Rockbuster Data Dictionary

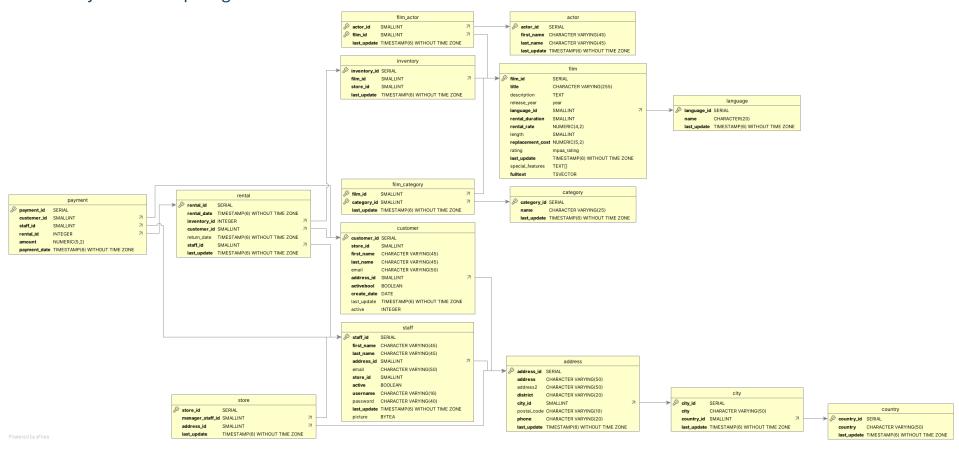
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1. Entity Relationship Diagram



2. Fact Tables

2.1 rental

Columns	Data Type	Description	Primary Key	Foreign Key
rental_id	serial	Incrementally increasing number. Unique for each record.	Yes	
rental_date	timestamp (6) without timezone	Timestamp of rental YYY-MM-DD hh:mm:ss		
inventory_id	integer	Unique ID linked to inventory		Yes
customer_id	smallint	Unique ID linked to customer		Yes
return_date	timestamp (6) without timezone	Timestamp of rental return YYY-MM-DD hh:mm:ss		
staff_id	smallint	Unique ID linked to staff		Yes
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: inventory, customer, staff

Linked from: payment

2.2 payment

Columns	Data Type	Description	Primary Key	Foreign Key
		Incrementally increasing number. Unqiue ID of each		
payment_id	serial	record.	Yes	
customer_id	smallint	Unique ID linked to customer		Yes
staff_id	smallint	Unique ID linked to staff		Yes
rental_id	integer	Unique ID linked to rental		Yes
amount	numeric(5,2)	Money received; decimal number		
		Timestamp when payment was received YYY-MM-DD		
payment_date	timestamp (6) without timezone	hh:mm:ss		

Links to: customer, staff, rental

Linked from: N/A

3. Dimension Tables

3.1 actor

Columns	Data Type	Description	Primary Key	Foreign Key
actor_id	serial	Incrementally increasing number. Unique for each record.	Yes	
first_name	varchar(45)	First name of actor		
last_name	varchar(45)	Last name of actor		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: N/A

Linked from: film_actor

3.2 address

Columns	Data Type	Description	Primary Key	Foreign Key
address_id	serial	Incrementally increasing number. Unique for each record.	Yes	
address	varchar	Street Address including house number		
address2	varchar	Additional space for address		
district	varchar	District, State, Province or city/town		
city_id	smallint	Unique ID for each city. Linked to city.		Yes
postal_code	varchar	Postal code		
phone	varchar	Phone number; not including country code		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: city

Linked from: customer, staff, store

3.3 category

Columns	Data Type	Description	Primary Key	Foreign Key
category_id	serial	Incrementally increasing number. Unique for each record.	Yes	
name	varchar(25)	Name of genre		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: N/A

Linked from: film_category

3.4 city

Columns	Data Type	Description	Primary Key	Foreign Key
city_id	serial	Incrementally increasing number. Unique for each record.	Yes	
city	varchar	Name of city in English		
country_id	smallint	Unique ID for each country. Linked to country		Yes
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: country Linked from: address

