

RockBuster

Data Dictionary

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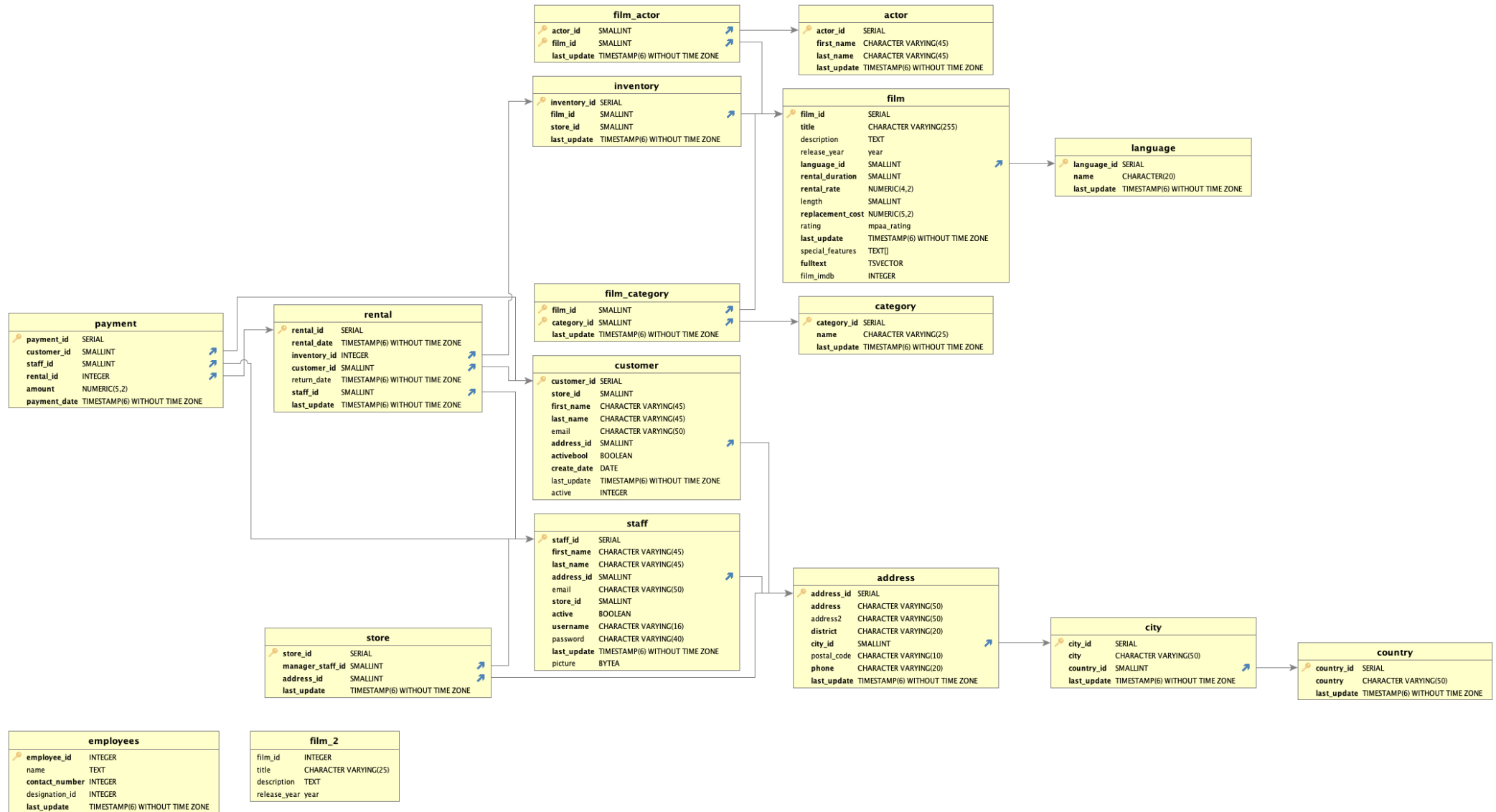
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Legends

 **Primary Key**

 **Foreign Key**





ERD



Tables

Payment Table

COLUMNS





	Name	Data Type	Description
	payment_id	SERIAL	The primary key for the Payment table. Unique number for each payment
	customer_id	SMALLINT	Foreign key. Unique number for each customer
	staff_id	SMALLINT	Foreign key. Unique number for each staff
	rental_id	INTEGER	Foreign key. Unique number for each rental
	amount	NUMERIC(5,2)	Numeric value for amount. Number can be no more than 5 digits and 2 digits placed after decimal point
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when payment was made.

Links To

Table	Join	Description
rental	payment.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
customer	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

Rental Table

COLUMNS

	Name	Data Type	Description
	rental_id	SERIAL	The primary key for the Rental table. Unique number for each rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date format of when rental was made
	inventory_id	INTEGER	Foreign key. Unique number for each inventory
	customer_id	SMALLINT	Foreign key. Unique number for each customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date format of the date when rental was returned
	staff_id	SMALLINT	Foreign key. Unique number for each staff

Links To




Table	Join	Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
customer	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

Linked from

Table	Join	Description
payment	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id

Store Table

COLUMNS



	Name	Data Type	Description
	store_id	SERIAL	The primary key for the Store table. Unique number for a store in a location
	manager_staff_id	SMALLINT	Foreign key. Unique number for each managerial staff
	address_id	SMALLINT	Foreign key. Unique number for a address of store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when store data was last updated

Links To

Table	Join	Description
staff	store.manager_staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
address	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

Film Actor Table

COLUMNS




	Name	Data Type	Description
	actor_id	SMALLINT	Foreign key. Unique number for each actor
	film_id	SMALLINT	Foreign key. Unique number for each film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when film actor data was last updated

Links To

Table	Join	Description
actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id
film	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id

