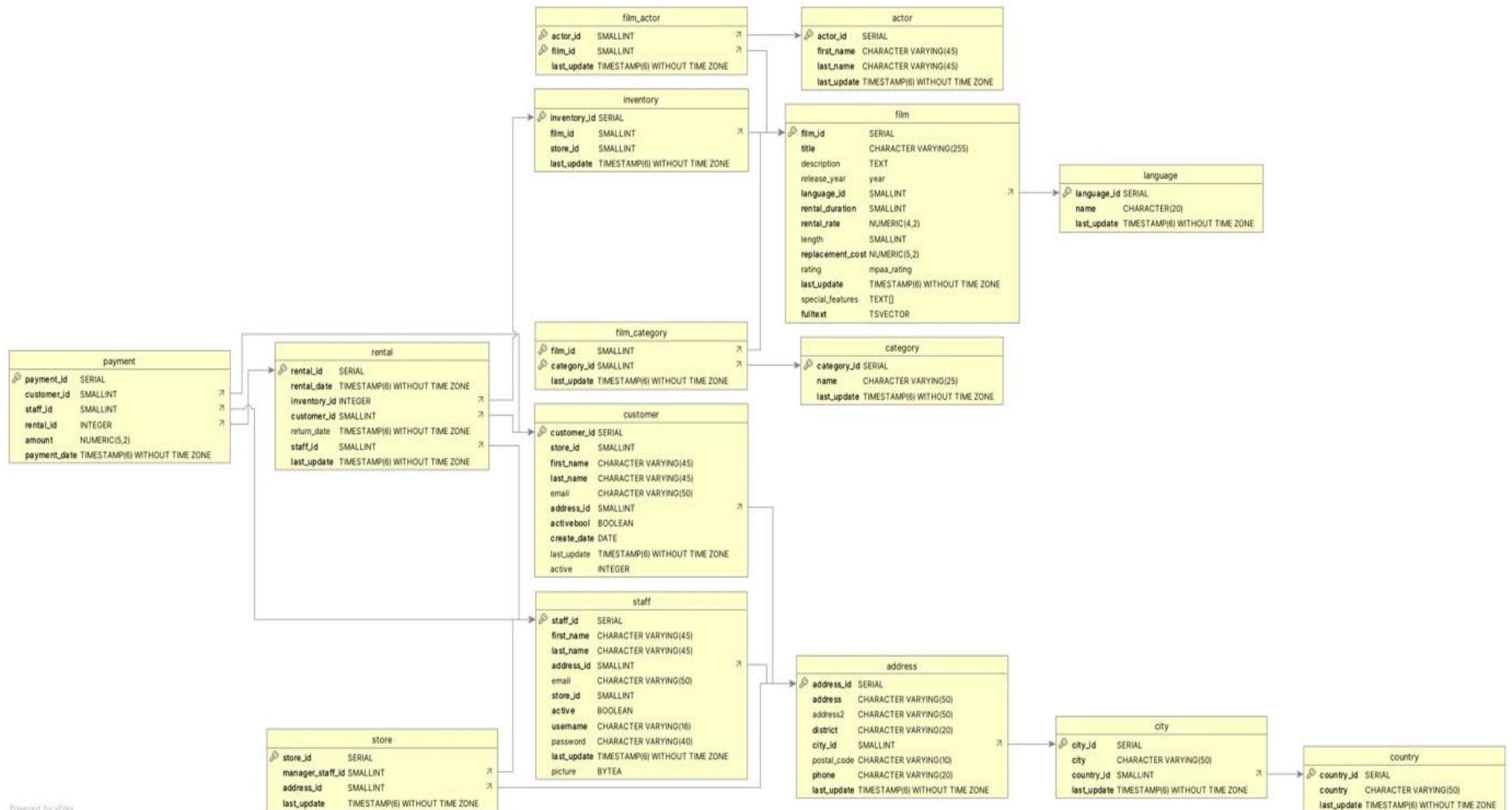
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## Table of Contents

