ROCKBUSTER

Data Dictionary



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**1. Business Entities**

**Diagram

Description automatically generated**

**Diagram

Description automatically generatedDiagram

Description automatically generatedDiagram

Description automatically generated**

**2. Legends**

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated Primary Key

Graphical user interface, application, Word

Description automatically generated Foreign Key

Composite Key

Ver las imágenes de origenVer las imágenes de origen Links To

Linked From

**3. Tables**

**3.1. Actor**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Actor\_id | SERIAL | Identity number assigned to each actor. |
|  | First\_name | CHARACTER VARYING (45) | Actor/Actress´ First name |
|  | Last\_name | CHARACTER VARYING (45) | Actor/Actress´ last name |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Linked from*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | film\_actor | Film\_actor.actor\_id =actor.actor\_id | Foreign key constraint referencing actor.actor\_id |

**3.2. Address**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | address\_id | SERIAL | Identity number assigned to the customer or staff address |
|  | address | CHARACTER VARYING(50) | First line of address |
|  | address2 | CHARACTER VARYING(50) | Second line of address |
|  | district | CHARACTER VARYING(20) | District |
| Graphical user interface, text, application  Description automatically generated | city\_id | SMALLINT | Identity number assigned to each city |
|  | postal\_code | CHARACTER VARYING(10) | Address ‘postal code |
|  | phone | CHARACTER VARYING(20) | Telephone number |
|  | last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | city | address.city = city.city | Foreign key constraint referencing city.city\_id |

*Linked from*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | customer | Customer.address\_id = address.address\_id | Foreign key constraint referencing address.address\_id |
| Ver las imágenes de origenVer las imágenes de origen | staff | Staff.address\_id = address.address\_id | Foreign key constraint referencing address.address\_id |
|  | store | Store.address\_id = address.address\_id | Foreign key constraint referencing address.address\_id |

**3.3. Category**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | category\_id | SERIAL | Identity number assigned to each genre. |
|  | name | CHARACTER VARYING (25) | Name of genre. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | Film\_category | Film\_category.category\_id = category.category\_id | Foreign key constraint referencing category.category\_id |

**3.4. City**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | City\_id | SERIAL | Identity number assigned to each city |
|  | City | CHARACTER VARYING(50) | Name of city |
| Graphical user interface, text, application  Description automatically generated | Country\_id | SMALLINT | Identity number assigned to each country |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | country | Country.country\_id = city.country\_id | Foreign key constraint referencing country.country\_id |

*Linked from*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | address | Address.city\_id = city.city\_id | Foreign key constraint referencing city.city\_id |

**3.5. Country**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Country\_id | SERIAL | Identity number assigned to each country |
|  | Country | CHARACTER VARYING(50) | Name of country |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | city | City.country\_id = country.country\_id | Foreign key constraint referencing country.country\_id |

**3.6. Customer**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Customer\_id | SERIAL | Identity number assigned to customer. |
|  | Store\_id | SMALLINT | Identity number assigned to store. |
|  | First\_name | CHARACTER VARYING(45) | Customer´s first name |
|  | Last\_name | CHARACTER VARYING(45) | Customer´s last name |
|  | Email | CHARACTER VARYING(50) | Customer´s email address |
| Graphical user interface, text, application  Description automatically generated | Address\_id | SMALLINT | Identity number assigned to the customer´s address |
|  | Activebool | BOOLEAN | Feature to determine if any rental is active for that customer |
|  | Create\_date | DATE | Date customers details were created. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |
|  | active | INTEGER | Is the customer active on his account? |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | address | Address.address\_id = customer.address\_id | Foreign key constraint referencing address.address\_id |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | Payment | Payment\_customer\_id = customer.customer\_id | Foreign key constraint referencing customer.customer\_id |
| Ver las imágenes de origen | rental | Rental.customer\_id = customer.customer\_id | Foreign key constraint referencing customer.customer\_id |

**3.7. Film**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Film\_id | SERIAL | Identity number assigned to each film. |
|  | Title | CHARACTER VARYING (255) | Movie title |
|  | Description | TEXT | Brief description of the movie´s argument. |
|  | Release\_year | Year | Year the movie was released |
| Graphical user interface, text, application  Description automatically generated | Language\_id | SMALLINT | Identity number assigned to each language. |
|  | Rental\_duration | SMALLINT | Duration of the rentals. |
|  | Rental rate | NUMERIC (4,2) | Price rate of rentals. |
|  | Length | SMALLINT | Length of film |
|  | Replacement\_cost | NUMERIC (5.2) | Cost of replacement |
|  | Rating | Mpaa\_rating | Movie rating |
|  | Last update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |
|  | Special\_features | TEXT | Special features that the movies may include. |
|  | Full\_text | TSVECTOR | Keywords associated with film. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | language | Language.language\_id = film.language\_id | Foreign key constraint referencing language.language\_id |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | Film\_actor | Film\_actor.film\_id = film.film\_id | Foreign key constraint referencing film.film\_id |
| Ver las imágenes de origen | Inventory | Inventory.film\_id = film.film\_id | Foreign key constraint referencing film.film\_id |
| Ver las imágenes de origen | Film\_category | Film\_category.Film = film.film\_id | Foreign key constraint referencing film.film\_id |

**3.8. Film\_actor**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, application, Word  Description automatically generated | actor\_id | SMALLINT | Identity number assigned to actor. |
| Graphical user interface, application, Word  Description automatically generated | film\_id | SMALLINT | Identity number assigned to films. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | film | Film\_actor.film\_id = film.film\_id | Foreign key constraint referencing film.film\_id |
| Ver las imágenes de origen | actor | film\_actor.actor\_id | Foreign key comstraint referencing actor.actor\_id |

