DATA DICTIONARY:

Rockbuster SLL Database

Núria Miquel April 2023

***TABLE OF CONTENTS***

[1. ICON LEGEND 3](#_Toc163489568)

[2. ERD 4](#_Toc163489569)

[3. TABLES 5](#_Toc163489570)

[1. PAYMENT 5](#_Toc163489571)

[2. RENTAL 5](#_Toc163489572)

[3. STORE 6](#_Toc163489573)

[4. FILM ACTOR 6](#_Toc163489574)

[5. INVENTORY 6](#_Toc163489575)

[6. FILM\_CATEGORY 7](#_Toc163489576)

[7. CUSTOMER 7](#_Toc163489577)

[8. STAFF 8](#_Toc163489578)

[9. ACTOR 8](#_Toc163489579)

[10. FILM 9](#_Toc163489580)

[11. CATEGORY 9](#_Toc163489581)

[12. ADDRESS 10](#_Toc163489582)

[13. LANGUAGE 10](#_Toc163489583)

[14. CITY 11](#_Toc163489584)

[15. COUNTRY 11](#_Toc163489585)

## ICON LEGEND

|  |  |
| --- | --- |
| Clave con relleno sólido | Primary Key |
| Atrás con relleno sólido | Foreign Key |
| Clave contorno | Composite Key |

## ERD

Diagrama

Descripción generada automáticamente

## TABLES

***FACT TABLES***

### PAYMENT

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | payment\_id | SERIAL | Primary key. Unique number that identifies the transaction |
| Atrás con relleno sólido | customer\_id | SMALL INT | Foreign key. Unique number that identifies the costumer |
| Atrás con relleno sólido | staff\_id | SMAL INT | Foreign key. Unique number that identifies the staff member. |
| Atrás con relleno sólido | rental\_id | INTEGER | Foreign key. Unique number that identifies the rental |
|  | amount | NUMERIC (5,2) | Amount of money payed for the rental |
|  | payment\_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date when the payment was done. |

### RENTAL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Columns** | **Data Type** | | **Description** |
| Clave con relleno sólido | rental\_id | SERIAL | Primary key. Unique number that identifies the rental | |
|  | rental\_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date in which the rental was done | |
| Atrás con relleno sólido | inventory\_id | INTEGER | Foreign key. Unique number that identifies the inventory | |
| Atrás con relleno sólido | customer\_id | SMALLINT | Foreign key. Unique number that identifies the customer | |
|  | return\_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date in which the film was returned | |
| Atrás con relleno sólido | staff\_id | SMALLINT | Foreign key. Unique number that identifies the staff member | |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Date when the last update was done | |

***DIMENSION TABLES***

### STORE

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | store\_id | SERIAL | Primary key. Unique number that identifies the store |
|  | manager\_staff\_id | SMALLINT | Unique number that identifies the store manager |
| Atrás con relleno sólido | address\_id | SMALLINT | Foreign key. Unique number that identifies the address |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Date when the last update was done |

### FILM ACTOR

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave contorno | actor\_id | SMALLINT | Composite key. Unique number that identifies the actor |
| Clave contorno | film\_id | SMALLINT | Composite key. Unique number that identifies the film |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### INVENTORY

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | inventory\_id | SERIAL | Primary key. Unique number that identifies the inventory |
| Atrás con relleno sólido | film\_id | SMALLINT | Foreign key. Unique number that identifies the film |
| Atrás con relleno sólido | store\_id | SMALLINT | Foreign key. Unique number that identifies the store |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### FILM\_CATEGORY

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Atrás con relleno sólidoClave contorno | film\_id | SMALLINT | Foreign key. Composite key. Unique number that identifies the film |
| Atrás con relleno sólidoClave contorno | category\_id | SMALLINT | Foreign key. Composite key. Unique number that identifies the category |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### CUSTOMER

