**Rockbuster Stealth**

**Data Dictionary**

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Table of Contents

[Entity Relationship Diagram 4](#_Toc109762484)

[Fact Table 5](#_Toc109762485)

[Rental 5](#_Toc109762486)

[Dimension Tables 5](#_Toc109762487)

[Payment 5](#_Toc109762488)

[Store 6](#_Toc109762489)

[Inventory 7](#_Toc109762490)

[Film\_actor 7](#_Toc109762491)

[Film\_category 7](#_Toc109762492)

[Customer 8](#_Toc109762493)

[Staff 9](#_Toc109762494)

[Actor 10](#_Toc109762495)

[Film 10](#_Toc109762496)

[Category 11](#_Toc109762497)

[Address 12](#_Toc109762498)

[Language 12](#_Toc109762499)

[City 13](#_Toc109762500)

[Country 13](#_Toc109762501)

# Entity Relationship Diagram

Diagram, table

Description automatically generated

# Fact Table

## Rental

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| rental\_id | SERIAL | Number assigned to Rental | payment |  | Primary Key |
| Rental\_date | TIMESTAMP(6)WITHOUT TIMEZONE | Date of rental |  |  |  |
| inventory\_id | INTEGER | Number assigned to item |  | Inventory | Foreign Key |
| customer\_id | SMALLINT | Number assigned to Customer |  | customer | Foreign Key |
| return\_date | TIMESTAMP(6)WITHOUT TIMEZONE | Date of return |  |  |  |
| staff\_id | SMALLINT | Number assigned to Employee |  | staff | Foreign Key |
| last\_update | TIMESTAMP(6)WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

# Dimension Tables

## Payment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| payment\_id | SERIAL | Number assigned to the Payment |  |  | Primary |
| customer\_id | SMALLINT | Number assigned to the Customer |  | customer | Foreign Key |
| staff\_id | SMALLINT | Number assigned to the Employee |  | staff | Foreign Key |
| rental\_id | INTEGER | Number assigned to the Rental |  | rental | Foreign Key |
| amount | NUMERIC(5, 2) | Amount paid |  |  |  |
| payment\_date | TIMESTAMP(6)WITHOUT TIMEZONE | Date of payment |  |  |  |

## Store

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| store\_id | SERIAL | Number assigned to the store |  |  | primary |
| manager\_staff\_id | SMALLINT | Number assigned to the manager |  | staff | Foreign Key |
| address\_id | SMALLINT | Number assigned to the store address |  | address | Foreign Key |
| last\_update | TIMESTAMP(6)WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Inventory

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| inventory\_id | INTEGER | Number assigned to item | rental |  | Primary Key |
| film\_id | SMALLINT | Number assigned to film |  | film | Foreign Key |
| store\_id | SERIAL | Number assigned to the store |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Film\_actor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| actor\_id | SMALLINT | Number assigned to actor |  | actor | Primary Key |
| film\_id | SMALLINT | Number assigned to film |  | film | Foreign Key |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Film\_category

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| film\_id | SMALLINT | Number assigned to film |  | film | Foreign Key |
| category\_id | SMALLINT | Number assigned to category |  | category | Foreign Key |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Customer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| customer\_id | SMALLINT | Number assigned to the Customer | rental, payment |  | Primary |
| store\_id | SERIAL | Number assigned to the store |  |  |  |
| first\_name | CHARACTER VARYING(45) | Customer first name |  |  |  |
| last\_name | CHARACTER VARYING(45) | Customer last name |  |  |  |
| email | CHARACTER VARYING(45) | Customer email |  |  |  |
| address\_id | SMALLINT | Number assigned to the customer address |  | address | Foreign Key |
| activebool | BOOLEAN | If customer is active |  |  |  |
| create\_date | DATE | Date customer was created |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |
| active | INTEGER | If customer is active |  |  |  |

## Staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| staff\_id | SMALLINT | Number assigned to the Employee | payment, rental, store |  | Primary Key |
| first\_name | CHARACTER VARYING(45) | employee first name |  |  |  |
| last\_name | CHARACTER VARYING(45) | Employee last name |  |  |  |
| address\_id | SMALLINT | Number assigned to the employee address |  | address | Foreign Key |
| email | CHARACTER VARYING(45) | Employee email |  |  |  |
| store\_id | SERIAL | Number assigned to the store |  |  |  |
| active | BOOLEAN | If employee is active |  |  |  |
| username | CHARACTER VARYING(45) | Employee username |  |  |  |
| Password | CHARACTER VARYING(45) | Employee password |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |
| picture | BYTEA | Employee photo |  |  |  |

## Actor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| actor\_id | serial | Number assigned to actor | film\_actor |  | Primary Key |
| first\_name | CHARACTER VARYING(45) | Actor first name |  |  |  |
| last\_name | CHARACTER VARYING(45) | Actor last name |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Film

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| film\_id | SMALLINT | Number assigned to film | inventory, film\_category, film\_actor |  | Primary Key |
| title | CHARACTER VARYING(45) | Movie name |  |  |  |
| description | TEXT | Movie description |  |  |  |
| release\_year | year | Year released |  |  |  |
| language\_id | SMALLINT | Number assigned to language |  | language | Foreign Key |
| rental\_duration | SMALLINT | Length of rental |  |  |  |
| rental\_rate | Numeric(42) | Rate of rental |  |  |  |
| length | SMALLINT | Length of movie |  |  |  |
| replacement\_cost | NUMERIC(5, 2) | Cost of replacing movie |  |  |  |
| rating | Mpaa\_rating | Movie rating score |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |
| special\_features | TEXT | Special features of film |  |  |  |
| fulltext | TSVECTOR | Full text of film |  |  |  |

## Category

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| category\_id | SERIAL | Number assigned to category | film\_category |  | Primary Key |
| name | CHARACTER VARYING(45) | Name of category |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Address

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| address\_id | SERIAL | Number assigned to the address | staff, store, customer |  | Primary Key |
| Address | CHARACTER VARYING(50) | Address |  |  |  |
| address2 | CHARACTER VARYING(50) | Address 2 |  |  |  |
| district | CHARACTER VARYING(20) | State/province |  |  |  |
| city\_id | SMALLINT | City |  | city | Foreign Key |
| postal\_code | CHARACTER VARYING(10) | Zip code |  |  |  |
| phone | CHARACTER VARYING(20) | Phone number |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Language

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| language\_id | INTEGER | Number assigned to language | film |  | Primary Key |
| name | CHARECTER(20) | Name of language |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## City

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| city\_id | SERIAL | Number assigned to city | address |  | Primary Key |
| city | CHARACTER VARYING(50) | City |  |  |  |
| country\_id | SMALLINT | Number assigned to country |  | country | Foreign Key |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |

## Country

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Data Type | Description | Links From | Links to | Key |
| country\_id | SERIAL | Number assigned to country | city |  | Primary Key |
| country | CHARACTER VARYING(50) | Country |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |  |  |  |