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ROCKBUSTER

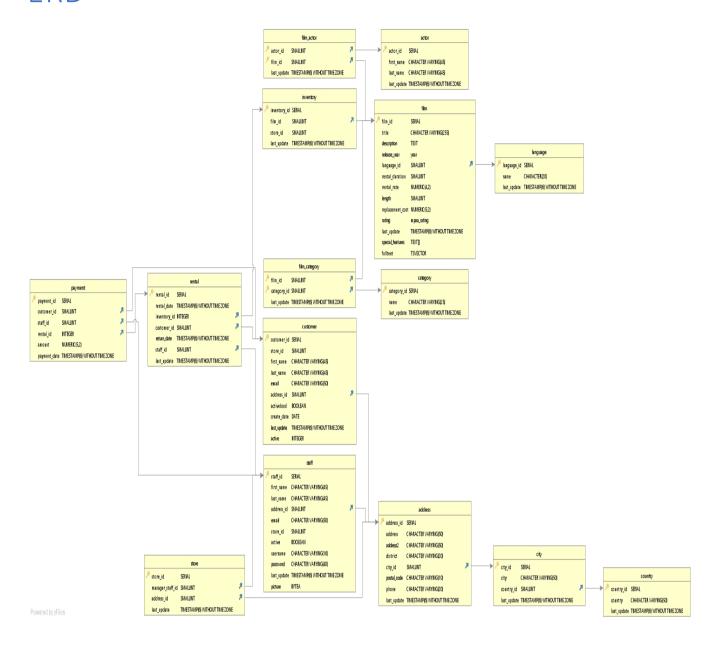Data Dictionary

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ERD

Rockbuster Database tables including connections between those tables.

Each pale-yellow box is an individual table, the title on the top with the column withing named on the left followed by their respective data types and description. Yellow keys indicates primary keys, blue arrows indicates the foreign keys.

TABLES

Tables in this sections are listed along with their column descriptions and keys

PAYMENT

Columns	Data Type	Description
payment_id	SERIAL	Primary key for payment records. Identity/ Auto increment column
customer_id	SMALLINT	Foreign key to Customer.
staff_id	SMALLINT	Foreign key to Staff
rental_id	INTEGER	Foreign key for rental identification number
amount	NUMERIC(52)	The amount paid for the rental
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date payment was made

LINKS TO

Table	Join	Description
customer	Customer.Customer_id=payment.customer_id	Foreign key constraints referencing customer.customer_id
staff	Staff.Staff_id= payment.staff_id	Foreign key constraints referencing staff.staff_id
rental	Payment.rental_id=rental.rental_id	Foreign key constraints referencing rental.rental_id

RENTAL

Columns	Data Type	Description
rental_id	serial	Primary key to rental. Auto increment column
rental_date	timestamp	The date the movie rental was made
inventory_id	int4	Foreign key to rental
customer_id	int2	Foreign key to customer. Customer identification
return_date	timestamp	Date the movie was returned
staff_id	int2	Foreign key to staff. Staff identification
last_update	timestamp	Date the record was last updated

LINKS TO

Table	Join	Description
Inventory	inventory.inventory_id=rental.inventory_id	Foreign key constraints referencing inventory.inventory_id
Customer	Customer.customer_id=rental.customer_id	Foreign key constraints referencing customer.customer_id
Staff	Staff.staff_id=rental.cstaff_id	Foreign key constraints referencing staff.staff_id

STORE

Columns	Data Type	Description
Table	serial	Primary key to store. Auto increment column
manager_staff_id	int2	Foreign key to manager staff
address_id	int2	Foreign key to address. Address identification
last_update	timestamp	

LINKS TO

Table	Join	Description
Manage staff	Manage_staff.manager_staff_id=store.manager_staff_id	Foreign key constraints referencing manager_staff.manager_staff_id
address	Address.address_id=store.address_id	Foreign key constraints referencing address.address_id

FILM ACTOR

Columns	Data Type	Description
actor_id	int2	Primary key to actor records.
film_id	int2	Primary key to film records.
last_update	timestamp	The last date and time the records was updated

LINKS TO

Table	Join	Description
film	Film.film_id=film_actor.film_id	Foreign key constraints referencing film.film_id

