**Rockbuster Data Dictionary**

Icon

Description automatically generated

**Table of Contents**

[Entity Relationship Diagram (ERD)](#Entity) ....................................... Pg.3

[Tables](#Tables) ....................................................................................... Pg.4

[Actor](#Actor) ........................................................................... Pg.4

[Address](#Address) ...................................................................... Pg.4

[Category](#Category) .................................................................... Pg.5

[City](#City) ............................................................................. Pg.5

[Country](#Country) ...................................................................... Pg.6

[Customer](#Customer) ................................................................... Pg.6

[Film](#Film) ............................................................................ Pg.7

[Film\_Actor](#Film_actor) ................................................................ Pg.8

[Film\_Category](#Film_category) .......................................................... Pg.8

[Inventory](#Inventory) .................................................................. Pg.9

[Language](#Language) .................................................................. Pg.9

[Payment](#Payment) ................................................................... Pg.10

[Rental](#Rental) ....................................................................... Pg.11

[Staff](#Staff) .......................................................................... Pg.11

[Store](#Store) ......................................................................... Pg.12

Entity Relationship Diagram (ERD)

Diagram, table

Description automatically generated

Tables

(Alphabetical)  
In the following section, each table is listed with descriptions of its columns and followed by its keys.

**Actor**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Actor\_id | SERIAL | Number assigned to actor |
| First\_name | CHARACTERVARYING(45) | First name of actor |
| Last\_name | CHARACTERVARYING(45) | Last name of actor |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Actor\_id | Primary | Film\_actor → actor |

**Address**

|  |  |  |
| --- | --- | --- |
| **Address** | | |
| **Column** | **Data Type** | **Description** |
| Address\_id | SERIAL | Number assigned to address |
| Address | CHARACTERVARYING(50) | Street address |
| Address2 | CHARACTERVARYING(50) | Supplemental street address |
| District | CHARACTERVARYING(20) | District |
| City\_id | SMALLINT | Number assigned to city |
| Postal\_code | CHARACTERVARYING(10) | Postal code |
| Phone | CHARACTERVARYING(20) | Phone number |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Address\_id | Primary | Customer → Address| Staff → Address| Store → Address |
| City\_id | Foreign | Address → City |

**Category**

|  |  |  |
| --- | --- | --- |
| **Category** | | |
| **Column** | **Data Type** | **Description** |
| Category\_id | SERIAL | Number assigned to genre |
| Name | CHARACTERVARYING(25) | Name of genre |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Category\_id | Primary | Film\_category → category |

**City**

|  |  |  |
| --- | --- | --- |
| **City** | | |
| **Column** | **Data Type** | **Description** |
| City\_id | SERIAL | Number assigned to city |
| City | CHARACTERVARYING(50) | Name of city |
| Country\_id | SMALLINT | Number assigned to country |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| City\_id | Primary | Address → City |
| Country\_id | Foreign | City → Country |

**Country**

|  |  |  |
| --- | --- | --- |
| **Country** | | |
| **Column** | **Data Type** | **Description** |
| Country\_id | SERIAL | Number assigned to country |
| Country | CHARACTERVARYING(50) | Name of country |
| Last\_updated | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Table** | **Joined Table** |
| Country\_id | Primary | City → Country |

**Customer**

|  |  |  |
| --- | --- | --- |
| **Customer** | | |
| **Column** | **Data Type** | **Description** |
| Customer\_id | SERIAL | Number assigned to customer |
| Store\_id | SMALLINT | Number assigned to store |
| First\_name | CHARACTERVARYING(45) | First name of customer |
| Last\_name | CHARACTERVARYING(45) | Last name of customer |
| Email | CHARACTERVARYING(50) | Email address of customer |
| Address\_id | SMALLINT | Number assigned to customer’s address |
| Activebool | BOOLEAN | Is customer active? |
| Create\_date | DATE | Date entry was created |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |
| active | INTEGER | Is customer active? |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Customer\_id | Primary | Payment → Customer | Rental → Customer |
| Address\_id | Foriegn | Customer → Address |

**Film**

|  |  |  |
| --- | --- | --- |
| **Film** | | |
| **Column** | **Data Type** | **Description** |
| Film\_id | SERIAL | Number assigned to film |
| Title | CHARACTERVARYING(255) | Title of film |
| Description | TEXT | Description of film |
| Release\_year | YEAR | Release year of film |
| Language\_id | SMALLINT | Number assigned to language of film |
| Rental\_duration | SMALLINT | Length of film rental |
| Rental\_rate | NUMERIC(4,2) | Price of film rental |
| Length | SMALLINT | Length of film |
| Replacement\_Cost | NUMERIC(5,2) | Cost to replace film |
| Rating | Mpaa\_rating | Film rating |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |
| Special\_features | TEXT[] | Special features included with film |
| fulltext | TSVECTOR | Keywords associated with film |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Film\_id | Primary | Film\_actor → Film | Film\_category → Film | Inventory → Film |
| Language\_id | Foreign | Film → Language |

