



## **DATA DICTIONARY**

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CareerFoundry | Data Analytics Immersion 3.10

Rockbuster Stealth Data Dictionary

## Contents

|   |    |
|---|----|
| 1. Introduction .....                                   | 3  |
| 2. Rockbuster Stealth Entity Relationship Diagram ..... | 4  |
| 3. Legend .....   | 5  |
| 4. Fact Tables .....                                    | 5  |
| 4.1 payment .....                                       | 5  |
| 4.2 rental .....  | 5  |
| 5. Dimension Tables .....                               | 7  |
| 5.1 store .....   | 7  |
| 5.2 film_actor .....                                    | 7  |
| 5.3 inventory .....                                     | 8  |
| 5.4 film category .....                                 | 8  |
| 5.5 customer .....                                      | 8  |
| 5.6 staff .....   | 9  |
| 5.7 actor .....   | 10 |
| 5.8 film .....  | 10 |
| 5.9 category .....                                      | 11 |
| 5.10 address .....                                      | 11 |
| 5.11 language .....                                     | 12 |
| 5.12 city .....   | 12 |
| 5.13 country .....                                      | 12 |

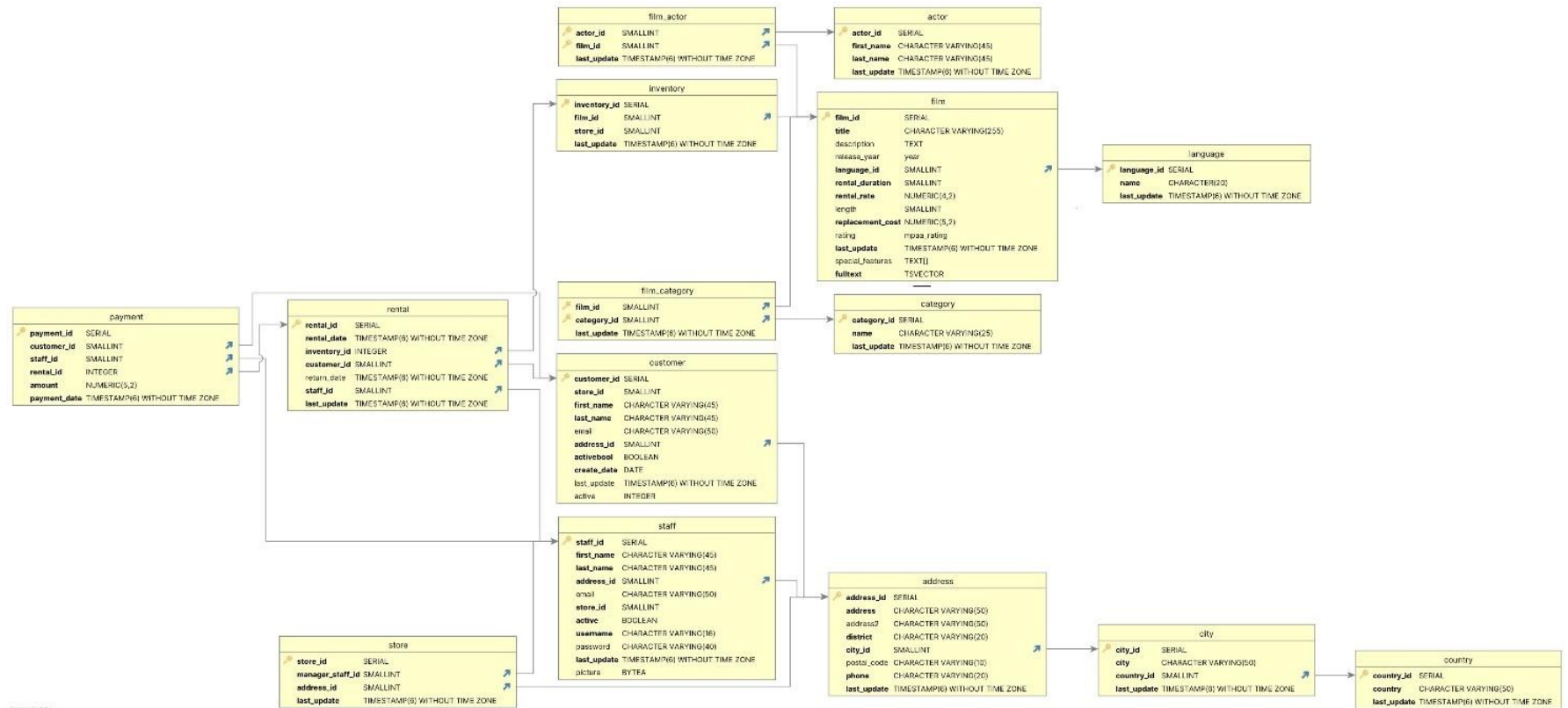
## 1. Introduction

This is a data dictionary for the Rockbuster Stealth PostgreSQL database.



The database contains 15 tables, including 2 Fact Tables and 13 Dimension Tables.

