

Rockbuster Stealth, LLC

# Data Dictionary

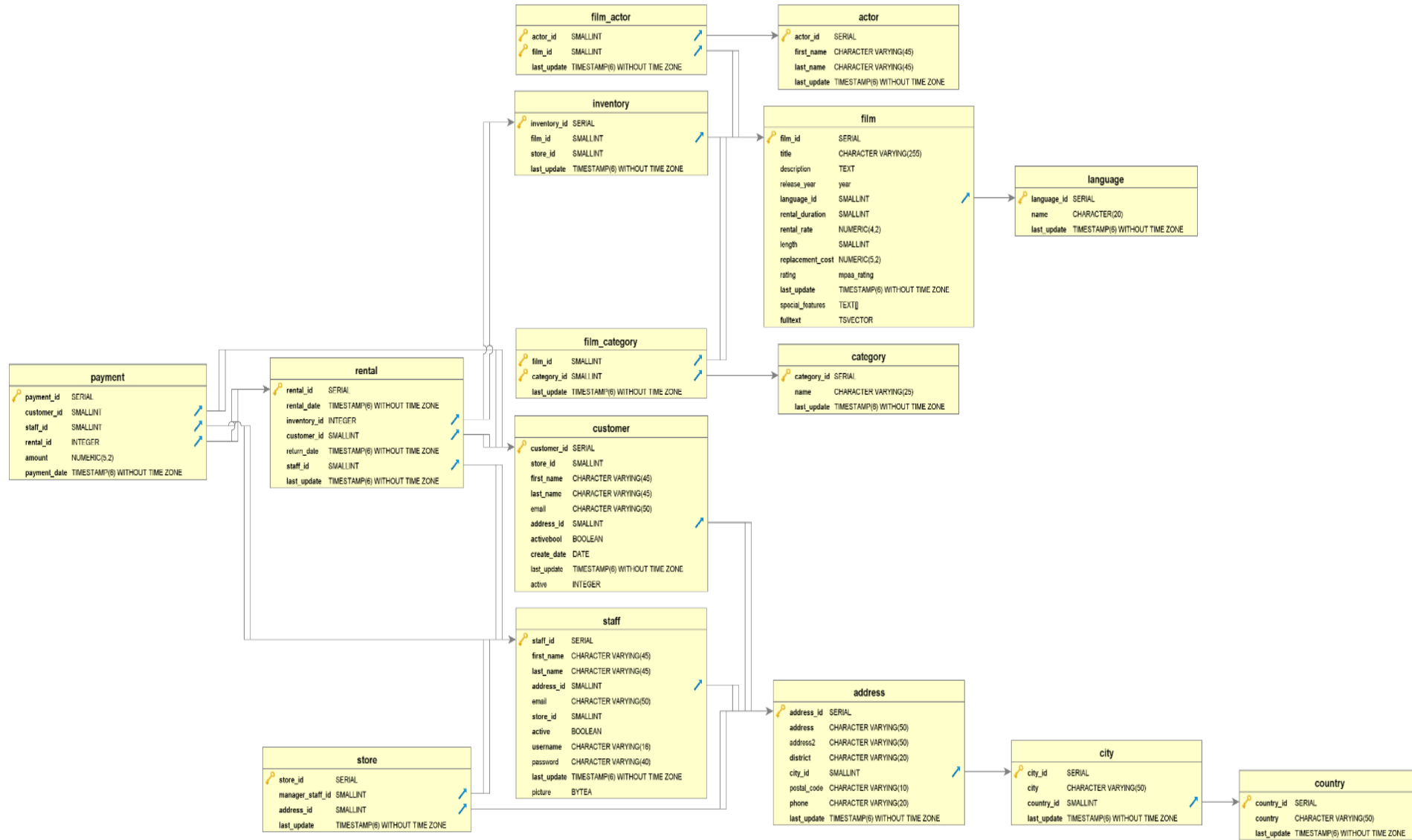
2023 Edition

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# 1. Entity Relation Database



## **2. FACT TABLES**

### **2.1 FACT TABLE: rental**

| <b>Columns</b> | <b>Data Type</b>                  | <b>Description</b>                                   |
|----------------|-----------------------------------|--|
| rental_id      | SERIAL                            | Rental id number                                     |
| rental_date    | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Rental date and time<br>without the time zone        |
| inventory_id   | INTEGER                           | Inventory id number                                  |
| customer_id    | SMALLINT                          | Customer id number                                   |
| return_date    | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of return<br>without time zone         |
| staff_id       | SMALLINT                          | Staff id number                                      |
| last_update    | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### **2.2 FACT TABLE: payment**

| <b>Columns</b> | <b>Data Type</b> | <b>Description</b> |
|----------------|------------------|--------------------|
| payment_id     | SERIAL           | Payment id number  |
| customer_id    | SMALLINT         | Customer id number |

|              |                                   |  |
|--------------|-----------------------------------|--|
| staff_id     | SMALLINT                          | Staff id number                                  |
| rental_id    | SMALLINT                          | Rental id number                                 |
| amount       | NUMERIC(5,2)                      | Amount value USD                                 |
| payment_date | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of<br>payment without time<br>zone |

