

# Rockbuster Stealth

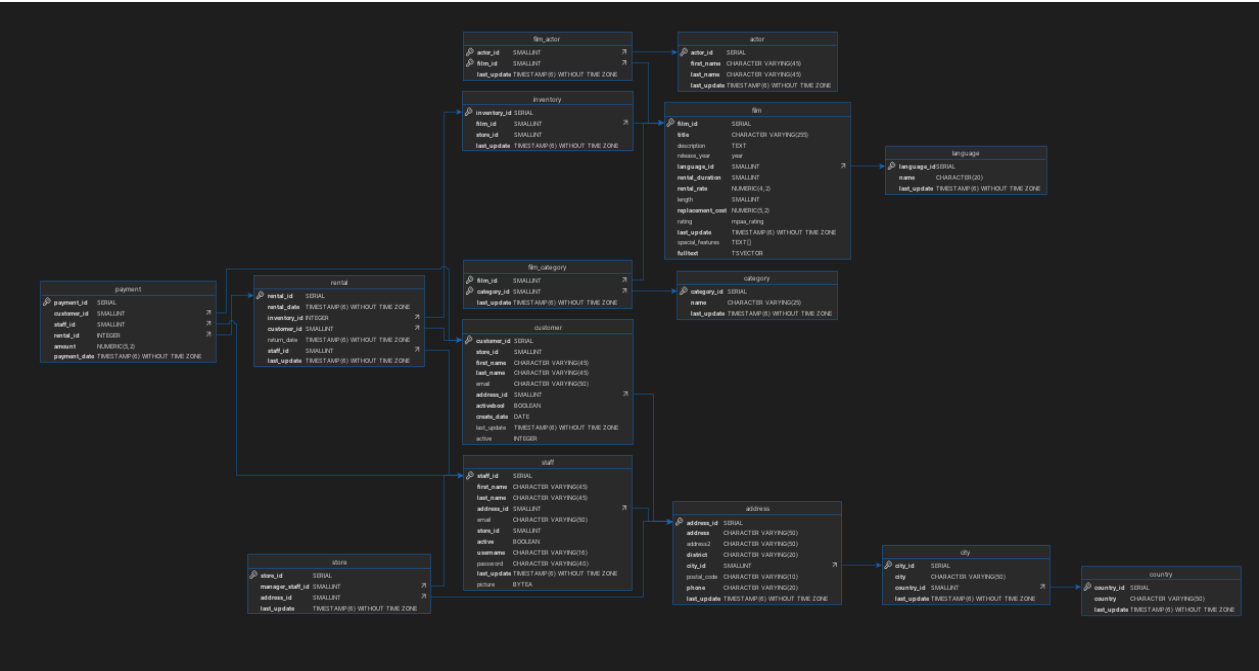
## Data Dictionary

### Contents

|                                      |   |
|--------------------------------------|---|
| 1. Entity Relationship Diagram ..... | 2 |
| 2. Legend .....                      | 2 |
| 3. Tables .....                      | 2 |
| 3.1 Fact Tables .....                | 2 |
| 3.2 Dimensions Tables .....          | 3 |

# 1. Entity Relationship Diagram

Generated on DB Visualizer



## 2. Legend

Primary Key

Foreign Key

## 3. Tables

### 3.1 Fact Tables

Payment

| Key Type    | Column       | Data Types | Descriptions                              |
|-------------|--------------|------------|---|
| Primary Key | payment_id   | SERIAL     | unique identifier for payment transaction |
| Foreign Key | customer_id  | SMALLINT   | unique identifier for customer            |
| Foreign Key | staff_id     | SMALLINT   | unique identifier for staff               |
|             | amount       | NUMERIC    | total amount of sale                      |
|             | payment_date | TIMESTAMP  | date and time payment was received        |
| Foreign Key | rental_id    | INTEGER    | unique identifier for rental sale         |

## Rental

| Key Type    | Column       | Data Types | Descriptions  |
|-------------|--------------|------------|---|
| Primary Key | rental_id    | SERIAL     | unique identifier for rental sale                       |
| Foreign Key | staff_id     | SMALLINT   | unique identifier for staff who handled the transaction |
|             | return_date  | TIMESTAMP  | date and time unit was returned                         |
| Foreign Key | customer_id  | SMALLINT   | unique identifier of customer                           |
| Foreign Key | inventory_id | INTEGER    | unique inventory identifier for rental unit             |
|             | rental_date  | TIMESTAMP  | date and time of rental                                 |

## 3.2 Dimensions Tables

### film\_actor

| Key Type    | Column      | Data Types | Descriptions                         |
|-------------|-------------|------------|--------------------------------------|
| Primary Key | actor_id    | SMALLINT   | Unique identifier for the actor      |
| Foreign Key |             |            |                                      |
| Primary Key | film_id     | SMALLINT   | Unique identifier for the film       |
| Foreign Key |             |            |                                      |
|             | last_update | TIMESTAMP  | Date and time of record last updated |

### Inventory

| Key Type    | Column       | Data Types | Descriptions                      |
|-------------|--------------|------------|-----------------------------------|
| Primary Key | inventory_id | SERIAL     | Unique identifier of an inventory |
| Foreign Key | film_id      | SMALLINT   | Unique identifier for a film      |
| Foreign Key | store_id     | SMALLINT   | Unique identifier for a store     |
|             | last_update  | TIMESTAMP  | Date and time                     |

### Film\_category

| Key Type    | Column      | Data Types | Descriptions                         |
|-------------|-------------|------------|--------------------------------------|
| Primary Key | film_id     | SMALLINT   | Unique identifier of a film          |
| Foreign Key |             |            |                                      |
| Primary Key | category_id | SMALLINT   | Unique identifier of a category      |
| Foreign Key |             |            |                                      |
|             | last_update | TIMESTAMP  | Date and time of record last updated |

