By Quinn Stewart
June 23, 2021

# 3.10 Data Dictionary

CLASSICS
RANGO

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Tableau Visualization

[https://public.tableau.com/app/profile/quinn.stewart/viz/Qs3_10RockBuster/Story1](https://public.tableau.com/app/profile/quinn.stewart/viz/Qs3_10RockBuster/Story1)

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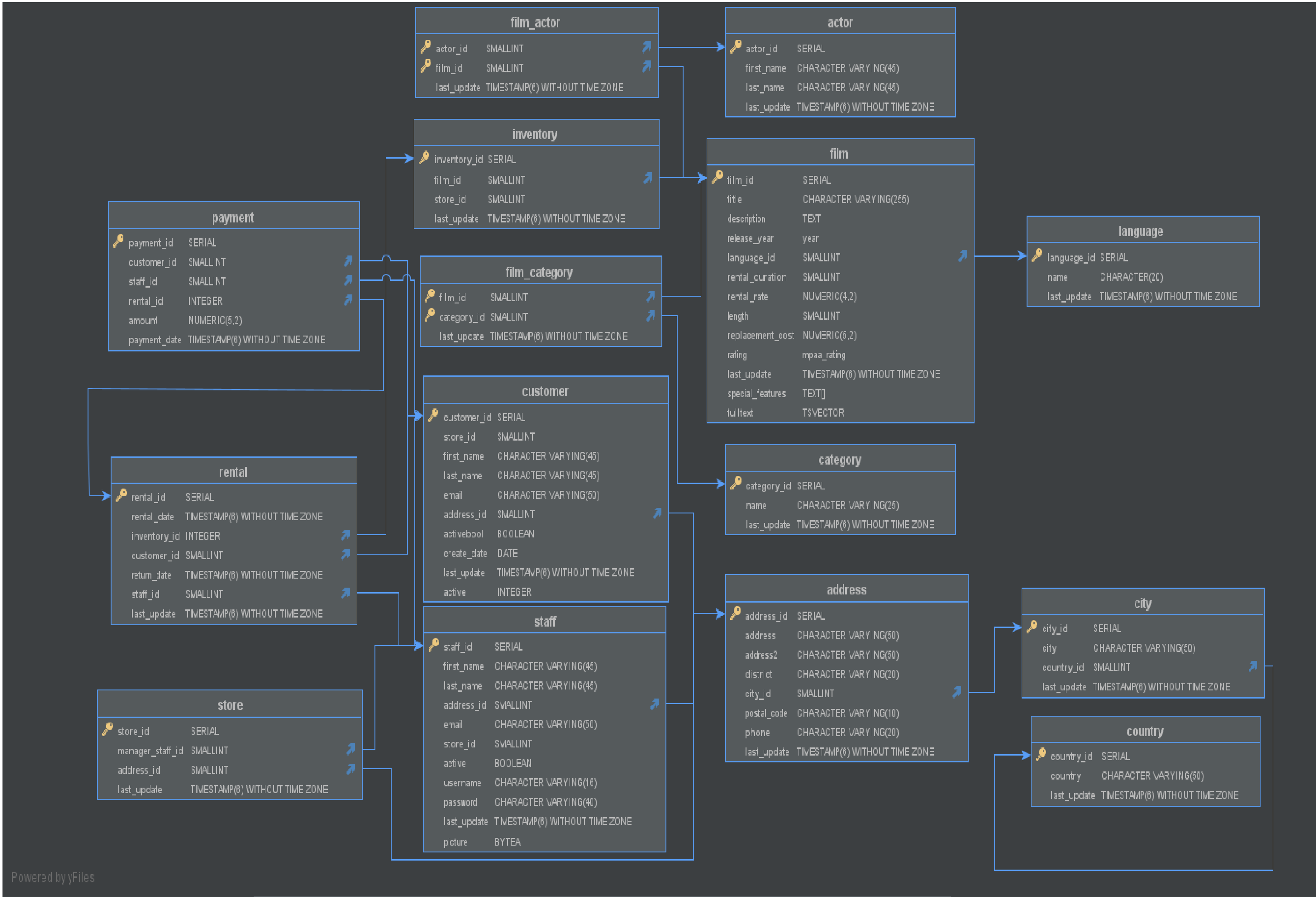

