Rockbuster Stealth LLC

Data Dictionary

Queency Y | January 2024

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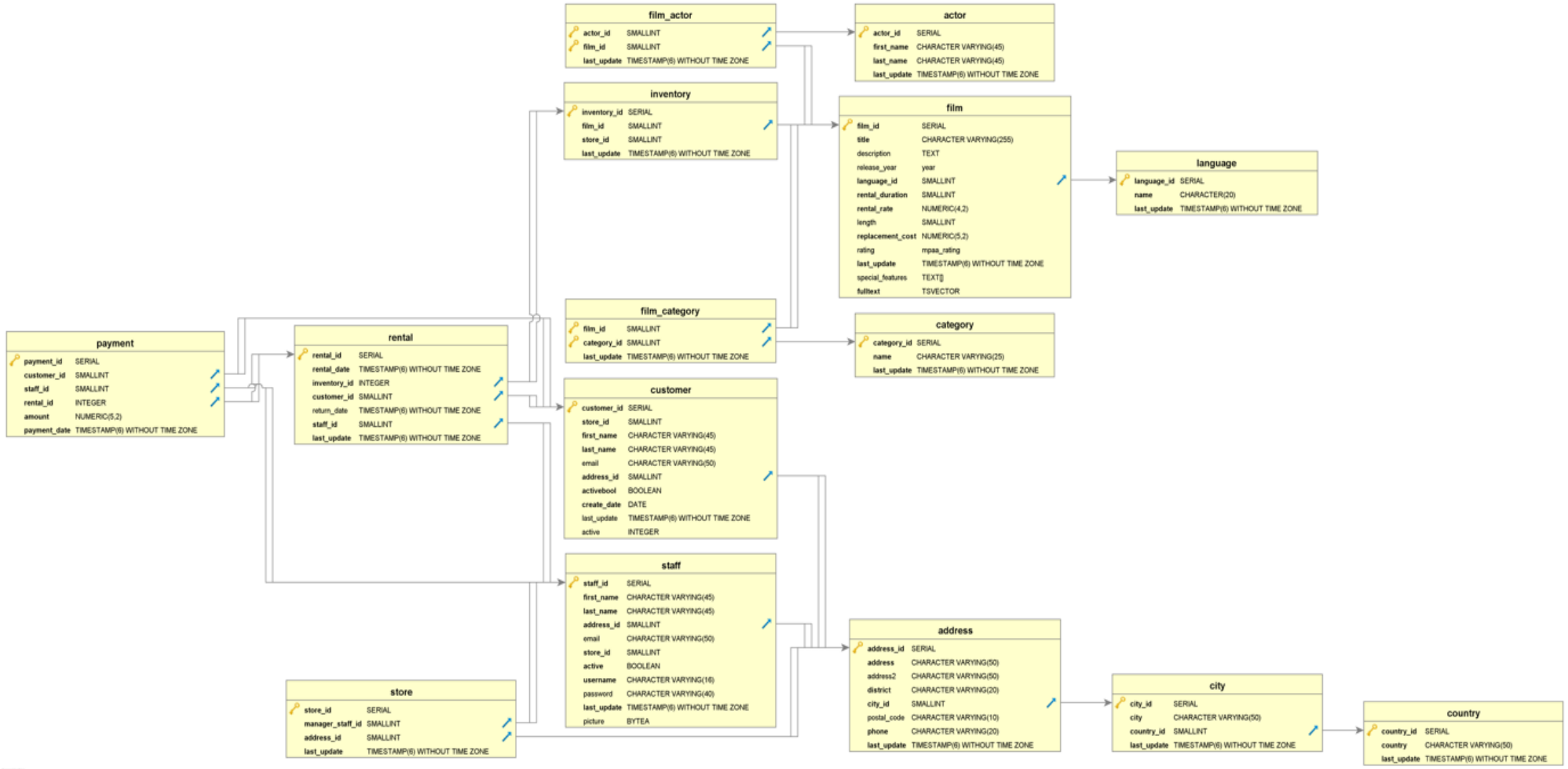
Entity Relationship Diagram (ERD)



Tables

Primary Key

Foreign Key

Fact table:

- Rental Table

	Columns	Data Type	Description
	rental_id	SERIAL	Primary key, unique number assigned to each rental transaction
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of each movie rental transaction happens
	inventory_id	INTEGER	Number assigned to the inventory
	customer_id	SMALLINT	Number assigned to the each customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the movie is returned
	staff_id	SMALLINT	Number assigned to each staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

Dimension table:

