

# DATA DICTIONARY

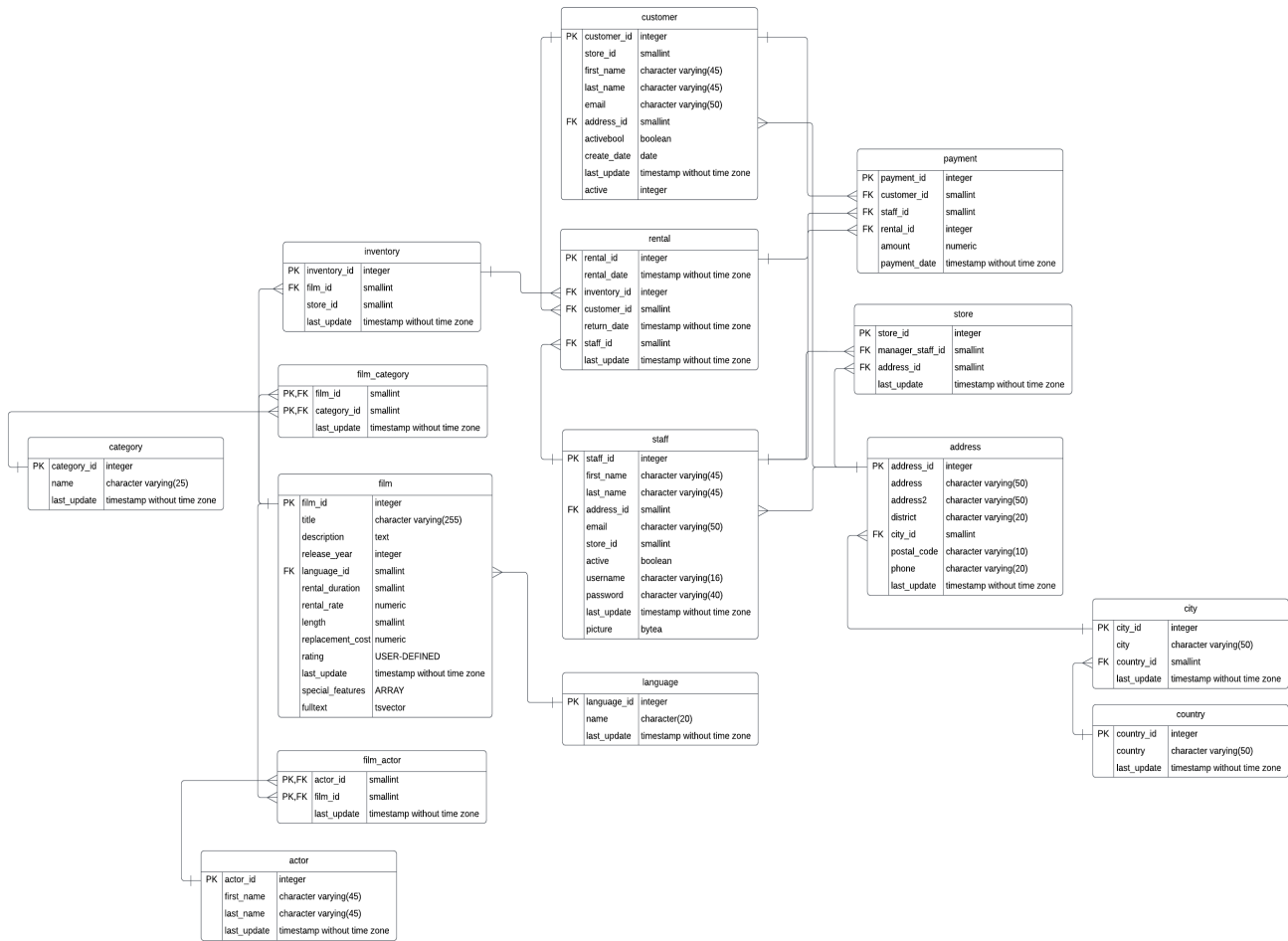
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## Entity Relationship Diagram



## Legend






Primary Key






Unique Key

## FACT TABLES

	Table	Column	Data Types	Description
	Rental	rental_id	integer	a unique identifier for rental
		rental_date	timestamp without time zone	the date and time when the rental is made
		inventory_id	integer	a unique identifier for inventory
		customer_id	smallint	a unique identifier for customer
		return_date	timestamp without time zone	the date and time when the return is made
		staff_id	smallint	a unique identifier for staff
		last_update	timestamp without time zone	the date and time when the last update is made
	Payment	payment_id	integer	a unique identifier for payments
		customer_id	smallint	a unique identifier for customer
		staff_id	smallint	a unique identifier for staff
		rental_id	integer	a unique identifier for rental
		amount	numeric	amount paid by the customer
		payment_date	timestamp without time zone	the date and time when a payment is paid

