Rockbuster Stealth

Data Dictionary

By Ubaniomate Apeji

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1. ROCKBUSTER STEALTH

This is a sample of the Rockbuster Stealth database,

exported to PostgreSQL for further analysis.

This database contains 2 fact tables and 13 dimension tables.
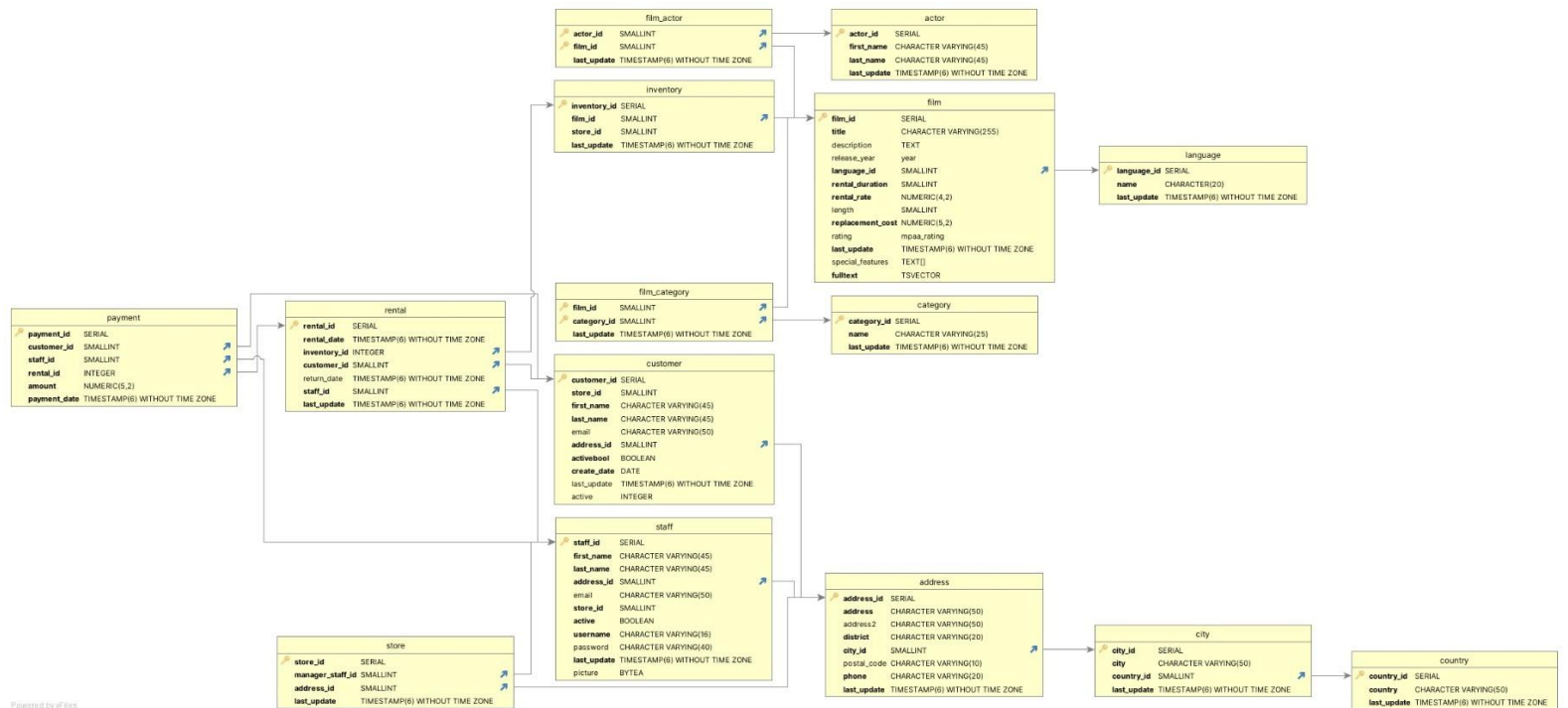
ERD on next page was made using DBVisualizer.