<b>1</b>	<b>ERD Entity Relationship Diagram.....</b>	<b>2</b>
<b>2</b>	<b>Legend.....</b>	<b>3</b>
<b>3</b>	<b>Tables.....</b>	<b>3</b>
<b>3.1</b>	<b>Fact Tables .....</b>	<b>3</b>
3.1.1	Payment.....	3
3.1.2	Rental .....	4
3.1.3	Inventory.....	5
3.1.4	Film category.....	6
3.1.5	Film actor.....	6
<b>3.2</b>	<b>DIMENSION TABLES .....</b>	<b>7</b>
3.2.1	Actor .....	7
3.2.2	Film.....	8
3.2.3	Language .....	9
3.2.4	Category .....	9
3.2.5	Customer.....	10
3.2.6	Staff .....	11
3.2.7	Store .....	12
3.2.8	Address.....	12
3.2.9	City .....	13
3.2.10	Country.....	14

# 1 ERD (Entity Relationship Diagram)



## 2 Legend





	<b>Primary key</b>	A primary key is a unique identifier for each record in a database table, ensuring that no two records can have the same value in this column or set of columns.
	<b>Foreign key</b>	A foreign key is a column or set of columns in a database table that establishes a link between data in two tables, enforcing referential integrity by referencing the primary key of another table.

## 3 Tables


### 3.1 Fact Tables




#### 3.1.1 Payment

payment			
Columns	Key	Data Type	Description



payment_id		SERIAL	The column stores the id of the payment
customer_id		SMALLINT	The column stores the id of the customer
staff_id		SMALLINT	The column stores the id of the staff
rental_id		INTEGER	The column stores the id of the rental invoice
amount		NUMERICS (5,2)	The column stores the information of the amount of payment with decimal point
payment_date		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores information when the payment must be done. Just the date, no time zone
Links to			
Rental			
Customer			
Staff			
Links from			
-			

### 3.1.2 Rental

rental			
Columns	Key	Data Type	Description
rental_id		SERIAL	The column stores the rental ID of the movies
rental_date		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores information when the film was rented





inventory_id		INTEGER	The column stores the id of the inventory
customer_id		SMALLINT	The column stores the id of the customer
return_date		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores date when a film was returned
staff_id		SMALLINT	The column stores the id of the staff
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
Inventory			
Customer			
Staff			
Links from			
Payment			

### 3.1.3 Inventory





inventory			
Columns	Key	Data Type	Description
inventory_id		SERIAL	The column stores the id of the inventory
film_id		SMALLINT	The column stores the film id of the movies
store_id		SERIAL	The column stores the id of the store
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			

<b>Film</b>
<b>Links from</b>
<b>Rental</b>

### 3.1.4 Film category

film_category			
Columns	Key	Data Type	Description
film_id	 	SMALLINT	The column stores the film id
category_id	 	SMALLINT	The column stores the category id of the movies
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
<b>Links to</b>			
<b>Film Category</b>			
<b>Links from</b>			
-			


### 3.1.5 Film actor

film_actor			
Columns	Key	Data Type	Description
actor_id	 	SMALLINT	The column stores the id of the actors
film_id	 	SMALLINT	The column stores the film id

last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
Film Actor			
Links from			
-			



## 3.2 DIMENSION TABLES

### 3.2.1 Actor

actor			
Columns	Key	Data Type	Description
actor_id		SERIAL	The column stores the id of the actors
first_name		CHARACTER VARYING(45)	The column stores the first name of the actor (max. 45 char.)
last_name		CHARACTER VARYING(45)	The column stores the last name of the actor (max. 45 char.)
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
-			
Links from			
Film Actor			




### 3.2.2 Film


film			
Columns	Key	Data Type	Description
film_id		SERIAL	The column stores the film id
title		CHARACTER VARYING(225)	The column stores the title of the film (max. 225 char.)
description		TEXT	The column stores a description of the film with a variable-length character string
release_year		Year	The column stores the year when the film was released
Language_id		SMALLINT	The column stores the language id of the film
rental_duration		SMALLINT	The column stores the rental duration of the film. How long was is rented for?
rental_rate		NUMERIC (2,4)	The column stores information of the rental rate. How often a film was rented for?
length		SMALLINT	The column stores information of length of the movie.
replacement_cost		NUMERIC (5,4)	The column stores information of the costs if the film is damaged or broken after a rental
rating		Mpaa_rating	The column stores the film ratings (e.g. G, PG, PG-13 R, NC-17)
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
special_features		TEXT()	The column stores information about any special feature of the film (e.g. trailers, comments, deleted scenes)
fulltext		TSVECTOR	The column stores prompt about the movie

