Rockbuster

Data Dictionary

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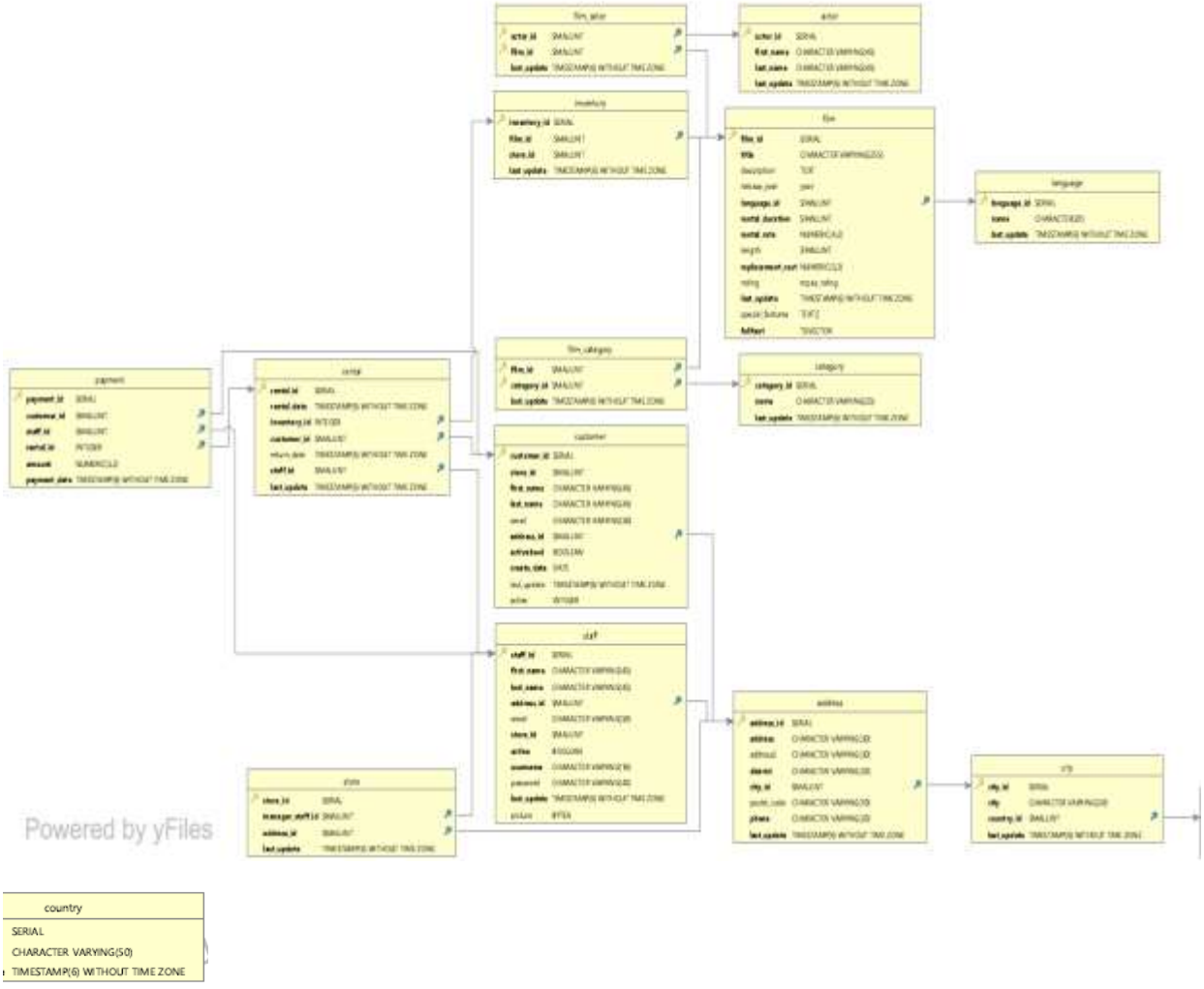
Table of Contents