To download the Rockbuster Stealth database, click the

following link: ROCKBUSTER

2. LEGEND

🔑 Primary key

🔨 Foreign key

3. ENTITY RELATIONSHIP DIAGRAM (ERD)

4. FACT TABLES

4.1. Table: payment

Payment information for rented movie.

	Column name	Data type	Description
PAYMENT			
🔑	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
	payment_date	Timestamp without time zone	Date and time record of payment

LINKS TO	
Table name	Join
customer	**payment**.customer_id = customer.customer_id
rental	**payment**.rental_id = rental.rental_id
staff	**payment**.staff_id = staff.staff_id

LINKED FROM	
Table name	Join
N/A	N/A

4.2. Table: rental

Information about rented movie.

	Column name	Data type	Description
RENTAL			
🔑	rental_id	Serial	Unique rental identifier
	rental_date	Timestamp without time zone	Date and time of rental
➹	inventory_id	integer	Unique inventory identifier
➹	customer_id	Small int	Unique customer identifier
	return_date	Timestamp without time zone	Date and time of rental
➹	staff_id	Small int	Unique staff identifier
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
customer	**rental**.customer_id = customer.customer_id
inventory	**rental**.inventory_id = inventory.inventory_id
staff	**rental**.staff_id = staff.staff_id

LINKED FROM	
Table name	**Join**
payment	**rental**.rental_id = payment.rental_id

5. DIMENSION TABLES

5.1. Table: actor

Information about actor's full name.

	Column name	Data type	Description
ACTOR			
🔑	actor_id	Serial	Unique actor identifier.
	first_name	Character varying (45)	Actor's first name
	last_name	Character varying (45)	Actor's last name
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
N/A	N/A

LINKED FROM	
Table name	**Join**
film_actor	**actor**.actor_id = film_actor.actor_id

5.2. Table: address

Information about street address of customer, store or employee.

	Column name	Data type	Description
ADDRESS			
🔑	address_id	serial	Address' unique identifier
	address	Character varying (50)	First line of address
	address2	Character varying (50)	Second line of address
	district	Character varying (20)	Address' district
➤	city_id	Small Int	City unique identifier
	postal_code	Character varying (10)	Address' postal code
	phone	Character varying (10)	Address' phone number
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
city	**address**.city_id = city.city_id

LINKED FROM	
Table name	**Join**
customer	**address**.address_id = customer.address_id
staff	**address**.address_id = staff.address_id
store	**address**.address_id = store.address_id

5.3. Table: category

Information about movie's genre.

CATEGORY			
	Column name	**Data type**	**Description**
🔑	category_id	serial	Category's unique identifier
	name	Character varying (25)	Category's name
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
N/A	N/A

LINKED FROM	
Table name	**Join**
film_category	**category**.category_id = film_category.category_id

5.4. Table: city

Information about address' city of customer, store or employee.

CITY			
	Column name	**Data type**	**Description**
🔑	city_id	serial	City's unique identifier
	city	Character varying (50)	City name
➤	country_id	Small Int	Country's unique identifier
	last_update	Timestamp without time	Date and time of latest update

LINKS TO	
Table name	**Join**
country	**city**.country_id =country.country_id

LINKED FROM	
Table name	**Join**
address	**city**.city_id =address.city_id

5.5. Table: country

Information about address' country of customer, store or employee.

COUNTRY			
	Column name	**Data type**	**Description**
🔑	counry_id	serial	Country's unique identifier
	country	Character varying (50)	Country Name
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
N/A	N/A

LINKED FROM	
Table name	**Join**
city	**country**.country_id = city.country_id

5.6. Table: customer

Personal identifiable information about customer.

CUSTOMER			
	Column name	**Data type**	**Description**
🔑	customer_id	serial	Unique customer identifier
	store_id	Small Int	Unique store identifier
	first_name	Character varying (45)	Customer first name
	last_name	Character varying (45)	Customer last name
	email	Character varying (50)	Customer email
➤	address_id	Small Int	Unique address identifier

activebool	Boolean		Customer's active status
create_date	Date		Date of customer profile creation
last_update	Timestamp without time zone integer		Date and time of latest update
active	integer		Active status represented by 0 or 1

LINKS TO	
Table name	**Join**
address	**customer**.address_id = address.address_id

LINKED FROM	
Table name	**Join**
payment	**customer**.customer_id = payment.customer_id =
rental	**customer**.customer_id = rental.customer_id =

5.7. Table: film

Basic information about movie's characteristics, description and financial aspects.

