

ROCKBUSTER STEALTH

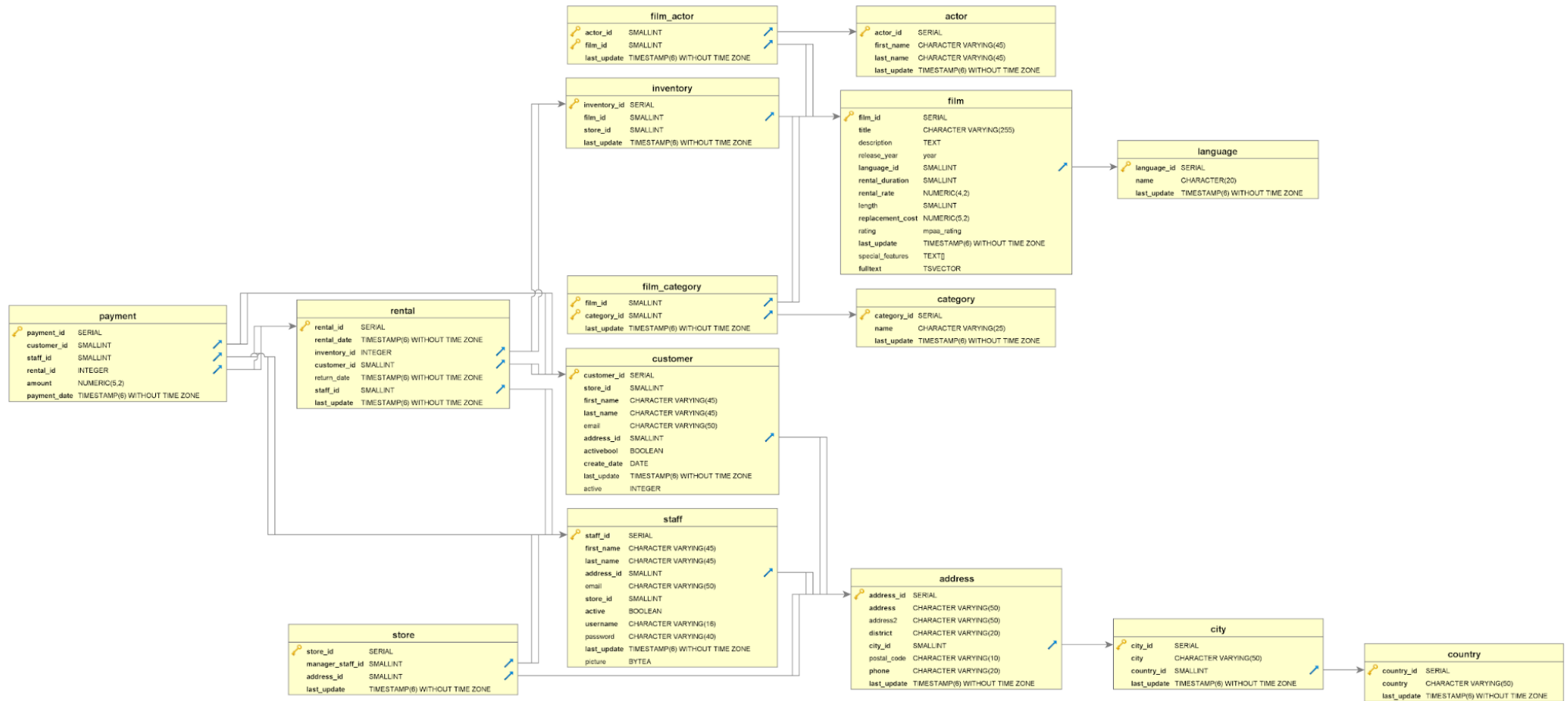
DATA DICTIONARY

Last Update: AUGUST 23, 2023

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ENTITY RELATIONSHIP DIAGRAM (ERD)



FACT AND DIMENSION TABLES

LEGEND

Primary key, foreign key

FACT TABLES

Payment Table

COLUMN	DATA TYPE	DESCRIPTION
payment_id	SERIAL	Unique ID number of the payment
customer_id	SMALLINT	Unique ID number of the customer
staff_id	SMALLINT	Unique ID number of the staff
rental_id	INTEGER	Unique ID number of the rental
amount	NUMERIC(5,2)	Cost of Rental
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment

LINKS TO:

- Customer (customer_id), Staff (staff_id), Rental (rental_id)

LINKS FROM:

- None

Film_actor Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
actor_id	SMALLINT	ID number of actor
film_id	SMALLINT	ID number of film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- Actor (actor_id), Film (film_id)

LINKS FROM:

- None

Store Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
store_id	SERIAL	ID number of store
manage_staff_id	SMALLINT	ID number of manager

address_id	SMALLINT	ID number of address/location
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- Staff (manager_staff_id), Address (address_id)

LINKS FROM:

- None

Film_category Table

COLUMN	DATA TYPE	DESCRIPTION
film_id	SMALLINT	ID number of filmaa
category_id	SMALLINT	ID number of category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- Film (film_id), Category (category_id)

LINKS FROM:

- None

DIMENSION TABLES

Rental Table

COLUMN	DATA TYPE	DESCRIPTION
rental_id	SERIAL	ID number of rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
inventory_id	INTEGER	ID number of inventory rented
customer_id	SMALLINT	ID number of renting customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of return
staff_id	SMALLINT	ID number of staff for rental
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- Inventory (inventory_id), Customer (customer_id), Staff (staff_id)

LINKS FROM:

- Payment (staff_id, rental_id)

Inventory Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
inventory_id	SERIAL	ID number of inventory item
film_id	SMALLINT	ID number of film
store_id	SMALLINT	ID number of store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- Film (film_id)

LINKS FROM:

- Rental (inventory_id)

Customer Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
customer_id	SERIAL	ID number of customer
store_id	SMALLINT	ID number 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 of Customer
address_id	SMALLINT	Address of Customer
activebool	BOOLEAN	Active or Not Active
create_date	DATE	Date of Customer file creation
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated
active	INTEGER	Unclear

LINKS TO:

- Address (address_id)

LINKS FROM:

- Rental (customer_id), Payment (customer_id)

Staff Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
staff_id	SERIAL	ID number 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	SMALLINT	Address of staff member
email	CHARACTER VARYING(50)	Email of staff member
store-id	SMALLINT	Store ID where staff member works

active	BOOLEAN	Current/Non-current staff
username	CHARACTER VARYING(16)	Staff username
password	CHARACTER VARYING(40)	Staff password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated
picture	BYTEA	Staff photo

LINKS TO:

- Address (address_id)

LINKS FROM:

- Payment/Rental (staff_id), Store (address_id)

Actor Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
actor_id	SERIAL	ID number of Actor
first_name	CHARACTER VARYING(45)	First name of Actor
last_name	CHARACTER VARYING(45)	Last name of Actor
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- None

LINKS FROM:

- Film_actor (actor_id)

Film Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
film_id	SERIAL	ID number of film
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Description of film
release_year	year	Release year of film
language_id	SMALLINT	Language of film
rental_duration	SMALLINT	Rental duration
rental_rate	NUMERIC(4,2)	Rate for rental of film
length	SMALLINT	Film run length
replacement_cost	NUMERIC(5,2)	Cost to replace film
rating	mpaa_rating	Rating of film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update to film table
special_features	TEXT[]	Special features of film
fulltext	TSVECTOR	Keywords/Tags for film

LINKS TO:

- Language (language_id)

LINKS FROM:

- Film_actor/Inventory/Film_category (film_id)

Address Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
address_id	SERIAL	ID of store 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	SMALLINT	City of address
postal_code	CHARACTER VARYING(10)	Postal code of address
phone	CHARACTER VARYING(20)	Phone number of store at address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- City (city_id)

LINKS FROM:

- Customer/Staff/Store (address_id)

Language Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
language_id	SERIAL	Language of film
name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- None

LINKS FROM:

- Film (language_id)

City Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
city_id	SERIAL	ID of city
city	CHARACTER VARYING(50)	City name
country_id	SMALLINT	Country where city is located

last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated
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LINKS TO:

- Country (country_id)

LINKS FROM:

- Address (city_id)

Country Table

<u>COLUMN</u>	<u>DATA TYPE</u>	<u>DESCRIPTION</u>
country_id	SERIAL	ID of Country
country	CHARACTER VARYING(50)	Name of Country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time table was updated

LINKS TO:

- None

LINKS FROM:

- City (country_id)