- Payment

	Columns	Data Type	Description
	payment_id	SERIAL	Primary key, unique number assigned to each payment transaction
	customer_id	SMALLINT	Number assigned to the each customer
	staff_id	SMALLINT	Number assigned to the each staff
	rental_id	INTEGER	Number assigned to the each movie rental transaction
	amount	NUMERIC(5,2)	The cost of the rental transaction
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the rental payment

- Customer

	Columns	Data Type	Description
	customer_id	SERIAL	Primary key, unique number assigned to each customer
	store_id	SMALLINT	Number assigned to each store
	first_name	CHARACTER VARYING(45)	Customer's first name
	last_name	CHARACTER VARYING(45)	Customer's last name
	email	CHARACTER VARYING(50)	Customer's e-mail address
	address_id	SMALLINT	Number assigned to identify customer's address
	activebool	BOOLEAN	True or false to indicates if the customer is active
	create_date	DATE	The date of the customer's account created
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated
	active	INTEGER	0 or 1 to indicates if the customer is active

- Address

	Columns	Data Type	Description
	address_id	SERIAL	Primary key, unique number assigned to each customer's address
	address	CHARACTER VARYING(50)	The customer's address
	address2	CHARACTER VARYING(50)	The customer's second address
	district	CHARACTER VARYING(20)	The customer's district address
	city_id	SMALLINT	Number assigned to city
	postal_code	CHARACTER VARYING(10)	The customer's postal code
	phone	CHARACTER VARYING(20)	The customer's phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- City

	Columns	Data Type	Description
	city_id	SERIAL	Primary key, unique number assigned to each city
	city	CHARACTER VARYING(50)	Name of the city
	country_id	SMALLINT	Number assigned to each country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Country

	Columns	Data Type	Description
	country_id	SERIAL	Primary key, unique number assigned to each country
	country	CHARACTER VARYING(50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Staff

	Columns	Data Type	Description
	staff_id	SERIAL	Primary key, unique number assigned to each staff
	first_name	CHARACTER VARYING(45)	Staff's first name
	last_name	CHARACTER VARYING(45)	Staff's last name
	address_id	SMALLINT	Number assigned to staff's address
	email	CHARACTER VARYING(50)	Staff's e-mail address
	store_id	SMALLINT	Number assigned to each store
	active	BOOLEAN	True or false to indicates if the staff is active
	username	CHARACTER VARYING(16)	Username for each staff login
	password	CHARACTER VARYING(40)	Password for each staff login
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated
	picture	BYTEA	Staff's photo

- Store

	Columns	Data Type	Description
	store_id	SMALLINT	Primary key, Number assigned to each store
	manager_staff_id	CHARACTER VARYING(45)	Number assigned to manager in charged of each store
	address_id	SMALLINT	Number assigned to store's address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Film Category

	Columns	Data Type	Description
	film_id	SMALLINT	Primary key, Number assigned to each film
	category_id	SMALLINT	Number assigned to film's category type
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Category

	Columns	Data Type	Description
	category_id	SMALLINT	Primary key, number assigned to film's category type
	name	CHARACTER VARYING(25)	Name of the movie category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	Primary key, number assigned to each film inventory
	film_id	SMALLINT	Number assigned to each film
	store_id	SMALLINT	Number assigned to each store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Film

	Columns	Data Type	Description
	film_id	SERIAL	Primary key, unique number assigned to each movie
	title	CHARACTER VARYING(255)	Movie's title
	description	TEXT	Movie's description
	release_year	year	The year the movie was released
	language_id	SMALLINT	Number assigned to movie's language
	rental_duration	SMALLINT	The number of days the movie's rented
	rental_rate	NUMERIC(4,2)	The cost for the movie rental
	length	SMALLINT	The length of the movie in minutes
	replacement_cost	NUMERIC(5,2)	The cost of the movie's replacement
	rating	mpaa_rating	The movie's rating (G, PG, R, PG-13,etc.)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated
	special_features	TEXT[]	Any special features included in the movie
	fulltext	TSVECTOR	Keywords linked to each movie

- Film actor

	Columns	Data Type	Description
	actor_id	SMALLINT	Primary key, number assigned to each actor
	film_id	SMALLINT	Number assigned to each film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Actor

	Columns	Data Type	Description
	actor_id	SERIAL	Primary key, number assigned to each actor
	first_name	CHARACTER VARYING(45)	Actor's first name
	last_name	CHARACTER VARYING(45)	Actor's last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated

- Language

	Columns	Data Type	Description
	language_id	SERIAL	Primary key, number assigned to each language
	name	CHARACTER (20)	The name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of when the information is updated