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | customer\_id | SERIAL | Primary Key. Unique number that identifies the customer |
| Atrás con relleno sólido | store\_id | SMALLINT | Foreign key. Unique number that identifies the store |
|  | first\_name | CHARACTER VARYING(45) | Costumer's first name (max 45 characters) |
|  | last\_name | CHARACTER VARYING(45) | Costumer's last name (max 45 characters) |
|  | email | CHARACTER VARYING(50) | Costumer's email address (max 50 characters) |
| Atrás con relleno sólido | address\_id | SMALLINT | Foreign key. Unique number that identifies the customer's address |
|  | activebool | BOOLEAN | Boolean (true/false) depicting a customer's status |
|  | create\_date | DATE | Date when the customer's account was created |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |
|  | active | INTEGER | An integer that indicates if the customer is active or not. |

### STAFF

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | staff\_id | SERIAL | Primary Key. Unique number that identifies the staff member |
|  | first\_name | CHARACTER VARYING(45) | Costumer's first name (max 45 characters) |
|  | last\_name | CHARACTER VARYING(45) | Costumer's last name (max 45 characters) |
| Atrás con relleno sólido | address\_id | SMALLINT | Foreign key. Unique number that identifies the staff member's address |
|  | email | CHARACTER VARYING(50) | Costumer's email address (max 50 characters) |
| Atrás con relleno sólido | store\_id | SMALLINT | Foreign key. Unique number that identifies the store |
|  | active | BOOLEAN | Boolean (true/false) depicting a staff member's status |
|  | username | CHARACTER VARYING(16) | Employee's identifier for loging in |
|  | password | CHARACTER VARYING(40) | Employee's password for loging in |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |
|  | picture | BYTEA | Employee's picture in binary format |

### ACTOR

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | actor\_id | SERIAL | Primary Key. Unique number that identifies the actor |
|  | first\_name | CHARACTER VARYING(45) | Actor's first name (max 45 characters) |
|  | last\_name | CHARACTER VARYING(45) | Actor's last name (max 45 characters) |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### FILM

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | film\_id | SERIAL | Primary key. Unique number that identifies the fil |
|  | title | CHARACTER VARYING(45) | Title of the fil (max 45 characters) |
|  | descrption | TEXT | Description of the film |
|  | release\_year | YEAR | Year in which the film was released |
| Atrás con relleno sólido | language\_id | SMALLINT | Foreign key. Unique number that identifies the language of the film |
|  | rental\_duration | SMALLINT | Duration of the rental |
|  | rental\_rate | NUMERIC (4,2) | Rental of the rate (max 4 digits which 2 can be decimal) |
|  | length | SMALLINT | Duration of the film |
|  | replacement\_cost | NUMERIC (4,2) | Cost of replacing the film (max 4 digits which 2 can be decimal) |
|  | rating | mpaa\_rating | Rating accourding to the mpaa |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |
|  | special\_features | TEXT[] | Extra content available with the film |
|  | fulltext | TSVECTOR | Extra information on the movie that can be searched trough with a TSVECTOR query |

### CATEGORY

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | category\_id | SERIAL | Primary key. Unique number to identify the film category |
|  | name | CHARACTER VARYING(45) | Name of the category |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### ADDRESS

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | address\_id | SERIAL | Primary key. Unqiue number to identify the address |
|  | address | CHARACTER VARYING(50) | Address information |
|  | address2 | CHARACTER VARYING(50) | Address information |
|  | district | CHARACTER VARYING(20) | Address information (District) |
| Atrás con relleno sólido | city\_id | SMALLINT | Foreign key. Unique number to identify the city |
|  | postal\_code | CHARACTER VARYING(10) | Adress information (postal code) |
|  | phone | CHARACTER VARYING(20) | Phone number |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### LANGUAGE

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | language\_id | SERIAL | Primary Key. Unique number to identify the language |
|  | name | CHARACTER (20) | Language used |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### CITY

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | city\_id | SERIAL | Primary key. Unique number to identify the city |
|  | city | CHARACTER VARYING (50) | Name of the city |
| Atrás con relleno sólido | country\_id | SMALLINT | Foreign key. Unique number to identify the country |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |

### COUNTRY

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Columns** | **Data Type** | **Description** |
| Clave con relleno sólido | country\_id | SERIAL | Primary key. Unique number to identify the country |
|  | country | CHARACTER VARYING (50) | Name of the country |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time when the last update was done |