FILM			
	Column name	**Data type**	**Description**
🔑	film_id	serial	Unique film identifier
	title	Character varying (255)	Film title
	description	text	Film description
	release _year	year	Film release year
➹	language_id	Small Int	Film language
	rental_duration	Small Int	Film rental duration
	rental_rate	Numeric (4,2)	Film rental rate
	length	Small Int	Film length
	replacement_cost	Numeric (5,2)	Replacement cost of film
	rating	mpaa_rating	Film rating
	last_update	Timestamp without time zone	Date and time of latest update
	special_feactures	text	Film's special features
	fulltext	tsvector	Film index; used for search

Table name	Join
language	**film**.language_id = language.language_id

LINKED FROM	
Table name	**Join**
film_actor	**film**.film_id = film_actor.film_id
film_category	**film**.film_id = film_category.film_id
inventory	**film**.film_id = inventory.film_id

5.8. Table: film_actor

Linking table for tables film and actor.

FILM_ACTOR			
	Column name	**Data type**	**Description**
🔑⭐	Actor_id	Small Int	Unique actor identifier
⭐	Film_id	Small Int	Unique film identifier
	Last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
actor	**film_actor**.actor_id = actor.actor_id
film	**film_actor**.film_id = film.film_id

LINKED FROM	
Table name	**Join**
N/A	N/A

5.9. Table: film_category

Linking table for tables film and category.

FILM_CATEGORY			
	Column name	**Data type**	**Description**
⭐	film_id	Small Int	Unique film identifier

	category_id	Small Int	Unique category identifier
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
category	**film_category**.category_id = category.category_id
film	**film_category**.film_id = film.film_id

LINKED FROM	
Table name	**Join**
N/A	N/A

5.10. Table: inventory

Information about inventory of all movies and their location per store.

INVENTORY			
	Column name	**Data type**	**Description**
	Inventory_id	Serial	Unique inventory identifier
	Film_id	Small Int	Unique film identifier
	Store_id	Small Int	Unique store identifier
	Last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
film	**inventory**.film_id = film.film_id

LINKED FROM	
Table name	**Join**
rental	**inventory**.inventory_id = rental.inventory_id

5.11. Table: language

Information about name of movie's audio language.

	Column name	Data type	Description
🔑	language_id	serial	Language unique identifier
	name	Character (20)	Language name
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
N/A	N/A

LINKED FROM	
Table name	**Join**
film	**language**.language_id = film.language_id

5.12. Table: staff

Personal identifiable information and work and login related information about employee.

	Column name	Data type	Description
🔑	staff_id	Serial	Unique staff member identifier
	first_name	Character varying (45)	Staff member's first name
	last_name	Character varying (45)	Staff member's last name
➤	address_id	Small Int	Unique address identifier
	email	Character varying (50)	Staff member's email address
	store_id	Small Int	Unique store identifier
	active	Boolean	Staff members' active status
	username	Character varying (16)	Staff members' username
	password	Character varying (40)	Staff members' password
	last_update	Timestamp without time zone	Date and time of latest update
	picture	BYTEA	Staff member's picture

LINKS TO	
Table name	**Join**
address	**staff**.address_id = address.address_id

LINKED FROM	
Table name	**Join**
payment	**staff**.staff_id = payment.staff_id
rental	**staff**.staff_id = rental.staff_id
store	**staff**.staff_id = store.staff_id

5.13. Table: store

Information about store location and management.

STORE			
	Name	**Data type**	**Description**
🔑	store_id	serial	Unique store identifier
➤	manager_staff_id	Small Int	Store manager's unique identifier
➤	address_id	Small Int	Store's unique address identifier
	last_update	Timestamp without time zone	Date and time of latest update

LINKS TO	
Table name	**Join**
address	**store**.address_id = address.address_id
staff	**store**.manager_staff_id = staff.staff_id

LINKED FROM	
Table name	**Join**
N/A	N/A