



Rockbuster Stealth

Data Dictionary

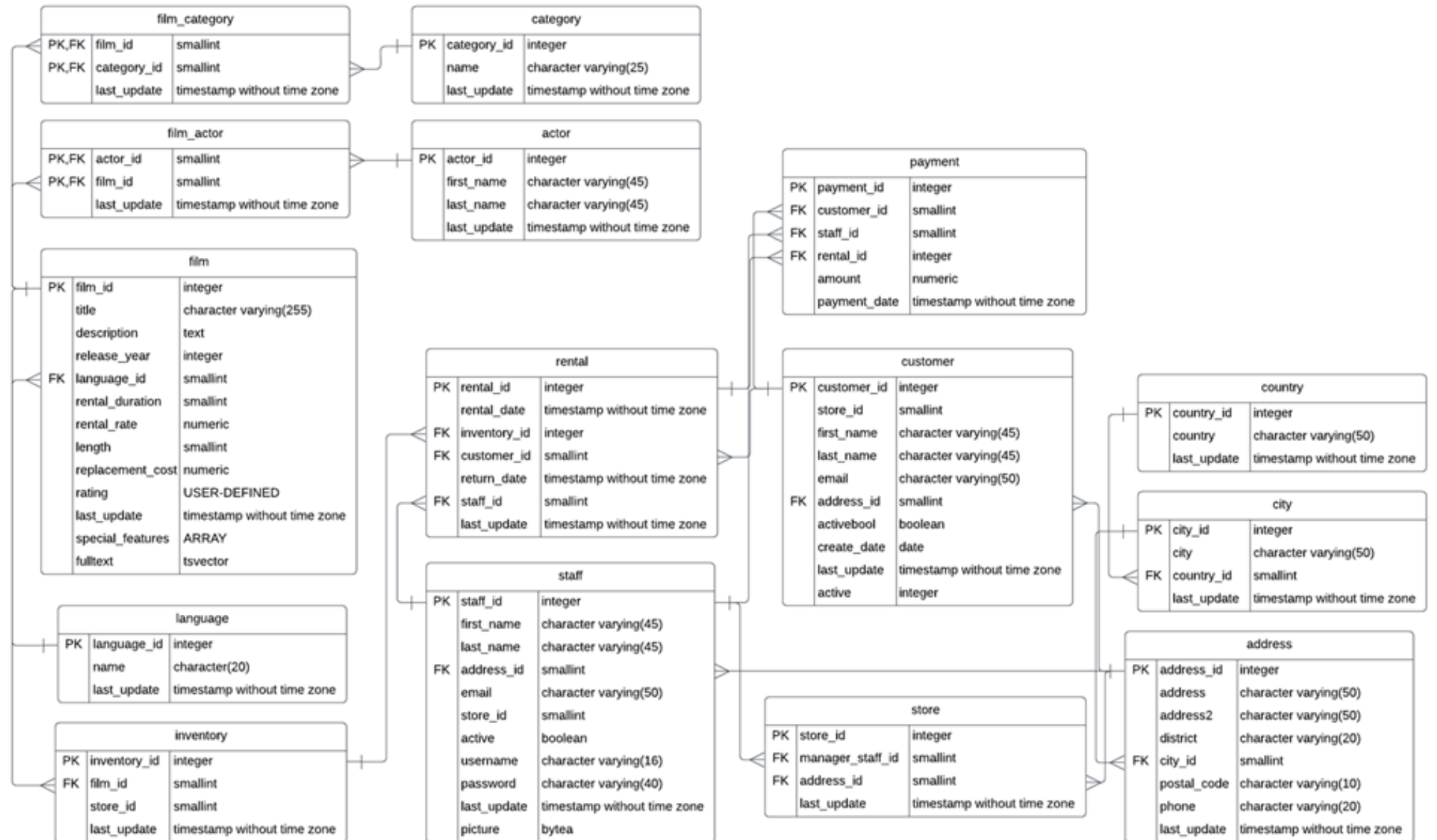
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1. Entity Relationship Diagram



2. Fact Tables

2.1 Payment Table

Column name	Data type	Description	Key	Links to	Links from
payment_id	integer	number assigned to payment	Primary key		
customer_id	smallint	number assigned to customer	Foreign key	customer	
staff_id	smallint	number assigned to employee	Foreign key	staff	
rental_id	integer	number assigned to rental	Foreign key	rental	
amount	numeric	amount paid			
payment_date	timestamp without time zone	date of payment			

2.2 Rental Table

Column name	Data type	Description	Key	Links to	Links from
rental_id	integer	number assigned to rental	Primary key		payment
rental_date	timestamp without time zone	date when rent starts			
inventory_id	integer	number assigned to item locally	Foreign key	inventory	
customer_id	smallint	number assigned to customer	Foreign key	customer	
return_date	timestamp without time zone	date when rent ends			
staff_id	smallint	number assigned to employee	Foreign key	staff	
last_update	timestamp without time zone	date when information updated in database			