1. ERD……3

2. **Fact Tables……4**
3. Rental……4
4. **Dimension Tables……5-10**
5. Payment……5
6. Store……5
7. Film Actor……6
8. Film Category……6
9. Customer……7
10. Staff……8
11. Address……9
12. City……10
13. Country……10
14. Actor……11
15. Inventory……11
16. Film……12
17. Category……13
18. Language……13

ERD


Powered by yFiles
country
SERIAL
CHARACTER VARYING(50)
TIMESTAMP(6) WITHOUT TIME ZONE

Fact Tables

Rental:

Column	**Data Type**	**Description**
Rental_id	SERIAL	Sequential Integer: Unique number assigned to rentals
Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time that the rental took place
Inventory_id	INTEGER	Whole number indicating the id for inventory
Customer_id	SMALLINT	Small whole numbers indicating assigned ID # to each customer
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the return date
Staff_id	SMALLINT	Small whole numbers indicating assigned ID # to the employee
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update to the renter

Primary Key: rental_id

Links to: Staff, Customer, Inventory

Links from: Payment

Dimension Tables:

Payment:

Column	**Data Type**	**Description**
Payment_id	SERIAL	Sequential Integer: Unique number assigned to payments
Customer_id	SMALLINT	Small whole numbers indicating assigned ID # to each customer
Staff_id	SMALLINT	Small whole numbers indicating assigned ID # to the employee
Rental_id	INTEGER	Whole numbers indicating an assigned ID number for the rental
Amount	NUMERIC(5,2)	Indicates 2 fractional digits for the payment amount
Payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time that the payment took place

Primary Key: Payment_id

Links to: Rental, Staff, Customer

Store:

Column	**Data Type**	**Description**
Store_id	SERIAL	Sequential integer assigned to each store
Manager_staff_id	SMALLINT	Small whole number uniquely assigned to the store manager
Address_id	SMALLINT	Small whole number uniquely assigned to the store address

Primary Key: store_id

Links to: Staff, Address

Film Actor:

Column	Data Type	Description
Actor_id	SMALLINT	Small whole number uniquely assigned to the actor in the film
Film_id	SMALLINT	Small whole number uniquely assigned to the film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: actor_id, Film_id

Links to: Actor, Film

Film Category:

Column	Data Type	Description
Film_id	SMALLINT	small whole numbers uniquely assigned to the films
category_id	SMAILLINT	Small whole numbers assigned to categories of listed movies
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: film_id, category_id

Links to: Category, Film

Customer:

Column	Data Type	Description
Customer_id	SERIAL	Sequential integer assigned to each customer
Store_id	SMALLINT	Small whole number assigned to individual stores
First_name	CHARACTER VARYING (45)	Can contain numbers, letters, or special and has a max 45 characters indicating the first name of the customer
Last_name	CHARACTER VARYING (45)	Can contain numbers, letters, or special and has a max 45 characters indicating the last name of the customer
Email	CHARACTER VARYING (50)	Can contain numbers, letters, or special and has a max 50 characters indicating the email of the customer
Address_id	SMALLINT	Small whole numbers assigned to the customer's address
Activebool	BOOLEAN	Contains either a true or false
Create_date	DATE	Date of data creation
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update
active	INTEGER	Whole number indicating if the customer is active

Primary Key: customer_id

Links From: Rental, Payment

Links to: Address

Staff:

Column	Data Type	Description
Staff_id	SERIAL	Sequential integer assigned to each employee
First_name	CHARACTER VARYING(45)	Can contain numbers, letters, or special and has a max 45 characters indicating the first name of the employee
Last_name	CHARACTER VARYING(45)	Can contain numbers, letters, or special and has a max 45 characters indicating the last name of the employee
Address_id	SMALLINT	Small whole number uniquely assigned to the employee address
Email	CHARACTER VARYING(50)	Can contain numbers, letters, or special and has a max 50 characters indicating the email of the employee
Store_id	SMALLINT	Small whole number assigned to individual stores
Active	BOOLEAN	Contains either a true or false
Username	CHARACTER VARYING(16)	Can contain numbers, letters, or special and has a max 16 characters indicating the employee username in the system
Password	CHARACTER VARYING(40)	Can contain numbers, letters, or special and has a max 40 characters indicating the employee password in the system
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update
picture	BYTEA	Stores varying strings of 1's and 0's