**film_actor**

| | | | |
|---|---|---|---|
| 🔑 | actor_id | SMALLINT | ↗ |
| 🔑 | film_id | SMALLINT | ↗ |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**actor**

| | | |
|---|---|---|
| 🔑 | actor_id | SERIAL |
| | first_name | CHARACTER VARYING(45) |
| | last_name | CHARACTER VARYING(45) |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE |

**inventory**

| | | | |
|---|---|---|---|
| 🔑 | inventory_id | SERIAL | |
| | film_id | SMALLINT | ↗ |
| | store_id | SMALLINT | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**film**

| | | | |
|---|---|---|---|
| 🔑 | film_id | SERIAL | |
| | title | CHARACTER VARYING(255) | |
| | description | TEXT | |
| | release_year | year | |
| | language_id | SMALLINT | ↗ |
| | rental_duration | SMALLINT | |
| | rental_rate | NUMERIC(4,2) | |
| | length | SMALLINT | |
| | replacement_cost | NUMERIC(5,2) | |
| | rating | mpaa_rating | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |
| | special_features | TEXT[] | |
| | fulltext | TSVECTOR | |

**payment**

| | | | |
|---|---|---|---|
| 🔑 | payment_id | SERIAL | |
| | customer_id | SMALLINT | ↗ |
| | staff_id | SMALLINT | ↗ |
| | rental_id | INTEGER | ↗ |
| | amount | NUMERIC(5,2) | |
| | payment_date | TIMESTAMP(6) WITHOUT TIME ZONE | |

**language**

| | | |
|---|---|---|
| 🔑 | language_id | SERIAL |
| | name | CHARACTER(20) |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE |

**film_category**

| | | | |
|---|---|---|---|
| 🔑 | film_id | SMALLINT | ↗ |
| 🔑 | category_id | SMALLINT | ↗ |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**customer**

| | | | |
|---|---|---|---|
| 🔑 | customer_id | SERIAL | |
| | store_id | SMALLINT | |
| | first_name | CHARACTER VARYING(45) | |
| | last_name | CHARACTER VARYING(45) | |
| | email | CHARACTER VARYING(50) | |
| | address_id | SMALLINT | ↗ |
| | activebool | BOOLEAN | |
| | create_date | DATE | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |
| | active | INTEGER | |

**category**

| | | |
|---|---|---|
| 🔑 | category_id | SERIAL |
| | name | CHARACTER VARYING(25) |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE |

**rental**

| | | | |
|---|---|---|---|
| 🔑 | rental_id | SERIAL | |
| | rental_date | TIMESTAMP(6) WITHOUT TIME ZONE | |
| | inventory_id | INTEGER | ↗ |
| | customer_id | SMALLINT | ↗ |
| | return_date | TIMESTAMP(6) WITHOUT TIME ZONE | |
| | staff_id | SMALLINT | ↗ |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**address**

| | | | |
|---|---|---|---|
| 🔑 | address_id | SERIAL | |
| | address | CHARACTER VARYING(50) | |
| | address2 | CHARACTER VARYING(50) | |
| | district | CHARACTER VARYING(20) | |
| | city_id | SMALLINT | ↗ |
| | postal_code | CHARACTER VARYING(10) | |
| | phone | CHARACTER VARYING(20) | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**city**

| | | | |
|---|---|---|---|
| 🔑 | city_id | SERIAL | |
| | city | CHARACTER VARYING(50) | |
| | country_id | SMALLINT | ↗ |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**staff**

| | | | |
|---|---|---|---|
| 🔑 | staff_id | SERIAL | |
| | first_name | CHARACTER VARYING(45) | |
| | last_name | CHARACTER VARYING(45) | |
| | address_id | SMALLINT | ↗ |
| | email | CHARACTER VARYING(50) | |
| | store_id | SMALLINT | |
| | active | BOOLEAN | |
| | username | CHARACTER VARYING(16) | |
| | password | CHARACTER VARYING(40) | |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |
| | picture | BYTEA | |

