ROCKBUSTER

Data Dictionary

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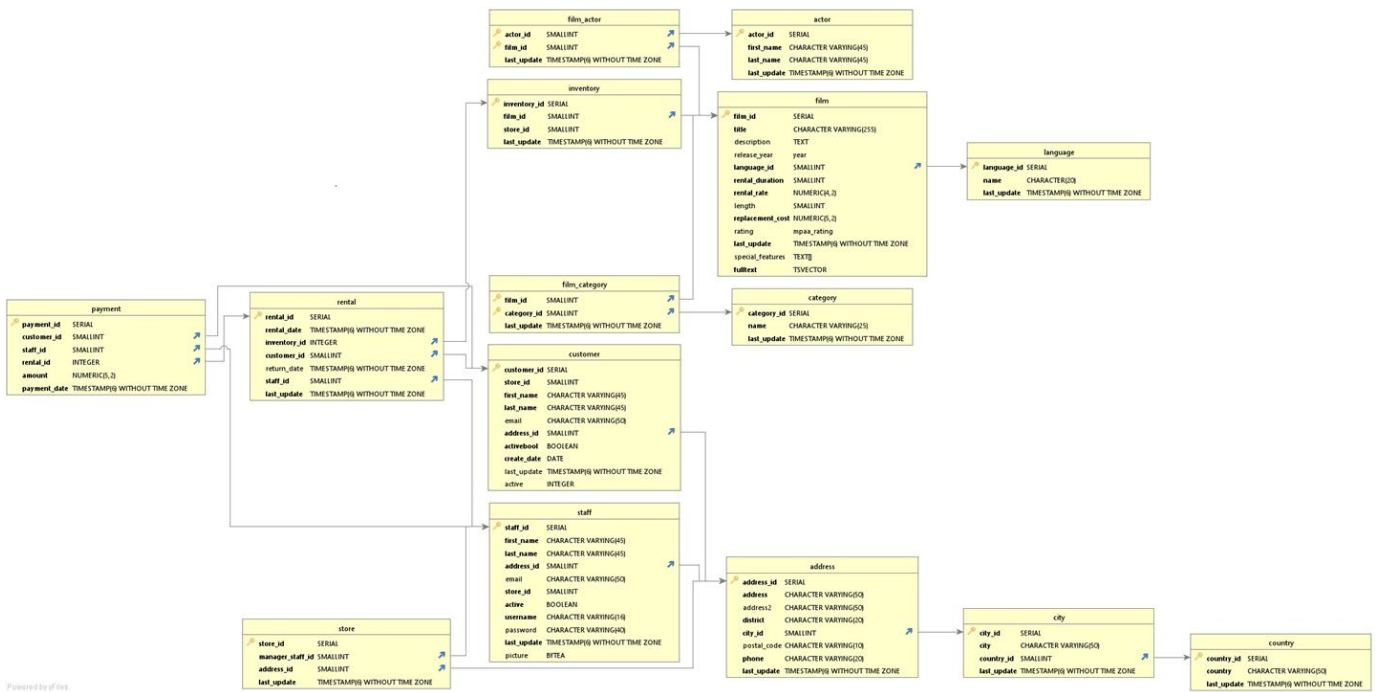
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Definitions:

Primary Key: A unique identifier for each record in the table.

Composite Key- A combination of columns that is used when no single column can uniquely identify the rows in a table.

Foreign Key- A column or set of columns that refer to the primary key in another table.

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

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

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

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

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

store

store_id	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
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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Tables:

actor

Key	Columns	Data Type	Description
Primary Key	actor_id	SERIAL	ID Assigned to Actor
	first_name	CHARACTER VARYING(45)	First Name of Actor
	last_name	CHARACTER VARYING(45)	Last Name of Actor
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links From	film_actor	film_actor.actor_id = actor.actor_id

address

Key	Columns	Data Type	Description
Primary	address_id	SERIAL	Employee Home Address ID
	address	CHARACTER VARYING(50)	Home Address of Employee, Line 1
	address2	CHARACTER VARYING(50)	Home Address of Employee, Line 2
	district	CHARACTER VARYING(20)	District
Foreign	city_id	SMALLINT	Code for City/Town of Employee
	postal_code	CHARACTER VARYING(10)	Zip Code for home address
	phone	CHARACTER VARYING(20)	Phone Number of Employee
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links from	customer	address.address_id = customer.address_id
Links from	staff	address.address_id = staff.address_id
Links from	store	address.address_id = store.address_id
Links to	city	address.city_id = city.city_id

category

Key	Columns	Data Type	Description
Primary Key	category_id	SERIAL	ID Number Assigned to Category of Movie
	name	CHARACTER VARYING(25)	Category Name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links from	film_category	category.category_id = film_category.category_id

city

Key	Columns	Data Type	Description
Primary Key	city_id	SERIAL	Code for City/Town
	city	CHARACTER VARYING(50)	Full Name of City/Town
Foreign Key	country_id	SMALLINT	Code for Country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links From	address	city.city_id = address.city_id
Links To	country	city.country_id = country.country_id

country

Key	Columns	Data Type	Description
Primary Key	country_id	SERIAL	Code for Country
	country	CHARACTER VARYING(50)	Full Name of Country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links From	city	country.city_id = city.city_id

customer

Key	Columns	Data Type	Description
Primary Key	customer_id	SERIAL	Customer ID Number
	store_id	SMALLINT	Store ID Number
	first_name	CHARACTER VARYING(45)	First name of customer
	last_name	CHARACTER VARYING(45)	Last name of customer
	email	CHARACTER VARYING(50)	Email address of customer
Foreign Key	address_id	SMALLINT	Home address of customer
	activebool	BOOLEAN	Activity or Inactivity of Customer
	create_date	DATE	Date of Account Creation
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date
	active	Integer	Account Activity Status

