Rockbuster
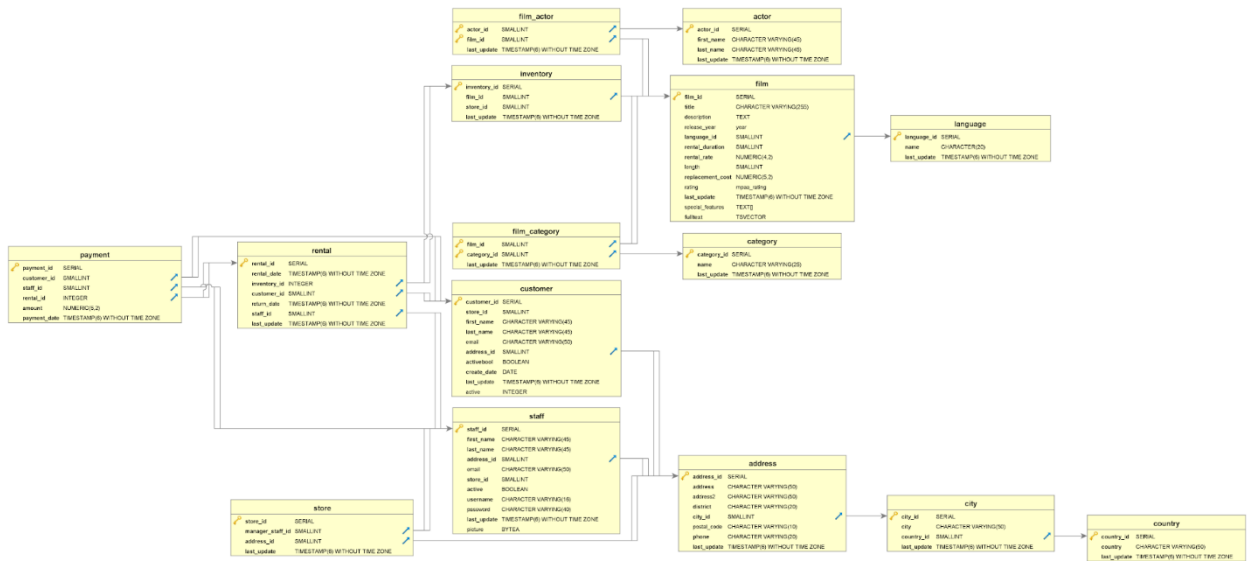
Data Dictionary

Table of content:

Legend

🔑 – primary key

🔑 - foreign key

Visualization:
https://public.tableau.com/profile/kira.kuznetsov#!/vizhome/country_customer_payment/Story1?publish=yes

1. ERD

2. Fact Tables:
a. payment

	column name	data type	links to tables	description
🔑	payment_id	Integer		Identifies the ID of the payment
🔑	customer_id	Integer	rental, customer	Identifies the ID of the customer
🔑	staff_id	Integer	rental, staff	Identifies the ID of the members of staff
🔑	rental_id	Integer	rental	Identifies the ID of the rental information
	amount	Numeric(5,2)		Price of rental, dollar and cents
	payment_date	Timestamp		Date and time of the rental payment

b. rental

	column name	data type	links to tables	description
🔑	rental_id	Integer	payment	Identifies the ID of the rental information
	rental_date	Timestamp		Date and time of the rental
🔑	inventory_id	Integer	inventory	Identifies the ID of the inventory
🔑	customer_id	Integer	payment, customer	Identifies the ID of the customer
	return_date	Timestamp		Date and time of the rental return
🔑	staff_id	Integer	staff, payment	Identifies the ID of the members of staff
	last_update	Timestamp		Date and time of the last update

c. store

	column name	data type	links to tables	description
🔑	store_id	Integer	customer, staff, inventory	Identifies the ID of the store
	manager_staff_id	Integer		Identifies the ID of the manager
🔑	address_id	Integer	customer, staff, address	Identifies the ID of the address
	last_update	Timestamp		Date and time of the last update

d. film_actor

	column name	data type	links to tables	description
🔑	actor_id	Integer	actor	Identifies the ID of the actor
🔑	film_id	Integer	inventory, film_category, film	Identifies the ID of the film
	last_update	Timestamp		Date and time of the last update

e. inventory

	column name	data type	links to tables	description
🔑	inventory_id	Integer	rental	Identifies the ID of the intentory
🔑	film_id	Integer	film_actor, film_category, film	Identifies the ID of the film
🔑	store_id	Integer	store, customer, staff	Identifies the ID of the store
	last_update	Timestamp		Date and time of the last update

f. film_category

	column name	data type	links to tables	description
🔑	film_id	Integer	inventory, film_actor, film	Identifies the ID of the film
🔑	category_id	Integer	category	Identifies the ID of the category
	last_update	Timestamp		Date and time of the last update

