Rockbuster Stealth

Data dictionary

September2023

1. Rockbuster Stealth

This is a sample of the Rockbuster Stealth database - exported then to PostgreSQL for further analyses.

The Rockbuster Stealth database supports various information on customers, staff, movies, payments and others.

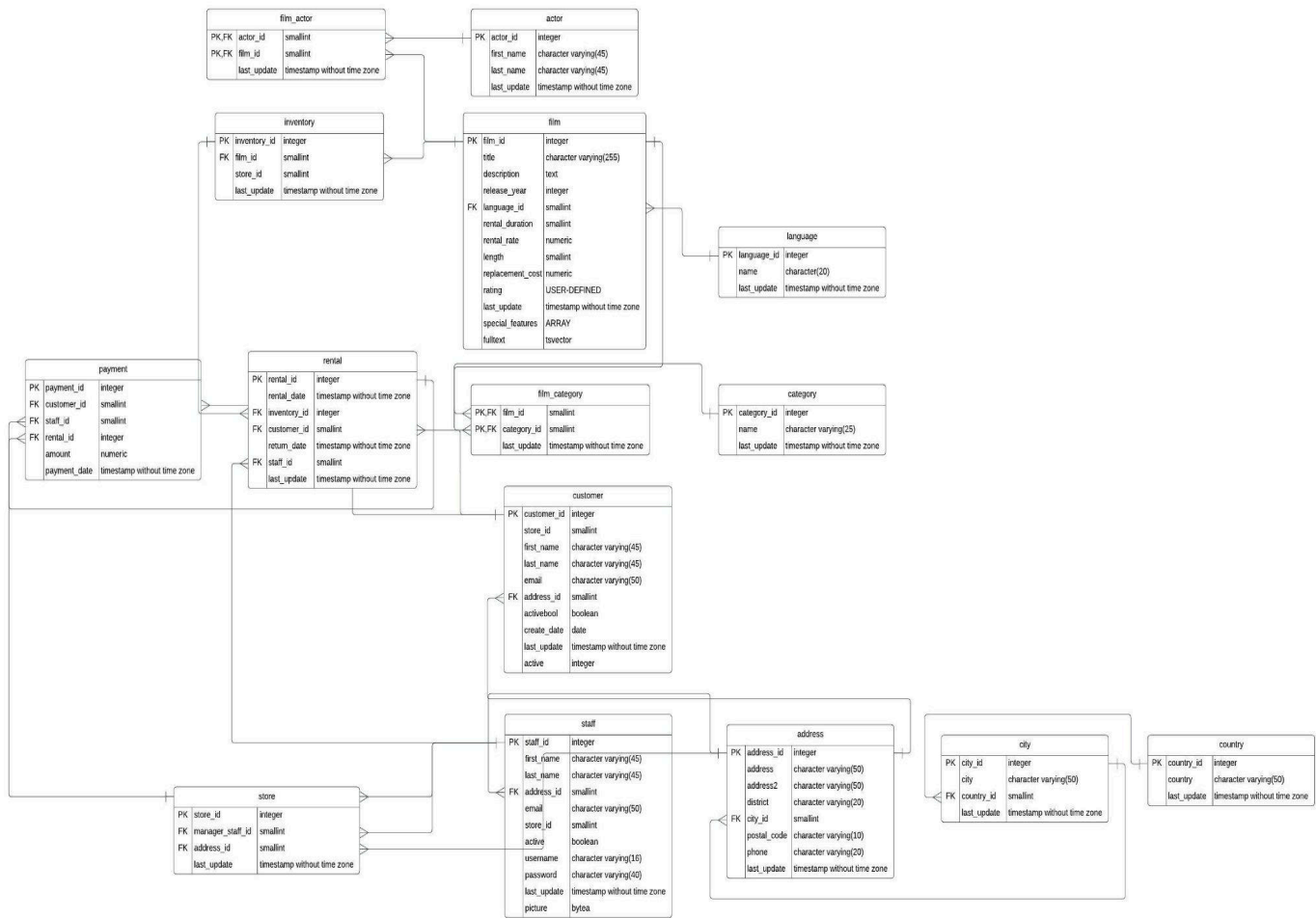You can download Rockbuster Stealth database with the following link below :
http://www.postgresqltutorial.com/wp-content/uploads/2019/05/dvdrental.zip

2. Glossary

🔑 Primary key
🗝️ Foreign key

3. ERD (Entity Relationship Diagram)

4. FACTS TABLES

- **4.1 Payment**

Columns	Data Type	Description
Payment_id 🔑	Serial	Unique payment identifier
Customer_id 🗝	Small Int	Unique customer identifier
Staff_id 🗝	Small Int	Unique staff identifier
Rental_id 🗝	Integer	Unique rental identifier
Amount	Numeric(5,2)	Amount of payment received
Payment_date	Timestamp w/o Time Zone	Date of payment

Links :

Rental: rental_id => rental_id
Customer: customer_id => customer_id
Staff: staff_id => staff_id

- **4.2 Rental**

Columns	Data Type	Description
Rental_id 🔑	Serial	Unique rental identifier
Rental_date	Timestamp w/o Time Zone	Date of rental
Inventory_id 🗝	Integer	Unique inventory identifier
Customer_id 🗝	Small Int	Unique customer identifier
Return_date	Timestamp w/o Time Zone	Date of return
Staff_id	Small Int	Unique staff identifier
Last_update	Timestamp w/o Time Zone	Time of last update