Inventory

COLUMNS

	Name	Data Type	Description
	inventory_id	SERIAL	The primary key for the Inventory table. Unique number for each inventory
	film_id	SMALLINT	Foreign key. Unique number for each film
	store_id	SMALLINT	Foreign key. Unique number for a store in a location
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when Inventory data was last updated

Links To



Table	Join	Description
film	Inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id

Linked from

Table	Join	Description
rental	rental.rental_id = inventory.rental_id	Foreign key constraint referencing rental.rental_id

Film Category Table

COLUMNS




	Name	Data Type	Description
	film_id	SMALLINT	Foreign key for the film category table. Unique number for each film
	category_id	SMALLINT	Foreign key. Unique number for the category of film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when file category data was last updated

Links To

Table	Join	Description
film	Film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id
category	Film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

Customer Table

COLUMNS

	Name	Data Type	Description
	customer_id	SERIAL	The primary key for the Customer table. Unique number for each customer
	store_id	SMALLINT	Unique number for each store in a location
	first_name	CHARACTER VARYING(45)	The first name of the customer
	last_name	CHARACTER VARYING(45)	The last name of the customer
	email	CHARACTER VARYING(50)	Email address of the customer
	address_id	SMALLINT	Foreign key. Unique number for an address of the customer
	activebool	BOOLEAN	A true or false statement
	create_date	DATE	Date format of the creation of the customer record
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when customer data was last updated
	active	INTEGER	1 = active customer 0 = inactive customer

Links To




Table	Join	Description
address	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id

Linked from

Table	Join	Description
rental	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
payment	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

Staff Table

COLUMNS

	Name	Data Type	Description
	staff_id	SERIAL	The primary key for the Staff table. Unique number for each staff
	first_name	CHARACTER VARYING(45)	The first name of the staff
	last_name	CHARACTER VARYING(45)	The last name of the staff
	address_id	SMALLINT	Foreign key. Unique number for an address of the staff
	email	CHARACTER VARYING(50)	Email address of the staff
	store_id	SMALLINT	Foreign key. Unique number of each store in a location
	active	BOOLEAN	A true or false statement
	username	CHARACTER VARYING(16)	Username for the staff
	password	CHARACTER VARYING(40)	Password for the username of the staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when staff data was last updated
	picture	BYTEA	Picture format of staff

Links To



Table	Join	Description
address	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id

Linked from

Table	Join	Description
rental	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
payment	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
store	store.store_id = staff.store_id	Foreign key constraint referencing staff.staff_id

Address Table

COLUMNS

	Name	Data Type	Description
	address_id	SERIAL	The primary key for the Address table. Unique number for each address
	address	CHARACTER VARYING(50)	First line of address
	address2	CHARACTER VARYING(50)	Second line of address
	district	CHARACTER VARYING(20)	District of address
	city_id	SMALLINT	Unique number of a city
	postal_code	CHARACTER VARYING(10)	Address's postal code
	phone	CHARACTER VARYING(20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when address data was last updated

Links To



Table	Join	Description
city	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

Linked from

Table	Join	Description
customer	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id
staff	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id
store	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

City Table

COLUMNS

	Name	Data Type	Description
	city_id	SERIAL	The primary key for the City table. Unique number for each city
	city	CHARACTER VARYING(50)	Name of the city
	country_id	SMALLINT	Foreign key. Unique number for each country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when city data was last updated

Links To


Table	Join	Description
country	city.country_id = country.country_id	Foreign key constraint referencing country.country_id

Linked from

Table	Join	Description
address	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

Country Table

COLUMNS


	Name	Data Type	Description
	country_id	SERIAL	The primary key for the Country table. Unique number for each country
	country	CHARACTER VARYING(50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when country data was last updated

Linked from

Table	Join	Description
city	city.country_id = country.country_id	Foreign key constraint referencing country.country_id

Actor Table

COLUMNS



	Name	Data Type	Description
	actor_id	SERIAL	The primary key for the Actor table. Unique number for each actor
	first_name	CHARACTER VARYING(45)	First name of the actor
	last_name	CHARACTER VARYING(45)	Last name of the actor
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when actor data was last updated

Linked from

Table	Join	Description
film_actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id

Film Table

COLUMNS

	Name	Data Type	Description
	film_id	SERIAL	The primary key for the Film table. Unique number for each film
	title	CHARACTER VARYING(255)	Title of the film
	description	TEXT	Description about the film
	release_year	YEAR	Release year of the film
	language_id	SMALLINT	Foreign key. Unique number of a language
	rental_duration	SMALLINT	Duration time of the rental
	rental_rate	NUMERIC(4,2)	Price of the rental
	length	SMALLINT	Length of time of the film
	replacement_cost	NUMERIC(5,2)	Price of replacing the film
	rating	MPAA_RATING	Film rating for the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when film data was last updated
	special_features	TEXT[]	Special features of the film
	Fulltext	TSVECTOR	Information of the film

Links To


Table	Join	Description
language	film.language_id = language.language_id	Foreign key constraint referencing language.language_id

Linked from

Table	Join	Description
film_actor	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id
inventory	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id
film_category	film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id

Category Table

COLUMNS


	Name	Data Type	Description
	category_id	SERIAL	The primary key for the category table. Unique number for each category
	name	CHARACTER VARYING(25)	Name of the category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when category data was last updated

Linked from

Table	Join	Description
film_category	film_category.category_id = category.category_id	Foreign key constraint category.category_id

Language Table

COLUMNS

	Name	Data Type	Description
	language_id	SERIAL	The primary key for the Language table. Unique number for each language
	name	CHARACTER VARYING(20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when language data was last updated

Linked from

Table	Join	Description
film	film..language_id = language.language_id	Foreign key constraint language.language_id