ROCKBUSTER DATA DICTIONARY

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ROCKBUSTER New York, USA

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Entity Relationship Diagram

film_actor

actor_id	SMALLINT
film_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

actor

actor_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory

inventory_id	SERIAL
film_id	SMALLINT
store_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film

film_id	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language

language_id	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category

film_id	SMALLINT
category_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category

category_id	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment

payment_id	SERIAL
customer_id	SMALLINT
staff_id	SMALLINT
rental_id	INTEGER
amount	NUMERIC(5,2)
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental

rental_id	SERIAL
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id	INTEGER
customer_id	SMALLINT
return_date	TIMESTAMP(6) WITHOUT TIME ZONE
staff_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer

customer_id	SERIAL
store_id	SMALLINT
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
email	CHARACTER VARYING(50)
address_id	SMALLINT
activebool	BOOLEAN
create_date	DATE
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
active	INTEGER

staff

staff_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
address_id	SMALLINT
email	CHARACTER VARYING(50)
store_id	SMALLINT
active	BOOLEAN
username	CHARACTER VARYING(16)
password	CHARACTER VARYING(40)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
picture	BYTEA

store

store_id	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

address

address_id	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city

city_id	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country

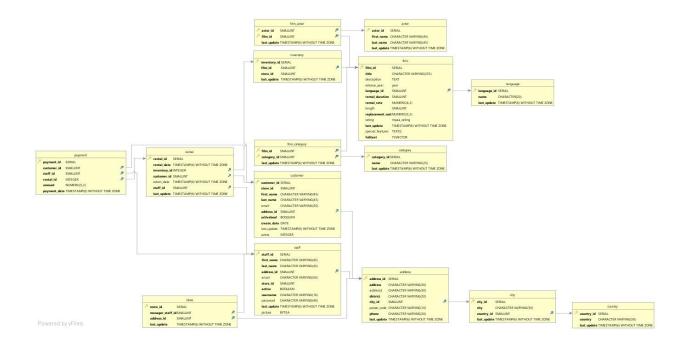|	
country_id	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

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Table Categories

Fact Tables
- Film_Actor
- Inventory
- Film_Category
- Customer
- Store
- Staff
- Actor
- Film
- Language
- Category

Dimension Tables
- Rental
- Payment

Film-Actor

Columns	Data Type	Key	Links to	Links from	Description
actor_id	smallint	Yes, primary, foreign	Actor Table		unique identifier for an actor, numeric value, used as key with relationship to actor table
film_id	smallint	Yes, primary, foreign	Film Table		unique identifier for a film, numeric value, used as key with relationship to film table
last_update	timestamp without time zone	no			timestamp of the last time the record was changed

Inventory

Columns	Data Type	Key	Links to	Links from	Description
inventory_id	serial	yes, primary		Rental Table	unique identifier, system auto-increments the value, not null, numeric value, used as key
film_id	smallint	yes, foreign	Film Table Film_category Table		unique identifier for a film, numeric value, used as key with relationship to film table
store_id	smallint	yes, foreign	Store Table		unique identifier for a store, numeric value
last_update	timestamp without time zone	no			timestamp of the last time the record was changed

Film Category

Columns	Data Type	Key	Links to	Links From	Description
film_id	smallint	yes, primary, foreign	Film table		unique identifier for a film, numeric value, used as key with relationship to film table
category_id	smallint	yes, primary, foreign	Category table		unique identifier for a category, numeric value, used as key with relationship to category table
last_update	timestamp without time zone	no			timestamp of the last time the record was changed

Customer

Columns	Data Type	Key	Links to	Links from	Description
customer_id	serial	yes, primary		Rental Table, Payment Table	unique identifier for a customer, numeric value, system auto-increments value, not null, used as key
store_id	smallint	yes, foreign	Store Table		unique identifier for a store, numeric value
first_name	character varying 45	no			the customer's first name, text field up to 45 characters
last_name	character varying 45	no			the customer's last name, text field up to 45 characters
email	character varying 50	no			email address, text field up to 50 characters
address_id	smallint	no			numeric value, used as key with relationship to address table
activebool	boolean	no			yes/no value
create_date	date	no			timestamp when the record was created
last_update	timestamp without time zone	no			timestamp of the last time the record was changed
active	integer	no			numeric whole number