Country

| Key Type    | Column      | Data Types   | Descriptions                    |
|-------------|-------------|--------------|---------------------------------|
| Primary Key | country_id  | SMALLINT     | Unique identifier for a country |
|             | country     | VARCHAR (50) | Name of the country             |
|             | last_update | TIMESTAMP    | Date and time                   |

City

| Key Type    | Column      | Data Types   | Descriptions                    |
|-------------|-------------|--------------|---------------------------------|
| Primary Key | city_id     | SERIAL       | Unique identifier for a city    |
|             | city        | VARCHAR (50) | Name of the city                |
| Foreign Key | country_id  | SMALLINT     | Unique identifier for a country |
|             | last_update | TIMESTAMP    | Date and time of last update    |

Language

| Key Type    | Column      | Data Types | Descriptions                        |
|-------------|-------------|------------|-------------------------------------|
| Primary Key | language_id | SERIAL     | Unique identifier of the language   |
|             | name        | CHAR (20)  | Name of the language                |
|             | last_update | TIMESTAMP  | Date and time of record last update |

Category

| Key Type    | Column      | Data Types   | Descriptions                    |
|-------------|-------------|--------------|---------------------------------|
| Primary Key | category_id | SERIAL       | Unique identifier of a category |
|             | name        | VARCHAR (25) | Name of the category            |
|             | last_update | TIMESTAMP    | Date and time                   |

Address

| Key Type    | Column      | Data Types | Descriptions                    |
|-------------|-------------|------------|---------------------------------|
| Primary Key | address_id  | SERIAL     | Unique identifier of an address |
|             | address2    | VARCHAR    | Extra address details           |
|             | address     | VARCHAR    | Address details                 |
|             | district    | VARCHAR    | Name of the district            |
| Foreign Key | city_id     | SMALLINT   | Unique identifier of a city     |
|             | postal_code | VARCHAR    | Postal code details             |
|             | phone       | VARCHAR    | Phone number details            |
|             | last_update | TIMESTAMP  | Date and time of last update    |

## Customer

| Key Type    | Column      | Data Types | Descriptions                    |
|-------------|-------------|------------|---------------------------------|
| Primary Key | customer_id | SERIAL     | Unique identifier of a customer |
| Foreign Key | store_id    | SMALLINT   | Unique identifier of a store    |
|             | first_name  | VARCHAR    | First name of the customer      |
|             | last_name   | VARCHAR    | Last name of the customer       |
|             | email       | VARCHAR    | Email of the customer           |
| Foreign Key | address_id  | SMALLINT   | Address of the customer         |
|             | active      | BOOLEAN    | Active or not                   |
|             | create_date | DATE       | Date of being created           |
|             | last_update | TIMESTAMP  | Date and time of last update    |
|             | active      | INTEGER    | Active or not                   |

## Staff

| Key Type    | Column      | Data Types | Descriptions                 |
|-------------|-------------|------------|------------------------------|
| Primary Key | staff_id    | SERIAL     | Unique identifier of a staff |
|             | first_name  | VARCHAR    | First name of the staff      |
|             | last_name   | VARCHAR    | Last name of the staff       |
| Foreign Key | address_id  | SMALLINT   | Address of the staff         |
|             | email       | VARCHAR    | Email of the staff           |
| Foreign Key | store_id    | SMALLINT   | Unique identifier of a store |
|             | active      | BOOLEAN    | Active or not                |
|             | username    | VARCHAR    | Username of the staff        |
|             | password    | VARCHAR    | Password of the staff        |
|             | last_update | TIMESTAMP  | Date and time                |
|             | picture     | BLOB       | Photo of the staff           |

## Actor

| Key Type    | Column      | Data Types | Descriptions                   |
|-------------|-------------|------------|--------------------------------|
| Primary Key | actor_id    | SERIAL     | Unique identifier of the actor |
|             | first_name  | VARCHAR    | First name of the actor        |
|             | last_name   | VARCHAR    | Last name of the actor         |
|             | last_update | TIMESTAMP  | Date and time                  |

## Film

| Key Type    | Column           | Data Types  | Descriptions                         |
|-------------|------------------|-------------|--------------------------------------|
| Primary Key | film_id          | SERIAL      | Unique identifier of a film          |
|             | title            | VARCHAR     | Title of the movie                   |
|             | release_year     | year        | Year that the movie came out         |
|             | description      | TEXT        | Description of the movie             |
| Foreign Key | language_id      | SMALLINT    | Unique identifier of the language    |
|             | rental_duration  | SMALLINT    | How long the movie has been rented   |
|             | rental_rate      | NUMERIC     |                                      |
|             | length           | SMALLINT    | Duration of the movie                |
|             | replacement_cost | NUMERIC     | Costs to replace the rental movie    |
|             | rating           | MPAA_RATING | Which age groups can watch the movie |
|             | last_update      | TIMESTAMP   | Date and time                        |
|             | special_features | TEXT        | Special features of the movie        |
|             | fulltext         | TSVECTOR    | Text of the movie                    |

## Store

| Key Type    | Column           | Data Types | Descriptions                    |
|-------------|------------------|------------|---------------------------------|
| Primary Key | store_id         | INTEGER    | Unique identifier for the store |
| Foreign Key | manager_staff_id | SMALLINT   | First name of the actor         |
| Foreign Key | address_id       | SMALLINT   | Last name of the actor          |
|             | last_update      | TIMESTAMP  | Date and time                   |