INVENTORY

Columns	Data Type	Description
inventory_id	serial	Primary key to inventory records
film_id	int2	Foreign key to film records
store_id	int2	Foreign key to store records
last_update	timestamp	The last date and time the records was updated

LINKS TO

Table	Join	Description
film	Film.film_id=inventory.film_id	Foreign key constraints referencing film.film_id
store	Store.store_id=inventory.inventory_id	Foreign key constraints referencing store.store_id

FILM_CATEGORY

Columns	Data Type	Description
film_id	int2	Primary key to film records. Auto increment
category_id	int2	Primary key to category records
last_update	timestamp	The last date and time the records was updated

LINKS TO

Table	Join	Description
category	Category.category_id=film_category.category_id	Foreign key constraints referencing category.category_id

CUSTOMER

Columns	Data Type	Description
customer_id	serial	Primary key to customer records. Auto increment column
store_id	int2	Foreign key to store records
first_name	varchar	First name of the customer
last_name	varchar	Last name of the customer
email	varchar	The customers email
address_id	int2	Foreign key to customer email
activebool	bool	True, False or null
create_date	date	Date the customers record was create
last_update	timestamp	The last date and time the records was updated
active	int4	1 or 0 showing if it is an active customer

LINKS TO

Table	Join	Description
store	Store.store_id=customer.store_id	Foreign key constraints referencing store.store_id
address	Address.address_id=store.store_id	Foreign key constraints referencing address.address_id

STAFF

Columns	Data Type	Description
staff_id	serial	Primary key to staff records. Auto increment column
first_name	varchar	First name of the staff
last_name	varchar	Last name of the staff
address_id	int2	Foreign key to address of the staff
email	varchar	Email of the staff
store_id	int2	Foreign key to the store
active	bool	True, false or null
username	varchar	Login username of the staff
password	varchar	Login password of the staff
last_update	timestamp	The last date and time the records was updated
picture	bytea	Picture of the staff

Table	Join	Description
address	Address.address_id=staff.addres_id	Foreign key constraints referencing address.address_id
store	Store.store_id=staff.store_id	Foreign key constraints referencing store.store_id

ACTOR

Columns	Data Type	Description
actor_id	serial	Primary key to actor records. Auto increment column
first_name	varchar	First name of the actor
last_name	varchar	Last name of the actor
last_update	timestamp	The last date and time the records was updated

FILM

Columns	Data Type	Description
film_id	serial	Primary key to the film records. Auto increment column
title	varchar	Title name of the film
description	text	Descriptive details of the film
release_year	year	The film year of release
language_id	int2	Foreign key to the language spoken in the film
rental_duration	int2	The time duration the movie was rented
rental_rate	numeric	The date the film was rented
length	int2	The play time length of the film
replacement_cost	numeric	The cost to replace the movie incase the film is not returned
rating	mpaa_rating	The film ratings
last_update	timestamp	The last date and time the records was updated
special_features	_text	Additional features
fulltext	tsvector	Information on film

LINKS TO

Table	Join	Description
language	Language.language_id=film.language_id	Foreign key constraints referencing language.language_id

CATEGORY

Columns	Data Type	Description
category_id	serial	Primary key to category records
name	varchar	The category name/Genre
last_update	timestamp	The last date and time the records was updated

ADDRESS

Columns	Data Type	Description
address_id	serial	Primary key to address records
address	varchar	The first line of the address
address2	varchar	Second line of the address(optional)
district	varchar	District of the address
city_id	int2	Foreign key to city records
postal_code	varchar	The postal code of the address
phone	varchar	The phone number to the address
last_update	timestamp	The last date and time the records was updated

LINKS TO

Table	Join	Description
city	City.city_id=address.city_id	Foreign key constraints referencing city.city_id

LANGUAGE

Columns	Data Type	Description
language_id	serial	Primary key to the language records
name	bpchar	The name of the language
last_update	timestamp	The last date and time the records was updated

CITY

Columns	Data Type	Description
city_id	serial	Primary key the city records
city	varchar	The city name
country_id	int2	Foreign key to the country records
last_update	timestamp	The last date and time the records was updated

LINKS TO

Table	Join	Description
country	Country.country_id=language.country_id	Foreign key constraints referencing country.country_id