## DIMENSION TABLES

	Table	Column	Data Types	Description
	Actor	actor_id	integer	a unique identifier for actor
		first_name	character varying	first name of the actor
		last_name	character varying	last name of the actor
		last_update	timestamp without time zone	the date and time when the last update is made
	Address	address_id	integer	a unique identifier for address
		address	character varying	the first line of an address
		address2	character varying	an optional second line of an address
		district	character varying	the region of an address
		city_id	smallint	the city of an address
		postal_code	character varying	the postal code of an address
		phone	character varying	the phone number for the address
		last_update	timestamp without time zone	the date and time when the last update is made
	Category	category_id	integer	a unique identifier for category
		name	character varying	name of the category

		last_update	timestamp without time zone	the date and time when the last update is made
	City	city_id	integer	a unique identifier for city
		city	character varying	name of city
		country_id	smallint	a unique identifier for country
		last_update	timestamp without time zone	the date and time when the last update is made
	Country	country_id	integer	a unique identifier for country
		country	character varying	name of country
		last_update	timestamp without time zone	the date and time when the last update is made
	Customer	customer_id	integer	a unique identifier for customer
		store_id	smallint	a unique identifier for store
		first_name	character varying	first name of the customer
		last_name	character varying	last name of the customer
		email	character varying	email of the customer
		address_id	smallint	a unique identifier for address
		activebool	boolean	status whether the customer is active or not
		create_date	date	the date when the customer is created in the system
		last_update	timestamp without time zone	the date and time when the last update is made
		active	integer	number
	Film	film_id	integer	a unique identifier for film
		title	character varying	the title of the film
		description	text	the description of the film
		release_year	integer	the year when the film is released
		language_id	smallint	a unique identifier for language
		rental_duration	smallint	the duration of the rental
		rental_rate	numeric	the date and time when the rental is made
		length	smallint	the length of the film
		replacement_cost	numeric	the cost of replacing the film
		rating	USER-DEFINED	the rating of the film
		last_update	timestamp without time zone	the date and time when the last update is made
		special_features	ARRAY	the special feature of the film
		fulltext	tsvector	the index type of full-text index
	film_actor	actor_id	smallint	a unique identifier for actor
		film_id	smallint	a unique identifier for film
		last_update	timestamp without time zone	the date and time when the last update is made
	film_category	film_id	smallint	a unique identifier for film
		category_id	smallint	a unique identifier for category
		last_update	timestamp without time zone	the date and time when the last update is made
	inventory	inventory_id	integer	a unique identifier for inventory
		film_id	smallint	a unique identifier for film
		store_id	smallint	a unique identifier for store




		last_update	timestamp without time zone	the date and time when the last update is made
	language	language_id	integer	a unique identifier for language
		name	character	name of the language
		last_update	timestamp without time zone	the date and time when the last update is made
	staff	staff_id	integer	a unique identifier for staff
		first_name	character varying	first name of the staff
		last_name	character varying	last name of the staff
		address_id	smallint	a unique identifier for address
		email	character varying	email of the staff
		store_id	smallint	a unique identifier for store
		active	boolean	status whether the staff is active or not
		username	character varying	username of the staff
		password	character varying	password of the staff
		last_update	timestamp without time zone	the date and time when the last update is made
		picture	bytea	picture of the staff
	store	store_id	integer	a unique identifier for store
		manager_staff_id	smallint	a unique identifier for manager staff
		address_id	smallint	a unique identifier for address
		last_update	timestamp without time zone	the date and time when the last update is made

TABLE NAME	LINKS TO/FROM		TABLE NAME
Rental	LINKS TO	inventory_id=inventory_id	Inventory
Rental	LINKS TO	customer_id=customer_id	Customer
Rental	LINKS TO	staff_id=staff_id	Staff
Rental	LINKS FROM	rental_id=rental_id	Payment
Payment	LINKS TO	customer_id=customer_id	Customer
Payment	LINKS TO	staff_id=staff_id	Staff
Payment	LINKS TO	rental_id=rental_id	Rental
Actor	LINKS FROM	actor_id=actor_id	Film_actor
Address	LINKS TO	city_id = city_id	City
Address	LINKS FROM	address_id = address_id	Staff
Address	LINKS FROM	address_id = address_id	Store
Category	LINKS FROM	category_id=category_id	Film_category
City	LINKS TO	country_id=country_id	Country
City	LINKS FROM	city_id = city_id	Address
Country	LINKS FROM	country_id=country_id	City
Customer	LINKS TO	address_id = address_id	Address
Customer	LINKS FROM	customer_id=customer_id	Rental
Customer	LINKS FROM	customer_id=customer_id	Payment
Film	LINKS FROM	film_id= film_id	Inventory
Film	LINKS FROM	film_id= film_id	Film_actor
Film	LINKS FROM	film_id= film_id	Film_category
Film_actor	LINKS TO	actor_id=actor_id	Actor
Film_actor	LINKS TO	film_id= film_id	Film
Film_category	LINKS TO	film_id= film_id	Film
Film_category	LINKS TO	category_id=category_id	Category
Inventory	LINKS FROM	inventory_id=inventory_id	Rental
Inventory	LINKS TO	film_id= film_id	Film
Language	LINKS FROM	language_id= language_id	Film
Staff	LINKS TO	address_id = address_id	Address
Staff	LINKS FROM	staff_id=staff_id	Payment
Staff	LINKS FROM	staff_id=staff_id	Rental
Store	LINKS TO	manager_staff_id=staff_id	Staff
Store	LINKS TO	address_id = address_id	Address