The database can be downloaded here: [Rockbuster Database](#)

## 2. Rockbuster Stealth Entity Relationship Diagram







### 3. Legend




| KEY   | Columns     |
|---|-------------|
|  | Primary Key |
|  | Foreign Key |


### 4. Fact Tables

#### 4.1 payment

| KEY   | Columns      | Data Type                      | Description  |
|---|--------------|--------------------------------|--|
|    | payment_id   | SERIAL                         | Primary key; unique identifier associated with each payment  |
|    | customer_id  | SMALLINT                       | Foreign key; unique identifier associated with each customer |
|  | staff_id     | SMALLINT                       | Foreign key; unique identifier associated with staff members |
|  | rental_id    | INTEGER                        | Foreign key; unique identifier associated with each rental   |
|   | amount       | NUMERIC(5,2)                   | Amount of payment. 5 total digits, 2 decimals                |
|   | payment_date | TIMESTAMP(6) WITHOUT TIME ZONE | Time of payment (time zone information not included)         |




#### 4.2 rental

| KEY   | Columns      | Data Type                       | Description  |
|---|--------------|---------------------------------|--|
|  | rental_id    | SERIAL                          | Primary key; unique identifier for rentals                       |
|   | rental_date  | TIMESTAMP (6) WITHOUT TIME ZONE | Date and time of rental (does not include time zone information) |
|  | inventory_id | INTEGER                         | Foreign key; unique identifier for inventory                     |
|  | customer_id  | SMALLINT                        | Foreign key; unique identifier assigned to customers             |





|   |             |                                   |  |
|---|-------------|-----------------------------------|--|
|   | return_date | TIMESTAMP(6) WITHOUT TIME<br>ZONE | 6-digit return timestamp (does not<br>include time zone information)       |
|  | staff_id    | SMALLINT                          | Foreign Key; unique identifier<br>assigned to staff                        |
|   | last_update | TIMESTAMP(6) WITHOUT TIME<br>ZONE | Last time the table was updated<br>(time zone information not<br>included) |

## 5. Dimension Tables



### 5.1 store

| Key   | Columns          | Data Type                         | Description  |
|---|------------------|-----------------------------------|--|
|  | store_id         | SERIAL                            | Primary key; unique identifier assigned to each store                |
|  | manager_staff_id | SMALLINT                          | Foreign key; unique identifier assigned to each manager              |
|  | address_id       | SMALLINT                          | Foreign key; unique identifier assigned to each address              |
|   | last_update      | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time the table was last updated (time zone information not included) |





### 5.2 film\_actor

| Key   | Columns     | Data Type                         | Description  |
|---|-------------|-----------------------------------|--|
|   | actor_id    | SMALLINT                          | Primary key; foreign key; unique identifier assigned to each actor   |
|   | film_id     | SMALLINT                          | Primary key; foreign key; unique identifier assigned to each film    |
|   | last_update | TIMESTAMP(6) WITHOUT<br>TIME ZONE | Time the table was last updated (time zone information not included) |



### 5.3 inventory

| Key   | Columns      | Data Type                      | Description   |
|---|--------------|--------------------------------|---|
|  | inventory_id | SERIAL                         | Primary key; unique identifier assigned to each inventory item        |
|  | film_id      | SMALLINT                       | Foreign key; unique identifier assigned to each film                  |
|   | store_id     | SMALLINT                       | Unique identifier assigned to each store                              |
|   | last_update  | TIMESTAMP(6) WITHOUT TIME ZONE | Time when table was last updated (time zone information not included) |

### 5.4 film category

| Key   | Columns     | Data Type                      | Description  |
|---|-------------|--------------------------------|--|
|       | film_id     | SMALLINT                       | Primary key; foreign key; unique identifier assigned to each film                  |
|   | category_id | SMALLINT                       | Primary key; foreign key; unique identifier assigned to each category              |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | 6-digit timestamp when table was last updated (time zone information not included) |



### 5.5 customer

| Key   | Columns     | Data Type             | Description  |
|---|-------------|-----------------------|--|
|  | customer_id | SERIAL                | Primary key; unique identifier assigned to each customer |
|   | store_id    | SMALLINT              | Unique identifier assigned to each store                 |
|   | first_name  | CHARACTER VARYING(45) | Customer first name                                      |
|   | last_name   | CHARACTER VARYING(45) | Customer last name                                       |
|   | email       | CHARACTER VARYING(50) | Customer email   |
|  | address_id  | SMALLINT              | Foreign key; unique identifier assigned to each address  |




|  |             |                                |  |
|--|-------------|--------------------------------|--|
|  | activebool  | BOOLEAN                        | Active logic function  |
|  | create_date | DATE                           | Date when account was created                                    |
|  | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last time table was updated (time zone information not included) |
|  | active      | INTEGER                        | Status of whether account is currently active or not             |



