

# Data dictionary

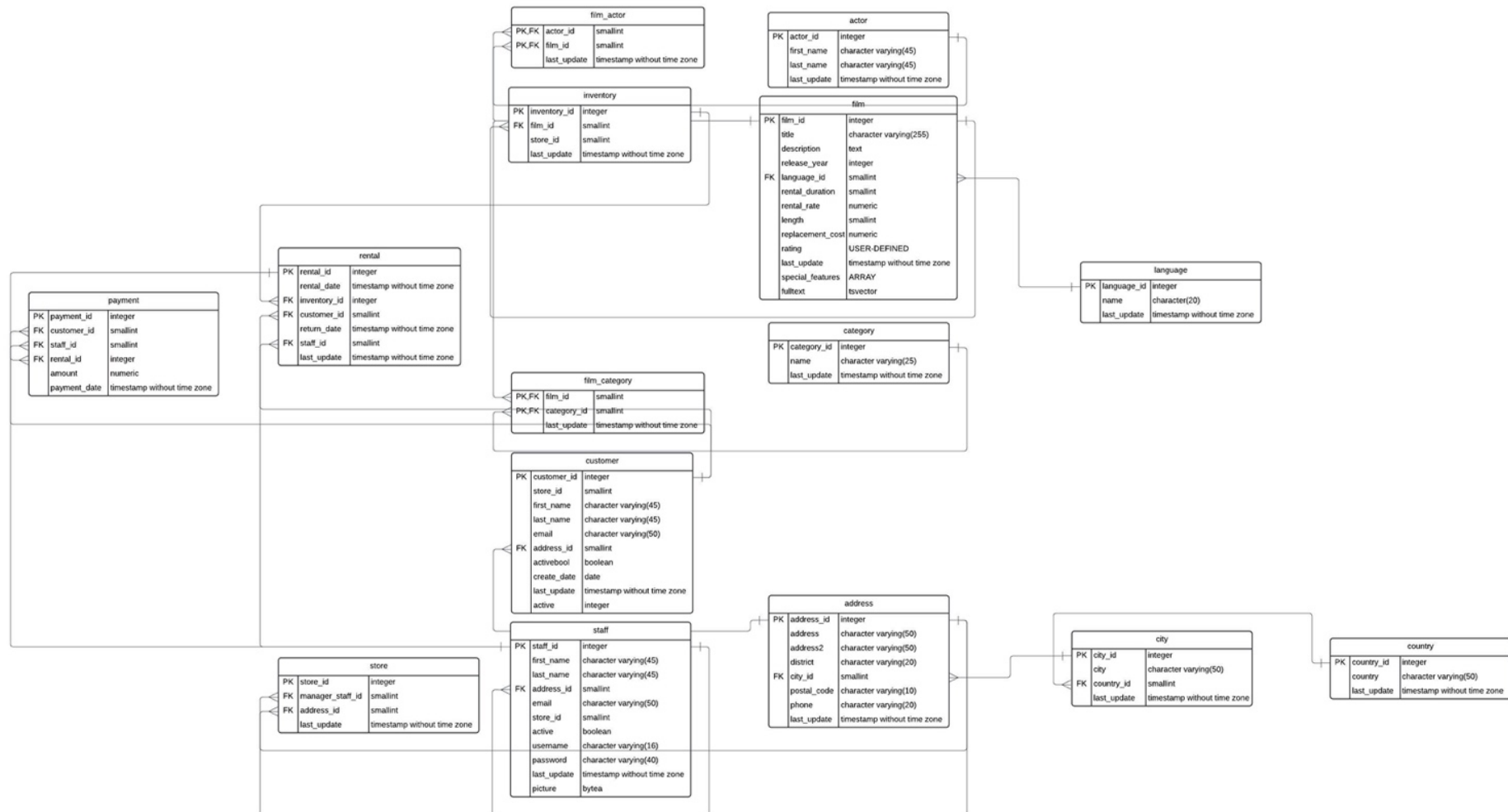
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## TABLE OF CONTE

<b>ERD (ENTITY RELATIONSHIP DIAGRAM)</b> .....	<b>2</b>
<b>DATA DICTIONARY</b> .....	<b>3</b>
<b>FACT TABLES</b> .....	<b>3</b>
<b>RENTAL</b> .....	<b>3</b>
<b>PAYMENT</b> .....	<b>4</b>
<b>DIMENSION TABLES</b> .....	<b>4</b>
<b>STORE</b> .....	<b>4</b>
<b>FILM ACTOR</b> .....	<b>5</b>
<b>INVENTORY</b> .....	<b>5</b>
<b>FILM CATEGORY</b> .....	<b>6</b>
<b>CUSTOMER</b> .....	<b>6</b>
<b>STAFF</b> .....	<b>7</b>
<b>ACTOR</b> .....	<b>8</b>
<b>FILM</b> .....	<b>8</b>
<b>LANGUAGE</b> .....	<b>9</b>
<b>CATEGORY</b> .....	<b>10</b>
<b>ADDRESS</b> .....	<b>10</b>
<b>COUNTRY</b> .....	<b>11</b>
<b>CITY</b> .....	<b>11</b>