3.5 country

Columns	Data Type	Description	Primary Key	Foreign Key
country_id	serial	Incrementally increasing number. Unique for each record.	Yes	
country	varchar	Name of country in English		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: N/A Linked from: city

3.6 customer

Columns	Data Type	Description	Primary Key	Foreign Key
customer_id	serial	Incrementally increasing number. Unique for each record.	Yes	
store_id	smallint	Unique ID of each store. Linked to store.		Yes
first_name	varchar(45)	First name of customer		
last_name	varchar(45)	Last name of customer		
email	varchar(50)	Email address of customer		
address_id	smallint	Unique ID for each address. Linked to address.		Yes
		Boolean TRUE or FALSE statement indicating if the		
activebool	bool	customer is active		
create_date	date	Date when customer record was first created YYY-MM-DD		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		
		Binary True (1) or false (0) statement indicating if		
active	integer	customer is active		

Links to: address

Linked from: payment, rental

3.7 film

Columns	Data Type	Description	Primary Key	Foreign Key
film_id	serial	Incrementally increasing number. Unique for each record.	Yes	
title	varchar	Name of the film in English		
description	text	Text describing the film		
release_year	year	Release Year as YYYY		
language_id	smallint	Unique ID of each language. Linked to lanuage.		Yes
rental_duration	smallint	Rental duration i whole days		
rental_rate	numeric(4,2)	Rental rate per day		
length	smallint	Length in minutes		
replacement_cost	numeric(5,2)	Costs to replace movie if lost		
rating	mpaa_rating	Age classification		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		
special_features	_text	special features of the film		
fulltext	tsvector	keywords to classify the film		

Links to: language

Linked from: film_actor, inventory, film_category

3.8 film_actor

Columns	Data Type	Description	Primary Key	Foreign Key
actor_id	smallint	Unique ID of each actor. Linked to actor.	Combined	Yes
film_id	smallint	Unique ID of each movie. Linked to film.	Combined	Yes
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: actor, film Linked from: N/A

3.9 film_category

Columns	Data Type	Description	Primary Key	Foreign Key
category_id	smallint	Unique ID of each category. Linked to category	Combined	Yes
film_id	smallint	Unique ID of each movie. Linked to film.	Combined	Yes
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: category film Linked from: N/A

3.10 inventory

Columns	Data Type	Description	Primary Key	Foreign Key
inventory_id	serial	Incrementally increasing number. Unique for each record.	Yes	
film_id	smallint	Unique ID of each movie. Linked to film.		Yes
store_id	smallint	Unique ID of each store. Linked to store.		Yes
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: film, store Linked from: rental

3.11 language

Columns	Data Type	Description	Primary Key	Foreign Key
language_id	serial	Incrementally increasing number. Unique for each record.	Yes	
name	character(20)	Name of each language in English		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: N/A Linked from: film

3.12 staff

Columns	Data Type	Description	Primary Key	Foreign Key
staff_id	serial	Incrementally increasing number. Unique for each record.	Yes	
first_name	varchar(45)	First name of staff member		
last_name	varchar(45)	Last name of staff member		
address_id	Smallint	Unique ID of each address. Linked to adress		Yes
email	varchar(50	Email address of staff member		
store_id	smallint	Store id of staff member. Linked to store.		Yes
		Boolean TRUE or FALSE statement indicating if the staff		
active	bool	member is currently employed		
username	varchar(16)	Username of staff member		
password	varchar(40)	Password as hash of staff member		
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		
picture	bytea	Photo of staff member		

Links to: address

Linked from: store, payment, rental

3.13 store

Columns	Data Type	Description	Primary Key	Foreign Key
store_id	serial	Incrementally increasing number. Unique for each record.	Yes	
manager_staff_id	smallint	Unique ID of each manager. Not linked to staff.		Yes
address_id	smallint	Unique ID of each address. Linked to adress		Yes
last_update	timestamp (6) without timezone	Timestamp of last update of record YYY-MM-DD hh:mm:ss		

Links to: staff, address Linked from: N/A