Links to	
Inventory Film Actor	
Links from	
Language	

### 3.2.3 Language



language			
Columns	Key	Data Type	Description
language_id		SMALLINT	The column stores the language id of the film
name		CHARACTER VARYING(20)	The column stores the languages of the film (max. 45 char.)
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation

### 3.2.4 Category

category			
Columns	Key	Data Type	Description
category_id		SMALLINT	The column stores the category ID of the movies
name		CHARACTER VARYING(25)	The column stores the category of the film (e.g. action) (max. 45 char.)



last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
-			
Links from			
Film Category			

### 3.2.5 Customer

customer			
Columns	Key	Data Type	Description
customer_id		SERIAL	The column stores the id of the customer
store_id		SMALLINT	The column stores the id of the store
first_name		CHARACTER VARYING(45)	The column stores the first name of the customer (max. 45 char.)
last_name		CHARACTER VARYING(45)	The column stores the last name of the customer (max. 45 char.)
email		CHARACTER VARYING(50)	The column stores the last email address of the customer (max. 50 char.)
address_id		SMALLINT	The column stores the address id of the customer
activebool		BOOLEAN	The column stores true or false values
create_date		Date	The column stores the date when the dataset of the customer was created
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
active		INTEGER	The column stores the numbers for activity
Links to			




<b>Address</b>
<b>Links from</b>
<b>Payment</b>
<b>Rental</b>

### 3.2.6 Staff


<b>staff</b>			
<b>Columns</b>	<b>Key</b>	<b>Data Type</b>	<b>Description</b>
staff_id		SERIAL	The column stores the id of the staff
first_name		CHARACTER VARYING(45)	The column stores the first name of the staff (max. 45 char.)
last_name		CHARACTER VARYING(45)	The column stores the last name of the staff (max. 45 char.)
address_id		SMALLINT	The column stores the address id of the staff
email		CHARACTER VARYING(50)	The column stores the last email address of the staff (max. 50 char.)
store_id		SMALLINT	The column stores the id of the store
username		CHARACTER VARYING(16)	The column stores the last username used by the staff (max. 16 char.)
password		CHARACTER VARYING(16)	The column stores the last password selected by the staff (max. 40 char.)
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
picture		BYTEA	The column stores a picture of staff
<b>Links to</b>			
<b>Address</b>			


Links from
Payment Rental

### 3.2.7 Store


store			
Columns	Key	Data Type	Description
store_id		SERIAL	The column stores the id of the store
manager_staff_id		SMALLINT	The column stores the id of manger of the staff
address_id		SMALLINT	The column stores the address id of the store
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
Address Staff			
Links from			
-			


### 3.2.8 Address

address			
Columns	Key	Data Type	Description
address_id		SERIAL	The column stores the address id of the staff


address		CHARACTER VAYING(50)	The column stores the first address of the staff (max. 50 char.)
address 2		CHARACTER VAYING(50)	The column stores additional information about address (max. 50 char.)
district		CHARACTER VAYING(20)	The column stores the district where the staff lives
city_id		SMALLINT	The column stores the id of the city
postal_code		CHARACTER VAYING(10)	The column stores the postal code of the city (max. 10 char.)
phone		CHARACTER VAYING(20)	The column stores the last phone number of the staff (max. 20 char.)
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
City			
Links from			
Customer			
Staff			
Store			

### 3.2.9 City

city			
Columns	Key	Data Type	Description
city_id		SERIAL	The column stores the id of the city
city		CHARACTER VAYING(50)	The column stores the name of city (max. 50 char.)

country_id		SMALLINT	The column stores the id of the country where the city is located
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
Address			
Links from			
Country			

### 3.2.10 Country

country			
Columns	Key	Data Type	Description
country_id		SERIAL	The column stores the id of the country
country		CHARACTER VARYING(50)	The column stores the name of country (max. 50 char.)
last_update		TIMESTAMP (6) WITHOUT TIME ZONE	The column stores the time of the last data manipulation
Links to			
-			
Links from			
City			