

Data Dictionary



Prepared by
Yu-Ann Chen

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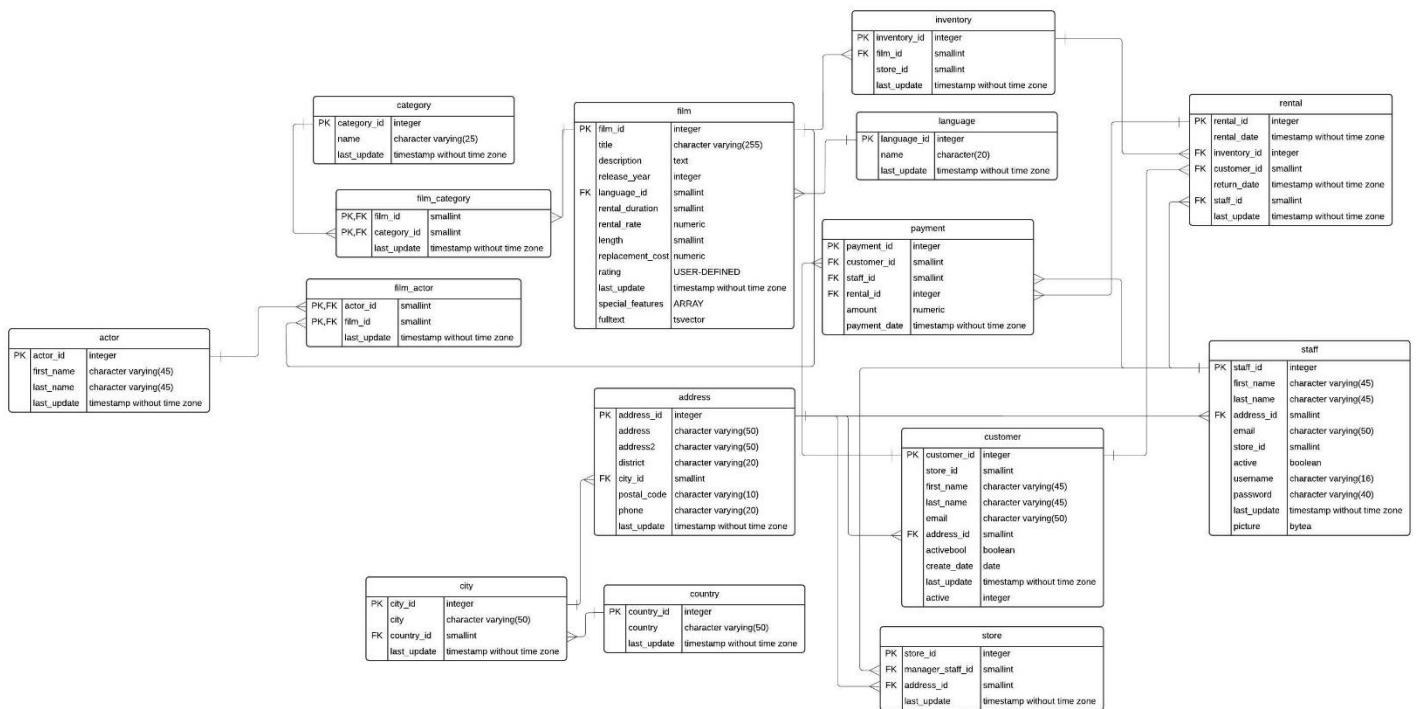
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1. Entity Relationship Diagram (ERD)



2. Fact Tables

Payment

	payment_id	integer	Primary key; Unique identifier for a payment
⇒ customer	customer_id	smallint	Foreign key; Unique identifier for a customer
⇒ rental	rental_id	integer	Foreign key; Unique identifier for a rental
⇒ staff	staff_id	smallint	Foreign key; Unique identifier for staff
	payment_date	timestamp without time zone	Payment date
	amount	numeric	Payment amount

Rental

⇄ payment	rental_id	integer	Primary key; Unique identifier for a rental
⇒ customer	customer_id	smallint	Foreign key; Unique identifier for a customer
⇒ inventory	inventory_id	integer	Foreign key; Unique identifier for inventory
⇒ staff	staff_id	smallint	Foreign key; Unique identifier for staff
	return_date	timestamp without time zone	Return date
	last_update	timestamp without time zone	Last update timestamp
	rental_date	timestamp without time zone	Rental date