Linked with:

Key	Table	Join
Links from	payment	customer.customer_id = payment.customer_id
Links from	rental	customer.customer_id = rental.customer_id
Links to	address	address.address_id = customer.address_id

film_actor

Key	Columns	Data Type	Description
Composite, Foreign Key	actor_id	SMALLINT	ID Assigned to Actor
Composite, Foreign Key	film_id	SMALLINT	ID Number for film
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links to	actor_id	film_actor.actor_id = actor.actor_id
Links to	film	film_actor.film_id = film.film_id

film_category

Key	Columns	Data Type	Description
Composite, Foreign Key	film_id	SMALLINT	ID Number assigned to film
Composite, Foreign Key	category_id	SMALLINT	Number assigned to Film Category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links to	category	film_category.category_id = category.category_id
Links to	film	film_category.film_id = film.film_id

film

Key	Columns	Data Type	Description
Primary Key	film_id	SERIAL	Film ID Number
	title	CHARACTER VARYING(255)	Film Title
	description	TEXT	Description of the film
	release_year	year	Year of Film Release
Foreign Key	language_id	SMALLINT	Language in Film
	rental_duration	SMALLINT	Duration of Rental
	rental_rate	NUMERIC(5,2)	Cost of Film Rental
	length	SMALLINT	Film Length
	replacement_cost	NUMERIC(5,2)	Cost of Replacement
	rating	mpaa_rating	Rating of the Film
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Most Recent Status Date
	special_features	TEXT[]	Special Features Included with the film
	fulltext	TSVECTOR	Keywords associated with the film

Linked with:

Key	Table	Join
Links From	inventory	film.film_id = inventory.film_id
Links From	film_category	film_category.film_id = film.film_id
Links From	film_actor	film_actor.film_id = film.film_id
Links To	language	film.language_id = language.language_id

inventory

Key	Columns	Data Type	Description
Primary Key	inventory_id	SERIAL	ID Number for Item
Foreign Key	film_id	SMALLINT	ID Number for film
	store_id	SMALLINT	Store ID Number
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links From	rental	rental.inventory_id = inventory.inventory_id
Links To	film	inventory.film_id = film.film_id

language

Key	Columns	Data Type	Description
Primary Key	language_id	SERIAL	Language in Film
	name	CHARACTER(20)	Name of the Language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links From	film	film.language_id = language.language_id

payment

Key	Columns	Data Type	Description
Primary Key	payment_id	SERIAL	Payment ID number
Foreign Key	customer_id	SMALLINT	Customer ID number
Foreign Key	staff_id	SMALLINT	Staff ID number
Foreign Key	rental_id	INTEGER	Rental ID number
	amount	NUMERIC(5,2)	Payment amount
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Payment date

Linked with:

Key	Table	Join
Links To	customer	customer.customer_id = payment.customer_id
Links To	rental	payment.rental_id = rental.rental_id
Links To	staff	payment.staff_id = staff.staff_id

rental

Key	Columns	Data Type	Description
Primary Key	rental_id	SERIAL	Video Rental ID Number
	rental_date	TIMESTAMPS(6) WITHOUT TIME ZONE	Date of video rental checkout
Foreign Key	inventory_id	INTEGER	ID Number for Item
Foreign Key	customer_id	SMALLINT	Customer ID Number
	return_date	TIMESTAMPS(6) WITHOUT TIME ZONE	Date of video rental return
Foreign Key	staff_id	SMALLINT	Staff ID Number
	last_update	TIMESTAMPS(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked with:

Key	Table	Join
Links From	payment	rental.rental_id = payment.rental_id
Links To	inventory	inventory.inventory_id = rental.inventory_id
Links To	staff	rental.staff_id = staff.staff_id
Links To	customer	customer.customer_id = rental.customer_id

staff

Key	Columns	Data Type	Description
Primary Key	staff_id	SERIAL	ID Number of Staff Member
	first_name	CHARACTER VARYING(45)	First name of staff member
	last_name	CHARACTER VARYING(45)	Last name of staff member
Foreign Key	address_id	SMALLINT	Employee Home address ID
	email	CHARACTER VARYING(50)	Email address of employee
	store_id	SMALLINT	Store ID number
	active	BOOLEAN	Account Activity Status
	username	CHARACTER VARYING(16)	Staff Member Username
	password	CHARACTER VARYING(40)	Staff Account Password
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date
	picture	BYTEA	Picture of Staff Member

Linked with:

Key	Table	Join
Links From	rental	rental.staff_id = staff.staff_id
Links From	payment	payment.staff_id = staff.staff_id
Links From	store	staff.staff_id = store.staff_id
Links To	address	address.address_id = staff.address_id

store

Key	Columns	Data Type	Description
Primary Key	store_id	SERIAL	ID Number for Store
Foreign Key	manager_staff_id	SMALLINT	ID Number for Manager
Foreign Key	address_id	SMALLINT	ID for store address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most Recent Status Date

Linked to:

Key	Table	Join
Links To	staff	store.store_id = staff.store_id
Links To	address	address.address_id = store.address_id