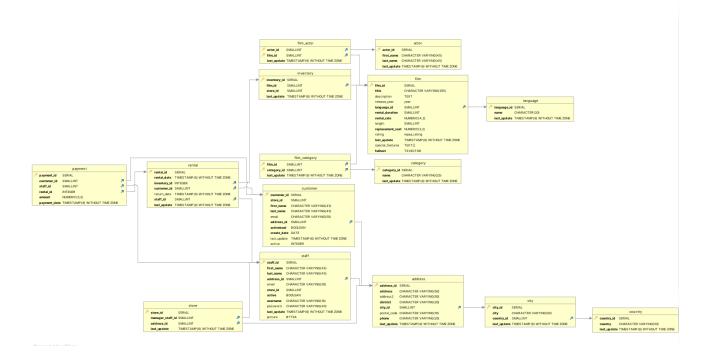


### Contents

ENT	TITY RELATIONASHIP DIAGRAM ( ERD)	2
FAC	CT TABLES	2
	Rental	2
	Payment	2
	Customer	3
	Staff	3
	City	3
	Film category	4
	Category	4
	Inventory	4
	Film	4
	Film actor	4
	Actor	5
Ir	ndex	5

# ENTITY RELATIONASHIP DIAGRAM (ERD)



# **FACT TABLES**

#### Rental

Column	Data type	Description	Links	Key
Rental ID	serial	Unique identifier for each rental transaction	← payment	PK
rental date	Timestamp(6)without timezone	Data of rental occurred		
Inventory ID	Integer	Unique identifier for inventory	→ inventory	FK
Customer_id	Smallint	Unique identifier of customer	customer	FK
Return_date	Timestamp(6)without timezone	Date of item be returned		
Staff_id	Smallint	Unique identifier for Staff	→ staff	FK
Last update	Timestamp(6)without timezone	Date and time of record last updated		

# Payment

Column	Data type	Description	Links	Key
Payment_id	serial	Unique identifier of a payment		PK
Customer_id	Smallint	Unique identifier of a customer	-> customer	FK
Staff_id	Smallint	Unique identifier of a staff member	→ staff	FK
Rental_id	Integer	Unique identifier of a rental	→ rental	FK
Amount	Numeric(5,2)	Price of the rental		
Payment_date	Timestamp(6)without timezone	Date of the payment		

#### Customer

Column	Data type	Description	Links	Key
Customer_id	serial	Unique identifier of a customer	← payment ,rental	PK
Store_id	Smallint	Unique identifier of a store		
first_name	character varying(45)	First name of the customer		
last_name	character varying(45)	Last name of the customer		
Email	character varying(50)	Email of the customer		
address_id	smallint	Address of the customer	→ address	FK
activebool	boolean	Active or not		
create_date	date	Date of being created		
last_update	timestamp without time zone	Date and time of record last updated		
active	integer	Active or not		

### Staff

Column	Data type	Description	Links	Key
staff_id	serial	Unique identifier of a staff	← payment ,rental,store	PK
first_name	character varying(45)	First name of the customer		
last_name	character varying(45)	Last name of the customer		
address_id	Smallint	Address of the customer	→ address	FK
Email	character varying(50)	Email of the customer		
Store_id	Smallint	Unique identifier of a store		
active	boolean	Active or not		
username	character varying(16)	User_name of the staff		
password	character varying(40)	Password of the staff		
last_update	timestamp without time zone	Date and time of record last updated		
picture	bytea	Photo of the staff		

#### Store

Column	Data type	Description	Links	Key
store_id	serial	Unique identifier of a store	- inventory, staff	PK
manager_staff_id	Smallint	Unique identifier of the store manager	→ staff	FK
address_id	Smallint	store address		
last_update	timestamp without time zone	Date and time of record last updated		

#### Address

Column	Data type	Description	Links	Key
address_id	serial	Unique identifier of an address	customer ,staff,store	PK
address	character varying(50)	Address details		
address2	character varying(50)	Extra address details		
district	character varying(20)	District´s name		
city_id	Smallint	Unique identifier for the city	→ city	FK
postal_code	character varying(10)	Postal code details		
phone	character varying(20)	Phone number details		
last_update	timestamp without time zone	Date and time of record last updated		

# City

Column	Data type	Description	Links	Key
city_id	serial	Unique identifier for the city	← address	PK
city	character varying(50)	city details		
country_id	smallint	Unique identifier for the country		
last_update	timestamp without time zone	Date and time of record last updated		

# Country

Column Da	ata type	Description	Links	Key
country_id ser	erial	Unique identifier of a country	← city	PK
country ch	naracter varying(50)	Name of the country		
last_update tim	nestamp without time zone	Date and time of record last updated		

### Film category

Column	Data type	Description	Links	Key
film_id	smallint	Unique identifier of a film	→ film	PK,FK
category_id	smallint	Unique identifier of a category	→ category	PK, FK
last update	timestamp without time zone	Date and time of record last updated		

### Category

Column	Data type	Description	Links	Key
category_id	serial	Unique identifier of a category	← film category	PK
name	character varying(25)	Name of the category		
last_update	timestamp without time zone	Date and time of record last updated		

# Inventory

Column	Data type	Description	Links	Key
inventory_id	serial	Unique identifier of an inventory	← rental	PK
film_id	smallint	Unique identifier of a film	→ film,store	FK
store_id	smallint	Unique identifier of a store		
last update	timestamp without time zone	Date and time of record last updated		

### Film

Column	Data type	Description	Links	Key
film_id	serial	Unique identifier of a film	film category,film actor,inventory	PK
title	character varying(255)	Movie title		
description	text	Movie description		
release_year	integer	Year that the movie came out		
language_id	smallint	Unique identifier of the language	→ language	FK
rental_duration	smallint	How long the movie has been rented		
rental_rate	numeric	Data of rental occurred		
length	smallint	movie duration		
replacement_cost	numeric	Costs to replace the rental movie		
rating	mpaa-rating	Which age groups can watch the movie		
last_update	timestamp without time zone	Date and time of record last updated		
special_features	text	Special features of the movie		
fulltext	tsvector	Text of the movie		

#### Language

Column	Data type	Description	Links	Key
language_id	serial	Unique identifier of the language	<b>←</b> film	PK
name	Character (20)	Name of the language		
last_update	timestamp without time zone	Date and time of record last updated		

#### Film actor

Column	Data type	Description	Links	Key
actor_id	smallint	Unique identifier of the actor	>actor	PK,FK
film_id	smallint	Unique identifier of the film	<b>→</b> film	PK,FK
last undate	timestamp without time zone	Date and time of record last updated		

#### Actor

Column	Data type	Description	Links	Key
actor_id	serial	Unique identifier of the actor	← film actor	PK
first_name	character varying(45)	First name of the actor		
last_name	character varying(45)	Last name of the actor		
last_update	timestamp without time zone	Date and time of record last updated		

### Index

Index		
PK Primary Ke		
FK	Foreign Key	
<b>→</b>	links to	
←	links from	