Primary Key: staff_id

Links From: Store, Payment, Rental

Links to: Address

Address:

Column	Data Type	Description
Address_id	SERIAL	Small whole number uniquely assigned to the store address
Address	CHARCATER VARYING(50)	Can contain numbers, letters, or special and has a max 50 characters indicating the store address
Address s2	CHARCATER VARYING(50)	Can contain numbers, letters, or special and has a max 50 characters indicating the second line of the store address
District	CHARCATER VARYING(20)	Can contain numbers, letters, or special and has a max 20 characters indicating the name of the store district
City_id	SMALLINT	Small whole number assigned to cities
Postal_code	CHARCATER VARYING(10)	Can contain numbers, letters, or special and has a max 10 characters indicating the postal code of the store
Phone	CHARCATER VARYING(20)	Can contain numbers, letters, or special and has a max 20 characters indicating the phone of the store
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: address_id

Links From: Store, Staff, Customer

Links to: City

City:

Column	Data Type	Description
City_id	SERIAL	Small whole number uniquely assigned to the city of the store
City	CHARACTER VARYING(50)	Can contain numbers, letters, or special and has a max 50 characters indicating the city name
Country_id	SMALLINT	Small whole number assigned to the country
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: city_id

Links From: Address

Links to: Country

Country:

Column	Data Type	Description
Country_id	SERIAL	Small whole number uniquely assigned to the country of the store
Country	CHARACTER VARYING(50)	Can contain numbers, letters, or special and has a max 50 characters indicating the country name
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: country_id

Links From: City

Actor:

Column	Data Type	Description
Actor_id	SERIAL	Sequential integer assigned to each actor
First_name	CHARACTER VARYING(45)	Can contain numbers, letters, or special and has a max 45 characters indicating the first name of the actor
Last_name	CHARACTER VARYING(45)	Can contain numbers, letters, or special and has a max 45 characters indicating the last name of the actor
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: actor_id

Links From: Film_Actor

Inventory:

Column	Data Type	Description
Inventory_id	SERIAL	Sequential integer assigned to inventory of the movies
Film_id	SMALLINT	Small whole number uniquely assigned to the film
Store_id	SMALLINT	Small whole number uniquely assigned to the store
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: inventory_id

Links From: Rental

Links to: Film

Film:

Column	Data Type	Description
Film_id	SERIAL	Sequential integer assigned to the movie
Title	CHARACTER VARYING(255)	Can contain numbers, letters, or special and has a max 255 characters indicating the name of the movie
Description	TEXT	Indicates text description of the movie
Release_year	Year	Year the movie was released
Language_id	SMALLINT	Small whole number assigned to the movie language
Rental_duration	SMALLINT	Small whole number assigned to how long the rental lasts
Rental_rate	NUMERIC(4,2)	Indicates the rental price
Length	SMALLINT	Small whole number assigned to the length of the movie
Replacement_cost	Numeric(5,2)	Indicates the price to replace the movie if not returned or lost
Rating	Mpaa_rating	Indicates the rating of the movie
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update
Special_features	TEXT	Indicates text describing any special features of the movie
fulltext	TSVECTOR	Supports full text search about the movie

Primary Key: film_id

Links From: Inventory, Film_Actor, Film_Cateory

Links to: Language

Category:

Column	Data Type	Description
Category_id	SERIAL	Sequential integer assigned to the category
Name	CHARACTER VARYING(25)	Can contain numbers, letters, or special and has a max 25 characters indicating the name of the movie category
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: category_id

Links From: Film_Category

Language:

Column	Data Type	Description
Language_id	SERIAL	Sequential integer assigned to the language in the movie
Name	CHARACTER(20)	Can contain numbers, letters, or special and has a max 20 characters indicating the language of the movie
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Indicates the date and time of the last update

Primary Key: language_id

Links From: Film