3. Dimension tables

Actor

⇐ film actor	actor_id	integer	Primary key; Unique identifier for an actor
	last_update	timestamp without time zone	Last update timestamp
	first_name	character varying	First name of the actor
	last_name	character varying	Last name of the actor

Address

⇐ customer, staff, store	address_id	integer	Primary key; Unique identifier for an address
⇒ city	city_id	smallint	Foreign key; Unique identifier for a city
	district	character varying	District name
	postal_code	character varying	Postal code
	address2	character varying	Additional address information
	last_update	timestamp without time zone	Last update timestamp
	phone	character varying	Phone number
	address	character varying	Street address

Category

⇐ film category	category_id	integer	Primary key; Unique identifier for a category
	name	character varying	Category name
	last_update	timestamp without time zone	Last update timestamp

City

⇐ address	city_id	integer	Primary key; Unique identifier for a city
⇒ country_id	country_id	smallint	Foreign key; Unique identifier for a country
	last_update	timestamp without time zone	Last update timestamp
	city	character varying	City name

Country

⇐ city	country_id	integer	Primary key; Unique identifier for a country
	last_update	timestamp without time zone	Last update timestamp
	country	character varying	Country name

Customer

⇐ payment, rental	customer_id	integer	Primary key; Unique identifier for a customer
⇒ address	address_id	smallint	Foreign key; Unique identifier for an address

	store_id	smallint	Unique identifier for a store
	email	character varying	Email address
	last_update	timestamp without time zone	Last update timestamp
	first_name	character varying	First name of the customer
	activebool	boolean	Indicates whether the customer is active
	active	integer	Indicates whether the customer is active
	last_name	character varying	Last name of the customer
	create_date	date	Creation date of the customer record

Film

⇐ inventory, film category, film actor	film_id	integer	Primary key; Unique identifier for a film
⇒ language	language_id	smallint	Foreign key; Unique identifier for a language
	replacement_cost	numeric	Cost to replace the film
	rental_duration	smallint	Duration of rental
	title	character varying	Title of the film
	rental_rate	numeric	Rental rate
	length	smallint	Length of the film
	fulltext	tsvector	Full-text search vector
	release_year	integer	Year of release
	last_update	timestamp without time zone	Last update timestamp
	rating	USER-DEFINED	Rating of the film
	description	text	Description of the film
	special_features	ARRAY	Special features of the film

Film Actor

⇒ actor	actor_id	smallint	Primary & foreign key; Unique identifier for an actor
⇒ film	film_id	smallint	Primary & foreign key; Unique identifier for a film
	last_update	timestamp without time zone	Last update timestamp

Film Category

⇒ film	film_id	smallint	Primary & foreign key; Unique identifier for a film
⇒ category	category_id	smallint	Primary & foreign key; Unique identifier for a category
	last_update	timestamp without time zone	Last update timestamp

Inventory

⇐ rental	inventory_id	integer	Primary key; Unique identifier for inventory
⇒ film	film_id	smallint	Foreign key; Unique identifier for a film
	store_id	smallint	Unique identifier for a store
	last_update	timestamp without time zone	Last update timestamp

Language

⇐ film	language_id	integer	Primary key; Unique identifier for a language
	name	character	Name of the language
	last_update	timestamp without time zone	Last update timestamp

Staff

⇐ store, rental, payment	staff_id	integer	Primary key; Unique identifier for staff
⇒ address	address_id	smallint	Foreign key; Unique identifier for an address
	active	boolean	Indicates whether the staff is active
	picture	bytea	Picture of the staff
	last_name	character varying	Last name of the staff
	first_name	character varying	First name of the staff
	username	character varying	Username of the staff
	password	character varying	Password
	email	character varying	Email address
	store_id	smallint	Unique identifier for a store
	last_update	timestamp without time zone	Last update timestamp

Store

	store_id	integer	Primary key; Unique identifier for a store
⇒ address	address_id	smallint	Foreign key; Unique identifier for an address
⇒ staff	manager_staff_id	smallint	Foreign key; Unique identifier for manager staff
	last_update	timestamp without time zone	Last update timestamp