**store**

| | | | |
|---|---|---|---|
| 🔑 | store_id | SERIAL | |
| | manager_staff_id | SMALLINT | ↗ |
| | address_id | SMALLINT | ↗ |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE | |

**country**

| | | |
|---|---|---|
| 🔑 | country_id | SERIAL |
| | country | CHARACTER VARYING(50) |
| | last_update | TIMESTAMP(6) WITHOUT TIME ZONE |

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🔑

- Fact Tables:

## Payment:

| **Columns** | Data Type | Description |
|---|---|---|
| Payment_ID 🔑 | SERIAL | Primary Key ForPayment Records, Identity increment for Payment |
| Customer_ID 🔑 | SMALLINT | Identity Increment for Customers |
| Staff_ID 🔑 | SMALLINT | Identity Increment For Staff |
| Rental_ID 🔑 | INTEGER | Identity Increment for |
| Amount | NUMERIC(5,2) | The Amount For Payment |
| Payment_Date | TIMESTAMP(6) WITHOUT TIME ZONE | The date and time of payment |

## Store:

| **Columns** | Data Type | Description |
|---|---|---|
| Store_ID 🔑 | SERIAL | Primary Key For Sore, Identity increment for store |
| Manager_Staff_ID | SMALLINT | Identity Increment For Store's Employees |
| Address_ID 🔑 | SMALLINT | Identity Increment for Store"s Address |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Film_Category

| **Columns** | Data Type | Description |
|---|---|---|
| Film_ID 🔑 | SMALLINT | Primary Key For Film categories, Identity Increment for film category |
| Category_ID 🔑 | SMALLINT | Candidate key for film Records, Identity increment for film category |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Film_Actor

| **Columns** | Data Type | Description |
|---|---|---|

| | | |
|---|---|---|
| Actor_ID 🔑 | SMALLINT | Primary Key For Actor Records, Identity Increment for Actor’s |
| Film_ID 🔑 | SMALLINT | Candidate Key For actor Records, Identity increment for film actor |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

- Dimension Tables:

## Rental

| **Columns** | Data Type | Description |
|---|---|---|
| Rental_ID 🔑 | SERIAL | Primary Key For rental, Identity Increment for Rentals |
| Rental_Date | TIMESTAMP(6) WITHOUT TIME ZONE | Date AND TIME OF RENTAL |
| Inventory_ID 🔑 | INTEGER | Identity Increment for Inventory |
| Customer_ID 🔑 | SMALLINT | Identity Increment for customers |
| Return_Date | TIMESTAMP(6) WITHOUT TIME ZONE | Date and Time the rental was returned |
| Staff_ID 🔑 | SMALLINT | Identity increment for staff |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Inventory

| **Columns** | Data Type | Description |
|---|---|---|
| Inventory_ID 🔑 | SERIAL | Primary Key For inventory, Identity Increment for inventory |
| Film_ID 🔑 | SMALLINT | Identity Increment for Film |
| Store_ID 🔑 | SMALLINT | Identity increment for Store |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Actor

| **Columns** | Data Type | Description |
|---|---|---|
| Actor_ID | SERIAL | Primary Key For actors, Identity Increment for Actors |
| First_Name | CHARACTER VARYING(45) | Actors First name |
| Last_Name | CHARACTER VARYING(45) | Actors Last name |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