3. Dimension Tables:
a. customer

	column name	data type	links to tables	description
🔑	customer_id	Integer	payment, rental	Identifies the ID of the customer
🔑	store_id	Integer	store, inventory, staff	Identifies the ID of the store
	first_name	Character		Lists the first name of the customer
	last_name	Character		Lists the last name of the customer
	email	Character		Lists the email of the customer
🔑	address_id	Integer	store, staff, address	Identifies the ID of the address
	activebool	Boolean		Identifies if the customer is active or not
	create_date	Date		Date customer is created
	last_update	Timestamp		Date and time of the last update
	active	Integer		Translates the Boolean (True=1, False=0)

b. staff

	column name	data type	links to tables	description
🔑	staff_id	Integer	payment, rental, staff	Identifies the ID of the staff member
	first_name	Character		Lists the first name of the staff member
	last_name	Character		Lists the last name of the staff member
🔑	address_id	Integer	customer, store, address	Identifies the ID of the address
	email	Character		Lists the email of the staff member
🔑	store_id	Integer	customer, store, inventory	Identifies the ID of the store
	active	Boolean		Identifies if the customer is active or not
	username	Character		Username of the staff member
	password	Character		Password of the staff member
	last_update	Timestamp		Date and time of the last update
	picture	Bytea		Picture of the staff member

c. actor

	column name	data type	links to tables	description
🔑	actor_id	Integer	film_actor	Identifies the ID of the actor
	first_name	Character		Lists the first name of the actor
	last_name	Character		Lists the last name of the actor
	last_update	Timestamp		Date and time of the last update

d. film

	column name	data type	links to tables	description
🔑	film_id	Integer	film_actor, film_category, inventory	Identifies the ID of the film
	title	Character		Lists the title of the film
	description	Text		Description of the film
	release_year	Year		The year the film was released
🔑	language_id	Integer	language	Identifies the ID of the language of the film
	rental_duration	Integer		The duration of the rental in days
	rental_rate	Numeric(4,2)		The price of the rental in dollars and cents
	length	Integer		The length of the film in minutes
	replacement_cost	Numeric(5,2)		The price of the film to be replaced
	rating	mpaa_rating		The rating of the film according to mpaa
	last_update	Timestamp		Date and time of the last update
	special_features	Text		The special features that are included with the film
	fulltext	tsvector		A vector to identify information about the film

e. category

	column name	data type	links to tables	description
🔑	category_id	Integer	film_category	Identifies the ID of the category
	name	Character		Classifies the film by genres
	last_update	Timestamp		Date and time of the last update

f. address

	column name	data type	links to tables	description
🔑	address_id	Integer	customer, staff, store	Identifies the ID of the address
	address	Character		The first line of the address
	address2	Character		The second line of the address
	district	Character		District or state of the address
🔑	city_id	Integer	city	Identifies the ID of the city
	postal_code	Character		Zip code of the address

	phone	Character		Phone number associated with the address
	last_update	Timestamp		Date and time of the last update

g. language

	column name	data type	links to tables	description
🔑	language_id	Integer	language_id	Identifies the ID of the language of the film
	name	Character		The name of the language in the film
	last_update	Timestamp		Date and time of the last update

h. city

	column name	data type	links to tables	description
🔑	city_id	Integer	address	Identifies the ID of the city
	city	Character		City name
🔑	country_id	Integer	country	Identifies the ID of the country
	last_update	Timestamp		Date and time of the last update

i. country

	column name	data type	links to tables	description
🔑	country_id	Integer	city	Identifies the ID of the country
	country	Character		Country name
	last_update	Timestamp		Date and time of the last update