#### 5.6 staff

| Key   | Columns     | Data Type                      | Description   |
|---|-------------|--------------------------------|---|
|  | staff_id    | SERIAL                         | Primary key; unique identifier assigned to each staff member              |
|   | first_name  | CHARACTER VARYING(45)          | First name of each staff member   |
|   | last_name   | CHARACTER VARYING(45)          | Last name of each staff member  |
|  | address_id  | SMALLINT                       | Foreign key; unique identifier assigned to each address                   |
|   | email       | CHARACTER VARYING(50)          | Email address of each staff member  |
|   | store_id    | SMALLINT                       | Unique identifier assigned to the store where the staff member works      |
|   | active      | BOOLEAN                        | Active boolean function   |
|   | username    | CHARACTER VARYING(16)          | Username of the staff member  |
|   | password    | CHARACTER VARYING(40)          | Password of the staff member  |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time when the table was last updated (time zone information not included) |
|   | picture     | BYTEA                          | Photo of the staff member   |

### 5.7 actor


| Key   | Columns     | Data Type                      | Description  |
|---|-------------|--------------------------------|--|
|  | actor_id    | SERIAL                         | Primary key; unique identifier assigned to each actor            |
|   | first_name  | CHARACTER VARYING(45)          | First name of the actor  |
|   | last_name   | CHARACTER VARYING(45)          | Last name of the actor   |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time table was last updated (time zone information not included) |

### 5.8 film



| Key   | Columns          | Data Type                      | Description   |
|---|------------------|--------------------------------|---|
|    | film_id          | SERIAL                         | Primary key; unique identifier assigned to each film                      |
|   | title            | CHARACTER VARYING(255)         | Title of the film   |
|   | description      | TEXT                           | Description of the film   |
|   | release_year     | YEAR                           | Year of the film's release  |
|  | language_id      | SMALLINT                       | Foreign key; unique identifier assigned to each language                  |
|   | rental_duration  | SMALLINT                       | Length of the rental duration for the film in days                        |
|   | rental_rate      | NUMERIC(4,2)                   | Rental rate for the film. 4 digits, 2 for decimal (ex. 10.00)             |
|   | length           | SMALLINT                       | Length of the film in minutes   |
|   | replacement_cost | NUMERIC(5,2)                   | Cost of replacing the film. 5-digit number, 2 decimal places (ex. 100.00) |
|   | rating           | MPAA_RATING                    | Film rating   |
|   | last_update      | TIMESTAMP(6) WITHOUT TIME ZONE | Time the table was last updated (time zone information not included)      |
|   | special_features | TEXT[]                         | Special features associated with the film                                 |

|  |          |          |   |
|--|----------|----------|---|
|  | fulltext | TSVECTOR | Vector of terms for full text search in a database. |
|--|----------|----------|---|

#### 5.9 category


| Key   | Columns     | Data Type                      | Description  |
|---|-------------|--------------------------------|--|
|  | category_id | SERIAL                         | Primary key; unique identifier assigned to each movie category/genre |
|   | name        | CHARACTER VARYING(25)          | Name of the category   |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time the table was last updated (time zone information not included) |

#### 5.10 address



| Key   | Columns     | Data Type                      | Description   |
|---|-------------|--------------------------------|---|
|    | address_id  | SERIAL                         | Primary key; unique identifier assigned to each address               |
|   | address     | CHARACTER VARYING(50)          | Address information for a customer, staff member, or store            |
|   | address2    | CHARACTER VARYING(50)          | Additional address information for a customer, store, or staff member |
|   | district    | CHARACTER VARYING(20)          | District information for a customer, store, or staff member           |
|  | city_id     | SMALLINT                       | Foreign key; unique identifier assigned to each city in the database  |
|   | postal_code | CHARACTER VARYING(10)          | Postal code for a customer, store, or staff member                    |
|   | phone       | CHARACTER VARYING(20)          | Phone number for a customer, store, or staff member                   |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time the table was last updated (time zone information not included)  |

|  |  |  |                           |
|--|--|--|---------------------------|
|  |  |  | information not included) |
|--|--|--|---------------------------|


#### 5.11 language

| Key   | Columns     | Data Type                      | Description  |
|---|-------------|--------------------------------|--|
|  | language_id | SERIAL                         | Primary key; unique identifier assigned to each language             |
|   | name        | CHARACTER(20)                  | Name of the language   |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time the table was last updated (time zone information not included) |

#### 5.12 city

| Key  | Columns     | Data Type                      | Description   |
|--|-------------|--------------------------------|---|
|   | city_id     | SERIAL                         | Primary key; unique identifier assigned to each city in the database    |
|  | city        | CHARACTER VARYING(50)          | City name   |
|  | country_id  | SMALLINT                       | Foreign key; unique identifier assigned to each country in the database |
|  | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time the table was last updated (time zone information not included)    |

#### 5.13 country

| Key   | Columns     | Data Type                      | Description   |
|---|-------------|--------------------------------|---|
|  | country_id  | SERIAL                         | Primary key; unique identifier assigned to each country in the database |
|   | country     | CHARACTER VARYING(50)          | country name  |
|   | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Time the table was last updated (time zone information not included)    |