Links :

Inventory: inventory_id => inventory_id
Customer: customer_id => customer_id
Staff: staff_id => staff_id

Payment: rental_id => rental_id

- **4.3 Film_actor**

Column	Data Type	Description
Actor_id 🔑 🗝	Small Int	Unique identifier of actor
Film_id 🔑 🗝	Small Int	Unique identifier of film
Last_update	Timestamp w/o Time Zone	Time of last update

Links :

Actor: actor_id => actor_id
Film_category: film_id => film_id

- **4.3 Film_category**

Columns	Data Type	Description
Film_id 🔑 🗝	Small Int	Unique identifier of film
Category_id 🔑 🗝	Small Int	Unique identifier of category
Last_update	Timestamp w/o Time Zone	Time of last update

Links :

Film_category: film_id => film_id
Category: category_id => category_id

- **4.3 Store**

Columns	Data Type	Description
store_id 🔑	Integer	Unique identifier of store
manager_staff_id 🔑	Small Int	Unique identifier of manager staff
address_id 🔑	Small Int	Unique identifier of address
Last_update	Timestamp w/o Time Zone	Time of last update

Links :

Staff: address_id => address_id
Address: address_id => address_id

- **5.1 Inventory**

Columns	Data Type	Description
Inventory_id 🔑	Serial	Unique identifier of inventory
Film_id 🔑	Small Int	Unique identifier of film
Store_id	Small Int	Unique identifier of store
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

Film: film_id => film_id
Rental: inventory_id => inventory_id

- **5.2 Actor**

Columns	Data Type	Description
Actor_id 🔑	Serial	Unique identifier of actor
First_name	Character Varying(45)	First name of actor
Last_name	Character Varying(45)	Last name of actor
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

Film_actor: actor_id => actor_id

- **5.3 Film**

Columns	Data Type	Description
Film_id 🔑	Serial	Unique identifier of film
Title	Character / Varying(255)	Title of film
Description	Text	Description of film
Release_year	Year	Year of film release
Language_id 🗝	Small Int	Language of film
Rental_duration	Small Int	Duration of rental
Rental_rate	Numeric(4,2)	Rate of rental
Length	Small Int	Length of film
Replacement_cost	Numeric(5,2)	Replacement cost of film
Rating	Mpaa_rating	Rating of film
Last_update	Timestamp w/o Time Zone	Time of last update
Special_features	Text[]	Special features of film
Fulltext	Tsvector	Film index; contains count of key words in description

● Links :

Language: language_id => language_id

Inventory: film_id =>film_id

● **5.4 Language**

Columns	Data Type	Description
Language_id 🔑	Serial	Unique identifier of language
Name	Character Varying(20)	Name of language
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

Film: language_id => language_id

● **5.5 Category**

Columns	Data Type	Description
Category_id 🔑	Serial	Unique identifier of category
Name	Character Varying(25)	Name of category
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

Film_category: category_id => category_id

- **5.5 Customer**

Columns	Data Type	Description
Customer_id 🔑	Small Int	Unique customer identifier
Store_id	Small Int	Unique identifier of store
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
Address_id 🔑	Small Int Unique identifier of address	Unique identifier of address
Activebool	Boolean	Whether customer is active
Create_date	Date	Date of customer profile creation
Last_update	Timestamp w/o Time Zone	Time of last update
Active	Integer	Active status represented by 0 or 1

| ● Links:

Address: address_id => address_id

Payment: customer_id => customer_id |
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- **5.6 Staff**

Columns	Data Type	Description
Staff_id 🔑	Serial	Unique identifier of staff member
First_name	Character Varying(45)	First name of staff member
Last_name	Character Varying(45)	Last name of staff member

Address_id 🔑	Small Int	Unique identifier of address
Email	Character Varying(50)	Email address of staff member
Store_id	Small Int	Unique identifier of store
Active	Boolean	Whether staff member is active
username	Character Varying(16)	Staff member's username
Password	Character Varying(40)	Staff member's password
Last_update	Timestamp w/o Time Zone	Time of last update
Picture	Bytea	Picture of staff member

● Links:

Address: address_id => address_id

Payment: staff_id => staff_id

● **5.6 Address**

Columns	Data Type	Description
Address_id 🔑	Serial	Unique identifier of address
Address	Character Varying(50)	First line of address
Address2	Character Varying(50)	Second line of address
District	Character Varying(20)	District of address
City_id 🔑	Small Int	Unique identifier of city
Postal_code	Character Varying(10)	Postal code associated with address
Phone	Character Varying(20)	Phone number for address
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

City: city_id => city_id

Staff: address_id => address_id

● **5.6 City**

Columns	Data Type	Description
City_id 🔑	Serial	Unique identifier of city
City	Character Varying(50)	Name of city
Country_id 🔑	Small Int	Unique identifier of country
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

Country: country_id => country_id

Address: city_id => city_id

- **5.6 Country**

Columns	Data Type	Description
Country_id 🔑	Serial	Unique identifier of country
Country	Character Varying(50)	Name of country
Last_update	Timestamp w/o Time Zone	Time of last update

● Links:

City: country_id => country_id