3. Dimension Tables

3.1 Film Table

Column name	Data type	Description	Key	Links to	Links from
film_id	integer	number assigned to film	Primary key		film category, film actor, inventory
title	smallint	film title			
description	text	film description			
release_year	integer	release year of film			
language_id	smallint	number assigned to film language	Foreign key	language	
rental_duration	smallint	length of film rental			
rental_rate	numeric	price of film rental			
length	smallint	length of film			
replacement_cost	numeric	replacement cost of film			
rating	USER_DEFINED	film rating			
last_update	timestamp without time zone	date when information updated in database			
special_features	ARRAY	special features included with film			
fulltext	tsvector	keywords associated with film			

3. Dimension Tables

3.2 Actor Table

Column name	Data type	Description	Key	Links to	Links from
actor_id	integer	number assigned to actor	Primary key		film actor
first_name	character varying (45)	first name of actor			
last_name	character varying (45)	last name of actor			
last_update	timestamp without time zone	date when information updated in database			

3.3 Film Category Table

Column name	Data type	Description	Key	Links to	Links from
film_id	smallint	number assigned to film	Foreign key	film	
category_id	smallint	number assigned to genre	Foreign key	actor	
last_update	timestamp without time zone	date when information updated in database			

3.4 Category Table

Column name	Data type	Description	Key	Links to	Links from
category_id	integer	number assigned to genre	Primary key		film category
name	character varying(25)	name of genre			
last_update	timestamp without time zone	date when information updated in database			

3. Dimension Tables

3.5 Inventory Table

Column name	Data type	Description	Key	Links to	Links from
inventory_id	integer	number assigned to item	Primary key		rental
film_id	smallint	number assigned to film	Foreign key	film	
store_id	smallint	number assigned to store			
last_update	timestamp without time zone	date when information updated in database			

3.6 Language Table

Column name	Data type	Description	Key	Links to	Links from
language_id	integer	number assigned to language	Primary key		film
name	character(20)	language name			
last_update	timestamp without time zone	date when information updated in database			

3.7 Store Table

Column name	Data type	Description	Key	Links to	Links from
store_id	integer	number assigned to store	Primary key		
manager_staff_id	smallint	number assigned to store manager	Foreign key	staff	
address_id	smallint	number assigned to store address	Foreign key	address	
last_update	timestamp without time zone	date when information updated in database			

3. Dimension Tables

3.8 Customer Table

Column name	Data type	Description	Key	Links to	Links from
customer_id	integer	number assigned to employee	Primary key		rental, payment
store_id	smallint	number assigned to store			
first_name	character varying (45)	first name of customer			
last_name	character varying (45)	last name of customer			
email	character varying (50)	customer's email			
address_id	smallint	number assigned to customer's address	Foreign key	address	
activebool	boolean	active status of customer			
create_date	date	date when customer's info was created			
last_update	timestamp without time zone	date when information updated in database			
active	integer	active status of customer			

3.9. Film Actor Table

Column name	Data type	Description	Key	Links to	Links from
actor_id	smallint	number assigned to actor	Primary key	actor	
film_id	smallint	number assigned to film	Foreign key	film	
last_update	timestamp without time zone	date when information updated in database			

3. Dimension Tables

3.10 Staff Table

Column name	Data type	Description	Key	Links to	Links from
staff_id	integer	number assigned to employee	Primary key		rental, payment, store
first_name	character varying (45)	first name of employee			
last_name	character varying (45)	last name of employee			
address_id	smallint	number assigned to employee's address	Foreign key	address	
email	character varying (45)	employee's email			
store_id	smallint	number assigned to store			
active	boolean	employee's active status			
username	character varying (16)	employee's username			
password	character varying (40)	employee's password			
last_update	timestamp without time zone	date when information updated in database			
picture	bytea	picture of employee			

3.11 Country Table

Column name	Data type	Description	Key	Links to	Links from
country_id	integer	number assigned to country	Primary key		address
country	character varying (50)	country's name	Foreign key	country	
last_update	timestamp without time zone	date when information updated in database			

3. Dimension Tables

3.12 Address Table

Column name	Data type	Description	Key	Links to	Links from
address_id	integer	number assigned to address	Primary key		customer, staff, store
address	character varying (50)	street address			
address2	character varying (50)	additional street address			
district	character varying (20)	district name			
city_id	smallint	number assigned to city	Foreign key	city	
postal code	character varying (10)	postal code			
phone	character varying (20)	phone number			
last_update	timestamp without time zone	date when information updated in database			

3.13 City Table

Column name	Data type	Description	Key	Links to	Links from
city_id	integer	number assigned to city	Primary key		address
city	character varying (50)	city's name			
country_id	smallint	number assigned to country	Foreign key	country	
last_update	timestamp without time zone	date when information updated in database			