

# Data Dictionary

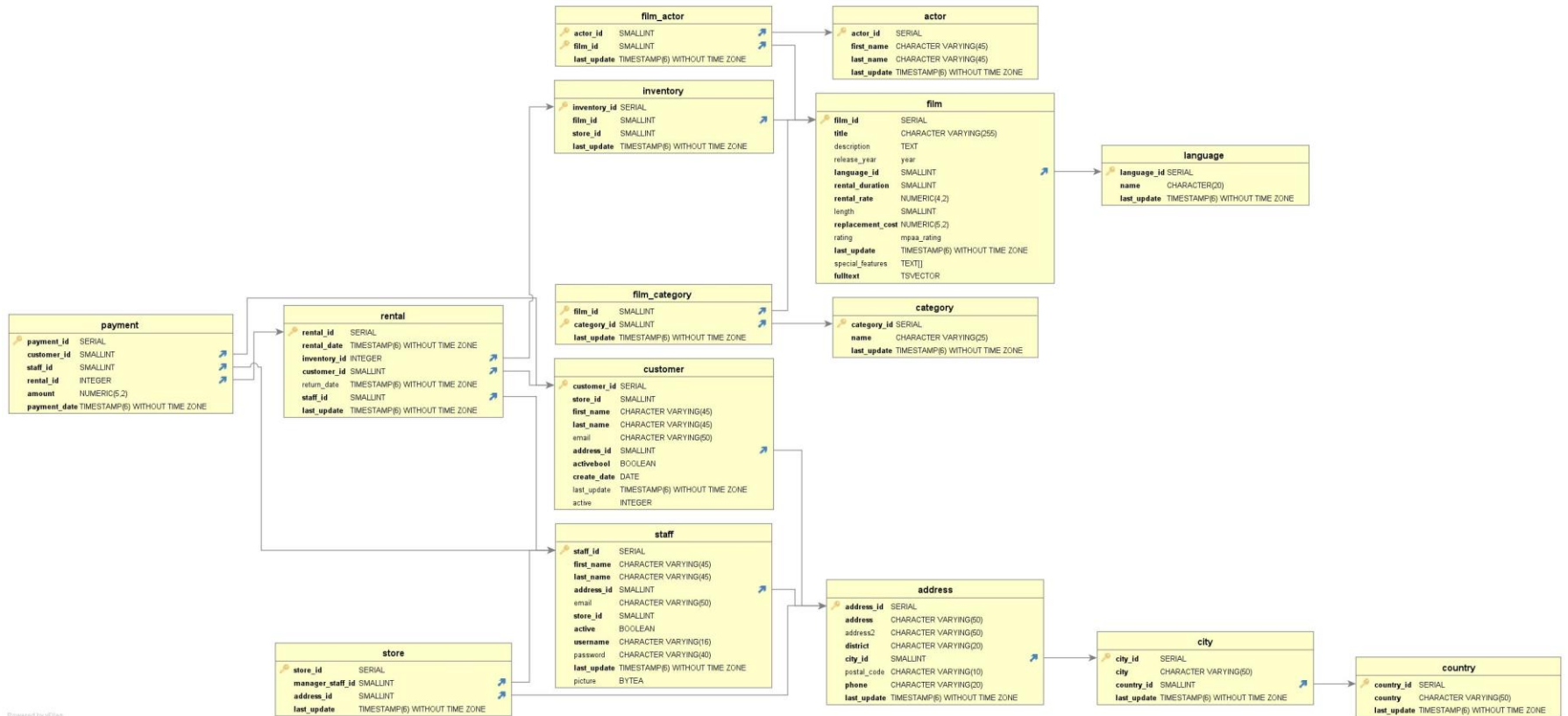
ROCKBUSTER DATABASE

CAROLINA PACHON BUITRAGO

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# ERD




## Fact Table

### Payment


	COLUMN NAME	DATA TYPE	DESCRIPTION
	Payment_id	SERIAL	Primary Key for the fact table. Unique identifier for the payment table
FK	Customer_id	SMALLINT	Foreign key to customer table. Unique identifier for customer table.
FK	Staff_id	SMALLINT	Foreign key to staff table. Unique identifier for staff table.
FK	Rental_id	INTEGER	Foreign key to rental table. Unique identifier for rental table.
	Amount	NUMERIC (5,2)	Amount of money by which the transaction was made.
	Payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date when the transaction was made

## Dimension tables


### Rental Table

	COLUMN NAME	DATA TYPE	DESCRIPTION
	rental_id	SERIAL	Primary Key for the rental table. Unique identifier for the rental of each movie
	Rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date when a particular movie was rented
FK	Inventory_id	INTEGER	Foreign key to inventory table. Unique identifier for inventory item.
FK	customer_id	INTEGER	Foreign key to customer table. Unique identifier for each customer.
FK	Staff_id	NUMERIC (5,2)	Foreign key to staff table. Unique identifier for each staff worker.
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated



### Film\_actor

	COLUMN NAME	DATA TYPE	DESCRIPTION
	actor_id	SMALL INT	Foreign Key for the actor table. Unique identifier for each actor.
FK	Film_id	SMALL INT	Foreign Key for the film table. Unique identifier for each movie.
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated


### Inventory

	COLUMN NAME	DATA TYPE	DESCRIPTION
	inventory_id	SERIAL	Primary key to inventory table. Unique identifier for inventory item.
FK	Film_id	SMALL INT	Foreign Key for the film table. Unique identifier for each movie.
FK	store_id	SMALL INT	Foreign Key for the store table. Unique identifier for each store.
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated


### Film Category

	COLUMN NAME	DATA TYPE	DESCRIPTION
	Film_id	SMALL INT	Foreign Key for the film table. Unique identifier for each movie.
	category_id	SMALL INT	Foreign Key for the category table. Unique identifier for each of the categories in movies
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated


## Customer

	COLUMN NAME	DATA TYPE	DESCRIPTION
	Customer_id	SERIAL	Primary key to customer table. Unique identifier for each customer.
FK	store_id	SMALL INT	Foreign Key for the store table. Unique identifier for each store.
	First_name	CHARACTER VARYING (65)	First name of a customer
	last_name	CHARACTER VARYING (65)	Last name of a customer
	email	CHARACTER VARYING (50)	email of a customer
FK	Address_id	SMALL INT	Foreign Key for the address table. Unique identifier for the address of each store where the customer is renting.
	Activebool	BOOLEAN	True or False
	Create_date	Date	Date when the record for this customer was created
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated
	Active	INTEGER	1=active customer 0=inactive customer


## Staff

	COLUMN NAME	DATA TYPE	DESCRIPTION
	Staff_id	SERIAL	Primary key to staff table. Unique identifier for each staff worker.
	First_name	CHARACTER VARYING (65)	First name of the staff member
	last_name	CHARACTER VARYING (65)	Last name of the staff member
FK	address_id	SMALL INT	Foreign Key for the address table. Unique identifier for the address of each store where the member staff is located.
	email	CHARACTER VARYING (50)	email of a customer
FK	store_id	SMALL INT	Foreign Key for the store table. Unique identifier for each store.
	Activebool	BOOLEAN	True or False
	Username	CHARACTER VARYING (16)	Username of the staff member
	password	CHARACTER VARYING (40)	Password related to the username
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated


## Store

	COLUMN NAME	DATA TYPE	DESCRIPTION
	store_id	SERIAL	Primary Key for the store table. Unique identifier for each store.
	Manager_staff_id	SMALL INT	Unique identifier the manager of each store
FK	address_id	SMALL INT	Foreign Key for the address table. Unique identifier for the address of each store.
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated


## Actor

	COLUMN NAME	DATA TYPE	DESCRIPTION
	actor_id	SERIAL	Primary Key for the actor table. Unique identifier for each actor.
	First_name	CHARACTER VARYING (45)	First name of the actor
	last_name	CHARACTER VARYING (45)	Last name of the actor
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated


## Film

	COLUMN NAME	DATA TYPE	DESCRIPTION
	Film_id	SERIAL	Primary Key for the film table. Unique identifier for each movie.
	Title	CHARACTER VARYING (255)	Title of the movie
	Description	TEXT	Description of what the movie is about
	Release_year	Year	Year when the movie was released
FK	Language_id	SMALLINT	Foreign Key for the language table. Unique identifier for each language.
	rental_duration	SMALLINT	Duration of time for a rental of a movie
	Rental_rate	NUMERIC (4,2)	Price for renting certain movie
	length	SMALLINT	Duration in time of a film
	Replacement_cost	NUMERIC (5,2)	Cost of the film in case is not returned or gets lost
	Rating	Mpaa_rating	Scale of rating according to the audience of the film
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated
	Special_features	TEXT[]	Extra material as "Deleted Scenes" or trailers
	Fulltext	TSVECTOR	Other information


## Category

	COLUMN NAME	DATA TYPE	DESCRIPTION
	category_id	SMALL INT	Primary Key for the category table. Unique identifier for each of the categories in movies
	name	CHARACTER VARYING (45)	Name of the category
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated

## Address


	COLUMN NAME	DATA TYPE	DESCRIPTION
	Address_id	SMALL INT	Primary Key for the address table. Unique identifier for the address of store.
	Address	CHARACTER VARYING (50)	Address of the store
	Address2	CHARACTER VARYING (50)	Another address
	District	CHARACTER VARYING (20)	District where the address is located
FK	City_id	SMALLINT	Foreign Key for the city table. Code of the city where the address is located
	Postal_code	CHARACTER VARYING (10)	Postal code of the address
	Phone	CHARACTER VARYING (10)	Phone corresponding to that particular address
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated

## Language


	COLUMN NAME	DATA TYPE	DESCRIPTION
	Language_id	SERIAL	Primary Key for the language table. Unique identifier for each language.
	name	CHARACTER (20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated



## City

	COLUMN NAME	DATA TYPE	DESCRIPTION
	City_id	SERIAL	Foreign Key for the city table. Code of the city where the address is located
	City	CHARACTER VARYING (50)	Name of the city
FK	Country_id	SMALLINT	Foreign Key for the country table. Code of the country where the address is located
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated

## Country

	COLUMN NAME	DATA TYPE	DESCRIPTION
	Country_id	SERIAL	Primary Key for the country table. Code of the country where the address is located
	Country	CHARACTER VARYING (50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when this table was last updated

## VIZ in Tableau

<https://public.tableau.com/app/profile/carolina.pachon/viz/RockbusterAnalysis/Story1>