**Film\_actor**

|  |  |  |
| --- | --- | --- |
| **Film\_actor** | | |
| **Column** | **Data Type** | **Description** |
| Actor\_id | SMALLINT | Number assigned to actor |
| Film\_id | SMALLINT | Number assigned to film |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Data entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Actor\_id | Primary | Film\_actor ↔ Actor |
| Film\_id | Foreign | Film\_actor ↔Film |

**Film\_category**

|  |  |  |
| --- | --- | --- |
| **Film\_category** | | |
| **Column** | **Data Type** | **Description** |
| Film\_id | SMALLINT | Number assigned to film |
| Category\_id | SMALLINT | Number to genre |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Data entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Film\_id | Primary | Film\_category ↔ Film |
| Category\_id | Foreign | Film\_category ↔ Category |

**Inventory**

|  |  |  |
| --- | --- | --- |
| **Inventory** | | |
| **Column** | **Data Type** | **Description** |
| Inventory\_id | SERIAL | Number assigned to item |
| Film\_id | SMALLINT | Number assigned to film |
| Store\_id | SMALLINT | Number assigned to store |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Data entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Inventory\_id | Primary | Rental → Inventory |
| Film\_id | Foreign | Inventory → Film |

**Language**

|  |  |  |
| --- | --- | --- |
| **Language** | | |
| **Column** | **Data Type** | **Description** |
| Language\_id | SERIAL | Number assigned to language |
| Name | CHARACTER(20) | Name of Language |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Language\_id | Primary | Film → Language |

**Payment**

|  |  |  |
| --- | --- | --- |
| **Payments** | | |
| **Column** | **Data Type** | **Description** |
| Payment\_id | SERIAL | Number assigned to payment |
| Customer\_id | SMALLINT | Number assigned to customer |
| Staff\_id | SMALLINT | Number assigned to employee checking out customer |
| Rental\_id | INTEGER | Number assigned to rental |
| Amount | NUMERIC(5,2) | Amount paid |
| Payment\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of payment |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Payment\_id | Primary | N/A |
| Customer\_id | Foreign | Payment → Customer |
| Staff\_id | Foreign | Payment → Staff |
| Rental\_id | Foreign | Payment → Rental |

**Rental**

|  |  |  |
| --- | --- | --- |
| **Rental** | | |
| **Column** | **Data Type** | **Description** |
| rental\_id | SERIAL | Number assigned to rental |
| Rental\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of rental |
| Inventory\_id | INTEGER | Number assigned to item |
| Customer\_id | SMALLINT | Number assigned to customer |
| Return\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date rental was returned |
| Staff\_id | SMALLINT | Number assigned to employee checking out customer |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Data entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Rental\_id | Primary | Payment → Rental |
| Inventory\_id | Foreign | Rental → Inventory |
| Customer\_id | Foreign | Rental → Customer |
| Staff\_id | Foreign | Rental → Staff |

**Staff**

|  |  |  |
| --- | --- | --- |
| **Staff** | | |
| **Column** | **Data Type** | **Description** |
| Staff\_id | SERIAL | Number assigned to employee |
| First\_name | CHARACTERVARYING(45) | First name of employee |
| Last\_name | CHARACTERVARYING(45) | Last name of employee |
| Address\_id | SMALLINT | Number assigned to employees address |
| Email | CHARACTERVARYING(50) | Email address of employee |
| Store\_id | SMALLINT | Number assigned to store |
| active | BOOLEAN | Is employee active? |
| Username | CHARACTERVARYING(16) | Username of employee |
| Password | CHARACTERVARYING(40) | Password of employee |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |
| picture | BYTEA | Picture of employee |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Staff\_id | Primary | Payment → Staff | Rental → Staff | Store → Staff |
| Address\_id | Foreign | Staff → Address |

**Store**

|  |  |  |
| --- | --- | --- |
| **Store** | | |
| **Column** | **Data Type** | **Description** |
| Store\_id | SERIAL | Number assigned to store |
| Manager\_staff\_id | SMALLINT | Number assigned to store manager |
| Address\_id | SMALLINT | Number assigned to store address |
| Last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Data entry was last updated |

|  |  |  |
| --- | --- | --- |
| **Key** | **Key Type** | **Joined Table** |
| Store\_id | Primary | Staff → Store |
| Manager\_staff\_id | Foreign | Store → Staff |
| Address\_id | Foreign | Store → Address |