Rockbuster Stealth

DATA DICTIONARY

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DATA ANALYST AT ROCKBUSTER | 11/7/2023

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Entity Relationship Diagram
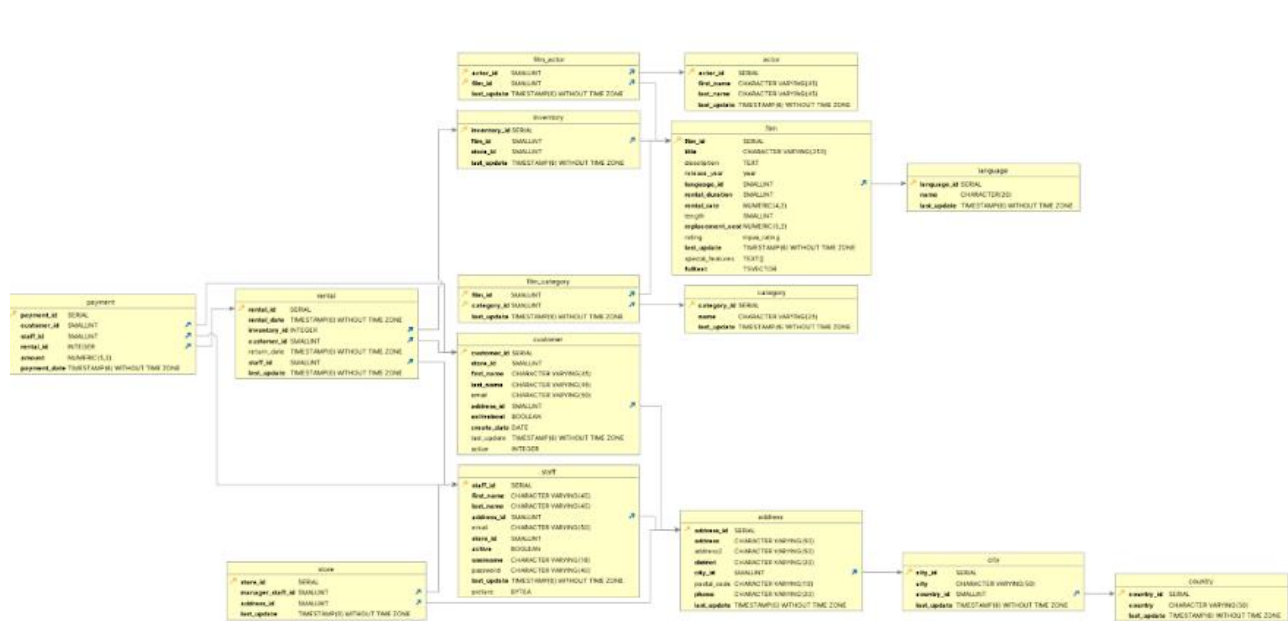
Fact Tables

1. Rental

Columns	Data Type	Description
rental_id	SERIAL	Unique number assigned to each movie rental
rental_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the movie rental occurred
inventory_id	INTEGER	Unique number assigned to each movie in the inventory
customer_id	SMALLINT	Unique number assigned to each customer
return_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when movie rental was returned

staff_id	SMALLINT	Unique number assigned to each staff member
last _updated	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

2. Payment

Columns	Data Type	Description
payment_id	SERIAL	Unique number assigned to each payment
customer_id	SMALLINT	Unique number assigned to each customer
staff_id	SMALLINT	Unique number assigned to each staff member
rental_id	INTEGER	Unique number assigned to each movie rental
amount	NUMERIC (5,2)	Dollar amount of each rental
payment_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the rental was made

Dimension Tables

1. Store

Columns	Data Type	Description
store_id	SERIAL	Unique number assigned to each store
manager_staff_id	SMALLINT	Unique number assigned to each manager at each store
address_id	SMALLINT	Unique number assigned to each store identifying the store address
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

2. Film Actor

Columns	Data Type	Description
actor_id	SMALLINT	Unique number assigned to each actor
film_id	SMALLINT	Unique number assigned to each film
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