**3.9. Film\_category**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, application, Word  Description automatically generated | film\_id | SMALLINT | Identity number assigned to each film. |
| Graphical user interface, application, Word  Description automatically generated | Category\_id | SMALLINT | Identity number assigned to each category. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | film | Film.film\_id = film\_category.film\_id | Foreign key constraint referencing film.film\_id |
| Ver las imágenes de origen | category | Category.category\_id = film\_category.category\_id | Foreign key constraint referencing category.category\_id |

**3.10. Inventory**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Inventory\_id | SMALLINT | Identity number assigned to inventory. |
| Graphical user interface, text, application  Description automatically generated | Film\_id | SMALLINT | Identity number assigned to film. |
|  | Store\_id | SERIAL | Identity number assigned to each store. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | film | film.film\_id = inventory.film\_id | Foreign key constraint referencing film.film\_id |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | rental | Rental.inventory\_id = inventory.inventory\_id | Foreign key constraint referencing inventory.inventory\_id |

**3.11. Language**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Language\_id | SERIAL | Identity number assigned to each language. |
|  | name | CHARACTER (20) | Name of language. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | film | Film.language\_id = language.language\_id | Foreign key constraint referencing language.language\_id |

**3.12. Payment**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Payment\_id | SERIAL | Identity number assigned to payments. Primary key |
| Graphical user interface, text, application  Description automatically generated | Customer\_id | SMALLINT | Identity number assigned to customers. |
| Graphical user interface, text, application  Description automatically generated | Staff\_id | SMALLINT | Identity number assigned to staff serving customer. |
| Graphical user interface, text, application  Description automatically generated | Rental\_id | INTEGER | Identity number assigned to rental. |
|  | Amount | NUMERIC (5,2) | Amount paid for the rental. |
|  | Payment date | TIMESTAMP (6) WITHOUT TIME ZONE | Date of the transaction. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | customer | Customer.customer\_id = payment.customer\_id | Foreign key constraint referencing customer.customer\_id |
| Ver las imágenes de origen | staff | Staff.staff\_id = payment.staff\_id | Foreign key constraint referencing staff.staff\_id |
| Ver las imágenes de origen | rental | Rental.rental\_id = payment.rental\_id | Foreign key constraint referencing rental.rental\_id |

**3.13. Rental**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Rental\_id | SERIAL | Identity number assigned to rental. |
|  | Rental\_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date of rental. |
| Graphical user interface, text, application  Description automatically generated | Inventory\_id | INTEGER | Identity number assigned to inventory. |
| Graphical user interface, text, application  Description automatically generated | Customer\_id | SMALLINT | Identity number assigned to each customer. |
|  | Return\_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date the rental was returned |
| Graphical user interface, text, application  Description automatically generated | Staff\_id | SMALLINT | Identity number assigned to serving customer |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | Inventory | Inventory.inventory\_id = rental.inventory\_id | Foreign key constraint referencing inventory.inventory\_id |
| Ver las imágenes de origen | Customer | Customer.customer\_id = rental.customer\_id | Foreign key constraint referencing customer.customer\_id |
| Ver las imágenes de origen | staff | Staff.staff\_id = rental.staff\_id | Foreign key constraint referencing staff.staff\_id |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | payment | Payment.rental\_id = rental.rental\_id | Foreign key constraint referencing rental.rental\_id |

**3.14. Staff**

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Columns | Data Type | Description |
| Graphical user interface, text, application  Description automatically generated | Staff\_id | SERIAL | Identity number assigned to staff |
|  | First\_name | CHARACTER VARYING(45) | Staff member´s first name |
|  | Last\_name | CHARACTER VARYING(45) | Staff member´s last name |
| Graphical user interface, text, application  Description automatically generated | Address\_id | SMALLINT | Identity number assigned to the customer´s address |
|  | Email | CHARACTER VARYING(50) | Staff member´s email address |
|  | Store\_id | SMALLINT | Identity number of the store the staff member works in. |
|  | Active | BOOLEAN | Feature to determine if the staff member is still an active employee |
|  | Username | CHARACTER VARYING(16) | Username created by the staff member to access account |
|  | password | CHARACTER VARYING(40) | Password created by the staff member to access account |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |
|  | Picture | BYTEA | Picture of employee |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | address | Address.address\_id = staff.address\_id | Foreign key constraint referencing address.address\_id |

*Linked From*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | payment | Payment.staff\_id = staff.staff\_id | Foreign key constraint referencing staff.staff\_id |

**3.15. Store**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Columns | Data Type | Description |
|  | Store\_id | SERIAL | Identity number assigned to each store. Primary key |
| Graphical user interface, text, application  Description automatically generatedGraphical user interface, text, application  Description automatically generated | Manager\_staff\_id | SMALLINT | Identity number assigned to each store manager. |
| Graphical user interface, text, application  Description automatically generated | Address\_id | SMALLINT | Identity number assigned to each store´s address. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIME ZONE | Last time the entries for this field were updated in the system. |

*Links To*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Table | Join | Description |
| Ver las imágenes de origen | Staff | Staff.staff\_id = store.staff\_id | Foreign key constraint referencing staff.staff\_id |
| Ver las imágenes de origen | address | Address.address\_id = store.address\_id | Foreign key constraint referencing address.address\_id |