## **3.DIMENSION TABLES**

### **3.1 DIMENSION TABLE: store**

| Columns          | Data Type                         | Description  |
|------------------|-----------------------------------|--|
| store_id         | SERIAL                            | Store id number                                      |
| manager_staff_id | SMALLINT                          | Manager id number                                    |
| address_id       | SMALLINT                          | Address id number                                    |
| last_update      | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.2 DIMENSION TABLE: staff

| Columns    | Data Type                | Description                   |
|------------|--------------------------|-------------------------------|
| staff_id   | SERIAL                   | Staff id number               |
| first_name | CHARACTER<br>VARYING(45) | First name of staff member    |
| last_name  | CHARACTER<br>VARYING(45) | Last name of staff member     |
| address_id | SMALLINT                 | Address id of staff member    |
| email      | CHARACTER<br>VARYING(45) | Email address of staff member |
| store_id   | SMALLINT                 | Store id where staff works    |
| active     | BOOLEAN                  | Active                        |
| username   | CHARACTER<br>VARYING(16) | Staff username                |

|             |                                   |  |
|-------------|-----------------------------------|--|
| password    | CHARACTER<br>VARYING(40)          | Password   |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |
| picture     | BYTEA                             | Picture of staff member                              |

### 3.3 DIMENSION TABLE: address

| Columns     | Data Type                | Description        |
|-------------|--------------------------|--------------------|
| address_id  | SMALLINT                 | Address id number  |
| address     | CHARACTER<br>VARYING(50) | Primary address    |
| address2    | CHARACTER<br>VARYING(50) | Secondary address  |
| District    | CHARACTER<br>VARYING(20) | District           |
| city_id     | SMALLINT                 | City id number     |
| postal_code | CHARACTER<br>VARYING(10) | Postal code number |



|             |                                   |  |
|-------------|-----------------------------------|--|
| phone       | CHARACTER<br>VARYING(20)          | Phone number   |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.4 DIMENSION TABLE: city

| Columns     | Data Type                         | Description  |
|-------------|-----------------------------------|--|
| city_id     | SERIAL                            | City id number                                       |
| city        | CHARACTER<br>VARYING(50)          | City name  |
| country_id  | SMALLINT                          | Country id number                                    |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.5 DIMENSION TABLE: country

| Columns    | Data Type                | Description       |
|------------|--------------------------|-------------------|
| country_id | SERIAL                   | Country id number |
| country    | CHARACTER<br>VARYING(50) | Country name      |

|             |                                   |  |
|-------------|-----------------------------------|--|
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |
|-------------|-----------------------------------|--|

### 3.6 DIMENSION TABLE: customer

| Columns     | Data Type                         | Description  |
|-------------|-----------------------------------|--|
| customer_id | SERIAL                            | Customer id number                                   |
| store_id    | SMALLINT                          | Store id number                                      |
| first_name  | CHARACTER<br>VARYING(45)          | First name of customer                               |
| last_name   | CHARACTER<br>VARYING(45)          | Last name of customer                                |
| email       | CHARACTER<br>VARYING(50)          | Email address  |
| address_id  | SMALLINT                          | Address of customer                                  |
| activebool  | BOOLEAN                           | Activebool   |
| create_date | DATE                              | Date customer account<br>was created                 |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

|        |         |        |
|--------|---------|--------|
| Active | INTEGER | active |
|--------|---------|--------|

### 3.7 DIMENSION TABLE: film\_category

| Columns     | Data Type                         | Description  |
|-------------|-----------------------------------|--|
| film_id     | SMALLINT                          | Film id number                                       |
| category_id | SMALLINT                          | Category id number                                   |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.8 DIMENSION TABLE: category

| Columns     | Data Type                         | Description  |
|-------------|-----------------------------------|--|
| category_id | SERIAL                            | Category id number                                   |
| name        | CHARACTER<br>VARYING(25)          | Name   |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.9 DIMENSION TABLE: inventory

| Columns      | Data Type                         | Description  |
|--------------|-----------------------------------|--|
| inventory_id | SERIAL                            | Inventory id number                                  |
| film_id      | SMALLINT                          | Film id number                                       |
| store_id     | SMALLINT                          | Store id number                                      |
| last_update  | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.10 DIMENSION TABLE: film\_actor

| Columns     | Data Type                         | Description  |
|-------------|-----------------------------------|--|
| actor_id    | SMALLINT                          | Actor id number                                      |
| film_id     | SMALLINT                          | Film id number                                       |
| Last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.11 DIMENSION TABLE: actor

| Columns  | Data Type | Description     |
|----------|-----------|-----------------|
| actor_id | SERIAL    | Actor id number |

|             |                                   |  |
|-------------|-----------------------------------|--|
| first_name  | CHARACTER<br>VARYING(45)          | First name of actor                                  |
| last_name   | CHARACTER<br>VARYING(45)          | Last name of actor                                   |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |

### 3.12 DIMENSION TABLE: film

| Columns          | Data Type                 | Description            |
|------------------|---------------------------|------------------------|
| film_id          | SERIAL                    | Film id number         |
| title            | CHARACTER<br>VARYING(255) | Title of film          |
| description      | TEXT                      | Description of film    |
| release_year     | year                      | Release year of film   |
| language_id      | SMALLINT                  | Language id number     |
| rental_duration  | SMALLINT                  | Rental duration (days) |
| rental_rate      | NUMERIC(4,2)              | Rental rate USD        |
| length           | SMALLINT                  | Length of film         |
| replacement_cost | NUMERIC(5,2)              | Replacement cost USD   |

|                  |                                   |  |
|------------------|-----------------------------------|--|
| rating           | mpaa_rating                       | rating   |
| last_update      | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |
| special_features | TEXT                              | Special features of film                             |
| fulltext         | TSVECTOR                          | Fulltext   |

### 3.13 DIMENSION TABLE: language

| Columns     | Data Type                         | Description  |
|-------------|-----------------------------------|--|
| language_id | SERIAL                            | Language id number                                   |
| name        | CHARACTER(20)                     | Name of language                                     |
| last_update | TIMESTAMP(6)<br>WITHOUT TIME ZONE | Time and date of last<br>update without time<br>zone |