DATA DICTIONARY

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Rockbuster Stealth LLC
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Rusamijan Permison

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ENTITY RELATIONSHIP DIAGRAM (ERD)
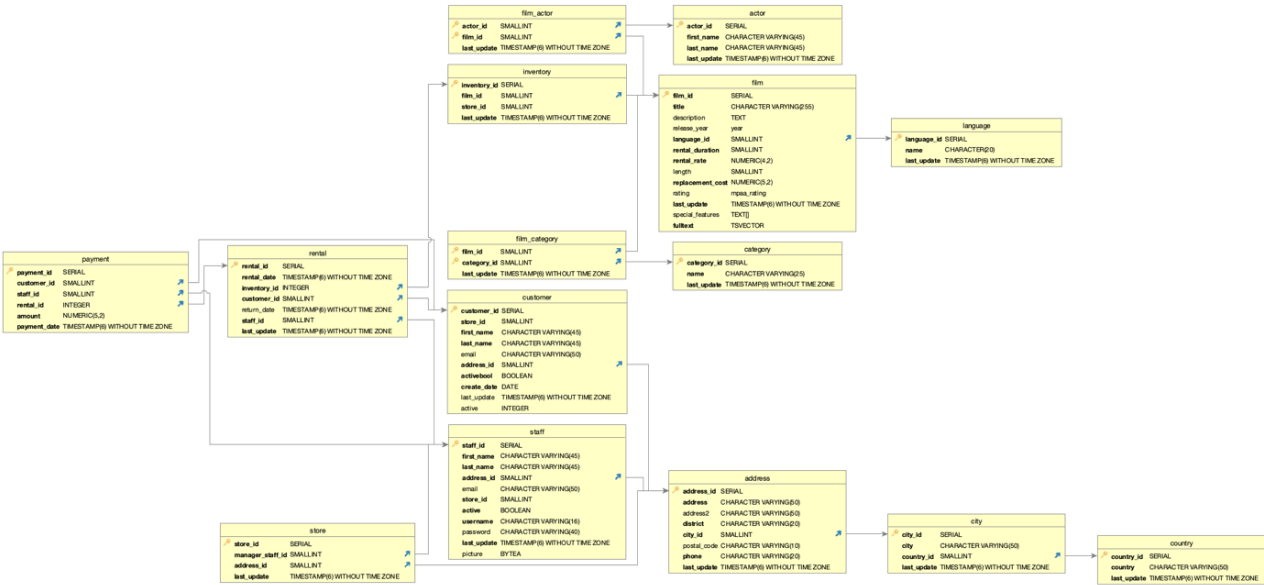
LEGEND

  Primary Key

  Unique Key

FACT TABLE

Payment

Table	Column	Data Types	Description
🔑	payment_id	integer (32)	a unique identifier for payments
	customer_id	smallint (16)	a unique identifier for customer
	staff_id	smallint (16)	a unique identifier for staff
	rental_id	integer (32)	a unique identifier for rental
	amount	numeric (5,2)	amount paid by the customer
	payment_date	timestamp without time zone (6)	the date and time when a payment is paid

Links to

Table	Join
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff _id
rental	payment.rental_id = rental.rental_id

DIMENSION TABLES

Rental

Table	Column	Data Types	Description
🔑	rental_id	integer (32)	a unique identifier for rental
	rental_date	timestamp without time zone (6)	the date and time when the rental is made
	inventory_id	integer (32)	a unique identifier for inventory
	customer_id	smallint (16)	a unique identifier for customer
	return_date	timestamp without time zone (6)	the date and time when the return is made
	staff_id	smallint (16)	a unique identifier for staff
	last_update	timestamp without time zone	the date and time when the last update is made

Links to

Table	Join
inventory	rental.inventory_id = inventory. inventory _id
customer	rental.customer_id = customer.customer_id
staff	rental.rental_id = staff.staff_id
payment	rental.rental_id = payment.rental _id

Store

Table	Column	Data Types	Description
🔑	store_id	integer(32)	a unique identifier for store
	manager_staff_id	smallint(16)	a unique identifier for manager staff
	address_id	smallint(16)	a unique identifier for address
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Links to

Table	Join
staff	store.store_id = staff.store _id
address	store.address_id = address. address _id

Film_actor

Table	Column	Data Types	Description
🔑	actor_id	smallint(16)	a unique identifier for actor
🔑	film_id	smallint(16)	a unique identifier for film
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Links to

Table	Join
actor	film_actor_id = actor.actor_id
film	film_actor.film _id = film.film _id