3. Inventory

Columns	Data Type	Description
inventory_id	SERIAL	Unique number assigned to each movie in inventory
film_id	SMALLINT	Unique number assigned to each film
store_id	SMALLINT	Unique number assigned to each store
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

4. Film Category

Columns	Data Type	Description
film_id	SMALLINT	Unique number assigned to each film
category_id	SMALLINT	Unique number assigned to each film category
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

5. Customer

Columns	Data Type	Description
customer_id	SMALLINT	Unique number assigned to each customer
store_id	SMALLINT	Unique number assigned to each store

first_name	CHARACTER VARYING (45)	First name of each customer
last_name	CHARACTER VARYING (45)	Last name of each customer
email	CHARACTER VARYING (50)	Email address for each customer
address_id	SMALLINT	Unique number assigned to each customer identifying the customer's address
activebool	BOOLEAN	Is the customer active? True or False?
create_date	DATE	The date the customer's account was created
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated
active	INTEGER	0 or 1 indicates the customer's active status

6. Staff

Columns	Data Type	Description
staff_id	SERIAL	Unique number assigned to each staff member
fist_name	CHARACTER VARYING (45)	First name of each staff member
last_name	CHARACTER VARYING (45)	Last name of each staff member
address_id	SMALLINT	Unique number assigned to each staff member identifying their address
email	CHARACTER VARYING (50)	Email address for each staff member
store_id	SMALLINT	Unique number assigned to each store
active	BOOLEAN	Is the staff member active? True or False?
username	CHARACTER VARYING (16)	Username for each staff member
password	CHARACTER VARYING (40)	Password for each staff member
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated
picture	BYTEA	Photo of each staff member

7. Actor

Columns	Data Type	Description
actor_id	SERIAL	Unique number assigned to each actor
first_name	CHARACTER VARYING (45)	First name of each actor
last_name	CHARACTER VARYING (45)	Last name of each actor
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

8. Film

Columns	Data Type	Description
film_id	SERIAL	Unique number assigned to each film
title	CHARACTER VARYING (255)	Title of the film
description	TEXT	Film description
release_year	YEAR	The year the film was released
language_id	SMALLINT	Unique number assigned to each film identifying the film's language
rental_duration	SMALLINT	The number of days the movie was rented for
rental_rate	NUMERIC (4,2)	Dollar amount the film was rented for
length	SMALLINT	Number of minutes of each film
replacement_cost	NUMERIC (5,2)	Dollar amount to replace the film
rating	MPAA_RATING	Each film's rating
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated
special_features	TEXT	The special features included with each film
fulltext	TYSECTOR	Keywords linked to each film that customers might use to search for a film

9. Category

Columns	Data Type	Description
category_id	SERIAL	Unique number assigned to each film category
name	CHARACTER VARYING (25)	Category name
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

10. Language

Columns	Data Type	Description
language_id	SERIAL	Unique number assigned to each film to identify the film's language
name	CHARACTER (20)	Language name
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

11. Address

Columns	Data Type	Description
address_id	SERIAL	Unique number assigned to each store, staff member, and customer identifying their address
address	CHARACTER VARYING (50)	Street address
address2	CHARACTER VARYING (50)	2nd part of address identifying door numbers, suite numbers, unit numbers, etc.
district	CHARACTER VARYING (20)	State, province, or territory of the address
city_id	SMALLINT	Unique number assigned to each city
postal_code	CHARACTER VARYING (10)	Postal code for each address
phone	CHARACTER VARYING (20)	Phone number for each address

last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

12. City

Columns	Data Type	Description
city_id	SERIAL	Unique number assigned to each city
city	CHARACTER VARYING (50)	Name of the city
country_id	SMALLINT	Unique number assigned to each country
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated

13. Country

Columns	Data Type	Description
country_id	SERIAL	Unique number assigned to each country
country	CHARACTER VARYING (50)	Name of the country
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of when the table was last updated