Staff

Column	Data Type	Key	Links To	Links From	Description
staff_id	serial	yes, primary		Store Table, Payment Table, Rental Table	unique identifer for employee, numeric value, system auto-increments value, used as key
first_name	character varying 45	no			the employee's first name, text field up to 45 characters
last_name	character varying 45	no			the employee's last name, text field up to 45 characters
email	character varying 50	no			email address, text field up to 50 characters
address_id	smallint	yes, foreign	Address Table		numeric value, used as key with relationship to address table
store_id	smallint	yes, foreign	Store Table		unique identifier for a store, numeric value
active	boolean	no			yes/no value
username	character varying 16	no			text string up to 16 characters
password	character varying 40	no			text string up to 40 characters
last_update	timestamp without time zone	no			timestamp of the last time the record was changed
picture	BYTEA	no			file with photo of employee

Store

Column	Data Type	Key	Links To	Links From	Description
store_id	serial	yes, primary			unique identifer for the store, numeric value, system auto-increments value, used as key
manager_staff_id	smallint	yes, foreign	Staff Table		numeric value, the staff_id of the store manager, used as key with relationship to staff table
address_id	smallint	yes, foreign	Address Table		numeric value, the address_id of the store address, used as key with relationship to address table

Actor

Column	Data Type	Key	Links To	Links From	Description
actor_id	serial	yes, primary		Film_Actor Table	unique identifer for the actor, numeric value, system auto-increments value, used as key
first_name	character varying 45	no			the employee's first name, text field up to 45 characters
last_name	character varying 45	no			the employee's last name, text field up to 45 characters
last_update	timestamp without time zone	no			timestamp of the last time the record was changed

Film

Column	Data Type	Key	Links To	Links From	Description
film_id	serial	Yes, Primary		Film_Actor Table, Inventory Table, Film_Category Table	unique identifer for the film, numeric value, system auto-increments value, used as key
title	character varying 255	no			title of the movie, text field up to 255 characters
description	text	no			unlimited text field
release_year	year	no			date value indicating year the film was made
language_id	smallint	Yes, foreign	Language Table		numeric value, used as key with relationship to language table
rental_duration	smallint	no			numeric value, whole numbers indicating the number of days for the rental
rental_rate	numeric (4,2)	no			cost per rental, numeric value with 4 positions before the decimal, 2 positions after the decimal
length	smallint	no			numeric value indicating the length of the film
replacement_cost	numeric (5,2)	no			cost to customer when they lose the film, numeric value with 5 positions before the decimal and 2

					positions after the decimal
rating	mpaa_rating	no			value indicating the intended audience for the film
last_update	timestamp without time zone	no			timestamp of the last time the record was changed
special_features	text()	no			unlimited text field
fulltext	tsvector	no			unlimited text field

Category

Columns	Data Type	Key	Links To	Links From	Description
category_id	serial	Yes, Primary		Film_Category Table	unique identifer for the category, numeric value, system auto-increments value, used as key
name	character varying 25	no			name of category, text field up to 25 characters
last_update	timestamp without time zone	no			timestamp of the last time the record was changed

Language

Columns	Data Type	Key	Links To	Links From	Description
language_id	serial	Yes, Primary		Film Table	unique identifer for the language, numeric value, system auto-increments value, used as key
name	character varying 20	No			name of language, text field up to 20 characters
last_update	timestamp without time zone	No			timestamp of the last time the record was changed

Payment

Column	Data Type	Key	Links To	Links From	Description
payment_id	serial	Yes, Primary			unique identifer for the payment, numeric value, system auto-increments value, used as key
customer_id	smallint	Yes, foreign	Customer Table		numeric value, identifier for customer, used as key with relationship to customer table
staff_id	smallint	Yes, foreign	Staff Table		numeric value, identifier for customer, used as key with relationship to staff table
rental_id	integer	Yes, Foregin	Rental Table		numeric value, identifier for customer, used as key with relationship to rental table
amount	numeric(5,2)	no			numeric value, up to 5 positions before the comma, and 2 decimals
payment_date	timestamp without time zone	no			timestamp when the payment was made

Rental

Column	Data Type	Key	Links To	Links From	Description
rental_id	serial	Yes, primary		Payment Table	unique identifer for the rental, numeric value, system auto-increments value, used as key
rental_date	timestamp without time zone	no			date when the rental started
inventory_id	integer	Yes, Foreign	Inventory Table		numberic whole number, used as key with relationship to inventory table
customer_id	smallint	Yes, Foreign	Customer Table		numeric value, identifier for customer, used as key with relationship to customer table
return_date	timestamp without time zone	no			date when rental concluded
staff_id	smallint	Yes, Foreign	Staff Tableno		numeric value, identifier for employee, used as key with relationship to staff table
last_update	timestamp without time zone	no			timestamp of the last time the record was changed