Inventory

Table	Column	Data Types	Description
🔑	inventory_id	integer(32)	a unique identifier for inventory
	film_id	smallint(16)	a unique identifier for film
	store_id	smallint(16)	a unique identifier for store
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Links to

Table	Join
film	Inventory.film_id = film.film_id
rental	Inventory.inventory _id = rental.inventory _id

Film_category

Table	Column	Data Types	Description
🔑	film_id	smallint(16)	a unique identifier for film
🔑	category_id	smallint(16)	a unique identifier for category
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Links to

Table	Join
film	film_category.film_id = film.film_id
category	film_category.category_id = category. category _id

Customer

Table	Column	Data Types	Description
🔑	customer_id	integer(32)	a unique identifier for customer
	store_id	smallint(16)	a unique identifier for 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(16)	a unique identifier for address
	activebool	boolean	status whether the customer is active or not
	create_date	date(3)	the date when the customer is created in the system
	last_update	timestamp without time zone(6)	the date and time when the last update is made
	active	integer(32)	number

Links to

Table	Join
address	customer.address_id = address. address _id
store	customer.customer_id = store.customer_id

Staff

Table	Column	Data Types	Description
🔑	staff_id	integer(32)	a unique identifier for staff

	First_name	character varying(45)	first name of the staff
	last_name	character varying(45)	last name of the staff
	address_id	smallint(16)	a unique identifier for address
	email	character varying(50)	email of the staff
	store_id	smallint(16)	a unique identifier for store
	active	boolean	status whether the staff is active or not
	username	character varying(16)	username of the staff
	password	character varying(40)	password of the staff
	last_update	timestamp without time zone(6)	the date and time when the last update is made
	picture	bytea	picture of the staff

Links to

Table	Join
address	staff.address_id = address. address _id
store	Staff.store_id = store.store_id

Actor

Table	Column	Data Types	Description
🔑	actor_id	integer(32)	a unique identifier for actor
	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(6)	the date and time when the last update is made

Linked from

Table	Join
film_actor	actor.actor_id = film_actor.actor _id

Film

Table	Column	Data Types	Description
🔑	film_id	integer(32)	a unique identifier for film
	title	character varying(255)	the title of the film
	description	text	the description of the film
	release_year	integer(32)	the year when the film is released
	language_id	smallint(16)	a unique identifier for language
	rental_duration	smallint(16)	the duration of the rentral

			the date and time when the rental is made
	rental_rate	numeric(4,2)	
	length	smallint(16)	the length of the film
	replacement_cost	numeric(5,2)	the cost of replacing the film
	rating	USER-DEFINED	the rating of the film
	last_update	timestamp without time zone(6)	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

Links to

Table	Join
language	film.language_id = language.language_id

Linked from

Table	Join
film_actor	film.film_id = film_actor.film_id
inventory	staff.staff_id = payment.staff_id
film_category	film.film_id = film_category.film_id

Category

Table	Column	Data Types	Description
🔑	category_id	integer(32)	a unique identifier for category
	name	character varying(25)	name of the category
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Linked from

Table	Join
film_category	category.category_id = film_category.category_id

Address

Table	Column	Data Types	Description
🔑	address_id	integer(32)	a unique identifier for address
	address	character varying(50)	the first line of an address
	address2	character varying(50)	an optional second line of an address
	district	character varying(20)	the region of an address

	city_id	smallint(16)	the city of an address
	postal_code	character varying(10)	the postal code of an address
	phone	character varying(20)	the phone number for the address
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Links to

Table	Join
city	address.city_id = city.city_id

Linked from

Table	Join
customer	address.address_id = customer.address_id
staff	address.address_id = staff.address _id
store	address.address _id = store.address _id

Language

Table	Column	Data Types	Description
🔑	language_id	integer(32)	a unique identifier for language
	name	character(20)	name of the language
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Linked from

Table	Join
film	language.language_id = film_language _id

City

Table	Column	Data Types	Description
🔑	city_id	integer(32)	a unique identifier for city
	city	character varying(50)	name of city
	country_id	smallint(16)	a unique identifier for country
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Links to

Table	Join
payment	staff.staff_id = payment.staff_id

Linked from

Table	Join
address	city.city_id = address.city_id

Country

Table	Column	Data Types	Description
🔑	country_id	integer(32)	a unique identifier for country
	country	character varying(50)	name of the country
	last_update	timestamp without time zone(6)	the date and time when the last update is made

Linked from

Table	Join
city	country.country_id =country.city_id