## ERD (Entity Relationship Diagram)



## DATA DICTIONARY

### FACT TABLES

#### RENTAL

Columns	Data type	Description
rental_id	integer	Primary key
rental_date	timestamp without time zone	Recorded data from each rent
inventory_id	integer	Foreign key to inventory table
customer_id	smallint	Foreign key to customer table
return_date	timestamp without time zone	Recorded data from each return of rent
staff_id	smallint	Foreign key to staff table
last_update	timestamp without time zone	Date of when the record was last updated

## PAYMENT

Columns	Data type	Description
payment_id	integer	Primary key
customer_id	smallint	Foreign key to customer table
staff_id	smallint	Foreign key to staff table
rental_id	integer	Foreign key to rental table
amount	numeric	Amount recorded of each payment transaction
payment_date	timestamp without time zone	Date when the payment was made

## DIMENSION TABLES

### STORE

Columns	Data type	Description
store_id	integer	Primary key
manager_staff_id	smallint	Foreign key to staff table
address_id	smallint	Foreign key to address table
last_update	timestamp without time zone	Date of when the record was last updated

## FILM ACTOR

Columns	Data type	Description
actor_id	smallint	Composite primary key to identify single actor, also acts as foreign key to actor table
film_id	smallint	Composite primary key to identify single film, also acts as foreign ke to link to the film table
last_update	timestamp without time zone	Date of when the record was last updated

## INVENTORY

Columns	Data type	Description
inventory_id	integer	Primary key
film_id	smallint	Foreign key to film table
store_id	smallint	id of the store where the copy of the movie is located
last_update	timestamp without time zone	Date of when the record was last updated

## FILM CATEGORY

Columns	Data type	Description
film_id	smallint	Combined primary key to identify each film, also foreign link to film table
category_id	smallint	Combined primary key to identify single category, also acts as foreign key to category table
last_update	timestamp without time zone	Date of when the record was last updated

## CUSTOMER

Columns	Data type	Description
customer_id	integer	Primary key
store_id	smallint	Id of the store the client record is linked to
first_name	character varying(45)	Customer first name
last_name	character varying(45)	Customer last name
email	character varying(50)	Customer email
address_id	smallint	Foreign key to address table
active_bool	boolean	Whether customer is active or not
create_date	date	First record of the client in the database
last_update	timestamp without time zone	was
active	integer	Whether customer is active or not

## STAFF

Columns	Data type	Description
staff_id	integer	Primary key
first_name	character varying(45)	Staff members first name
last_name	character varying(45)	Staff members last name
address_id	smallint	Foreign key to adress table
email	character varying(50)	Staff email
store_id	smallint	Id of the store staff record is reffering to
active	boolean	Whether sttaff is active or not
username	character varying(16)	Staff username
password	character varying(40)	Staff password
last_update	timestamp without time zone	Staff password
picture	bytea	Picture of staff member



## ACTOR

Columns	Data type	Description
actor_id	integer	Primary key
first_name	character varying(45)	Actor first name
last_name	character varying(45)	Actor last name
last_update	timestamp without time zone	Date of when the record was last updated

## FILM

Columns	Data type	Description
film_id	integer	Primary key
title	character varying(255)	Film title
description	text	Film description
release_year	integer	Release year of the film
language_id	smallint	Foreign key to language table
rental_duration	smallint	Duaration of the rental

rental_rate	numeric	Rate of the rental
length	smallint	Duration of the film
replacement_cost	numeric	Cost associated with film replacement
rating	USER-DEFINED	Rating of the film
last_update	timestamp without time zone	Date of when the record was last updated
special_features	ARRAY	Extra videos related to the film available for audience
fulltext	tsvector	Text-searchable data where we can use a word as an index

## LANGUAGE

Columns	Data type	Description
language_id	integer	Primary key
name	character(20)	The name of the language in the film
last_update	timestamp without time zone	Date of when the record was last updated

## CATEGORY

Columns	Data type	Description
category_id	integer	Primary key
name	character varying(25)	category name
last_update	timestamp without time zone	Date of when the record was last updated

## ADDRESS

Columns	Data type	Description
address_id	integer	Primary key
address	character varying(50)	Any address in this database - line1 (street number and street name)
address2	character varying(50)	Any address in this database - line2, it can be used as a secondary address designator such as apartment number or building name
district	character varying(20)	Any address in this database - district / state / region name

## COUNTRY

Columns	Data type	Description
country_id	integer	Primary key
country	character varying(50)	Country name in the address in this database
last_update	timestamp without time zone	Date of when the record was last updated

## CITY

Columns	Data type	Description
city_id	integer	Primary key
city	character varying(50)	City name in the address in this database
Country_id	smalint	Foreign key to country table
last_update	timestamp without time zone	Date of when the record was last updated