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## Customer

| **Columns** | Data Type | Description |
|---|---|---|
| Customer_ID<br>🔑 | SERIAL | Primary Key For customer’s, Identity increment for customer’s |
| Store_ID<br>🔑 | SMALLINT | IDentity increment for Store |
| First_Name | CHARACTER VARYING(45) | Customer’s First Name |
| Last_Name | CHARACTER VARYING(45) | Customer’s Last Name |
| Email | CHARACTER VARYING(50) | Customers Email |
| Address_ID<br>🔑 | SMALLINT | Identity Increment for address |
| Activebool | BOOLEAN | It is true or false to answer if the customers in active or not |
| Create_Date | DATE | Date and Time customers profile was made |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |
| Active | INTEGER | 0 or 1 integer to answer if the customer is active or not |

## Staff

| **Columns** | Data Type | Description |
|---|---|---|
| Staff_ID<br>🔑 | SERIAL | Primary Key For staff, Identity increment for staff |
| First_Name | CHARACTER VARYING(45) | First name of staff |
| Last_Name | CHARACTER VARYING(45) | Last Name of Staff |
| Address_ID<br>🔑 | SMALLINT | Identity Increment for staffs Address |
| Email | CHARACTER VARYING(50) | Staff Email |
| Store_ID<br>🔑 | SMALLINT | Identity Increment for where staff is employed |
| Active | BOOLEAN | It is true or false to answer is the staff is active or not |
| Username | CHARACTER VARYING(16) | Staffs Username |
| Password | CHARACTER VARYING(40) | Staffs Password |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |
| Picture | BYTEA | Staffs Picture |

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## Category

| **Columns** | Data Type | Description |
|---|---|---|
| Category_ID<br>🔑 | SERIAL | Primary Key For Category, Identity for Category |
| Name | CHARACTER VARYING(25) | Category’s name |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Language

| **Columns** | Data Type | Description |
|---|---|---|
| Language_ID<br>🔑 | SERIAL | Primary Key For language, Identity increment for language |
| Name | CHARACTER(20) | Languages name |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Film

| **Columns** | Data Type | Description |
|---|---|---|
| Film_ID<br>🔑 | SERIAL | Primary Key For Film, Identity increment for Film |
| Title | CHARACTER VARYING(225) | Films title |
| Description | TEXT | Films Description |
| Release_Year | YEAR | The date and time the film was released |
| Language_ID<br>🔑 | SMALLINT | Identity increment for language of film |
| Rental_Duration | SMALLINT | The rental duration of film |
| Rental_Rate | Numeric(4,2) | How much it cost to rent film |
| Length | SMALLINT | How long the film is |
| Replacement_Cost | NUMERIC(5,2) | What it would cost to replace the film |
| Rating | mpaa_rating | The rating of the film |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |
| Special_Features | TEXT[] | If it has special features |
| Fulltext | TSVECTOR | Summary of text describing film |

## Address

| **Columns** | Data Type | Description |
|---|---|---|
| Address_ID<br>🔑 | SERIAL | Primary Key For address, Identity increment for address |

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| | | |
|---|---|---|
| Address | CHARACTER VARYING(50) | First line of address |
| Address 2 | CHARACTER VARYING(50) | Second line of address |
| District | CHARACTER VARYING(20) | The district for the address |
| City_ID<br>🔑 | SMALLINT | Identity incremental for the address of the city |
| Postal_Code | CHARACTER VARYING(10) | The postal code for the address |
| Phone | CHARACTER VARYING(20) | Phone number connected to the address |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## City

| **Columns** | Data Type | Description |
|---|---|---|
| City_ID<br>🔑 | SERIAL | Primary Key For city, Identity Increment for city |
| City | CHARACTER VARYING(50) | Name of city |
| Country_ID<br>🔑 | SMALLINT | Identity Increment for country |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |

## Country

| **Columns** | Data Type | Description |
|---|---|---|
| Country_ID<br>🔑 | SERIAL | Primary Key For country, Identity Increment for country |
| Country | CHARACTER VARYING(50) | THe name of country |
| Last_Update | TIMESTAMP(6) WITHOUT TIME ZONE | The Date and time it was last updated |