Rockbuster Stealth: Data Dictionary

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#### Entity Relationship Diagram

Diagram, schematic

Description automatically generated

**Fact Tables**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rentals** |  |  |  |  |  |
| **Columns** | **Data Type** | **Description** | **Key** | **Links TO** | **Links FROM** |
| rental\_id | Integer | Number assigned to rental | Primary |  | Payment |
| rental\_date | Timestamp without time zone | The date of the rental |  |  |  |
| Inventory\_id | Integer | Number assigned to item | Foreign | Inventory |  |
| Customer\_id | smallint | Number assigned to customer | Foreign | Customer |  |
| Return\_date | Timestamp without time zone | The date the rental was returned |  | Staff |  |
| Staff\_id | Smallint | Number assigned to employee | Foreign |  |  |
| Last\_update | Timestamp without time zone | Last time data was updated. |  |  |  |

**Dimension Tables**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Staff** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links To** | **Links FROM** |
| staff\_id | Integer | Number assigned to employee | Primary |  | Payment, Store,  Rental |
| first\_name | character varying (45) | Employee first name |  |  |  |
| last\_name | character varying (45) | Employee Last name |  |  |  |
| address\_id | smallint | Number assigned to employee address | Foreign | Address |  |
| email | character varying (50) | Employee email |  |  |  |
| store\_id | smallint | Number assigned to store |  |  |  |
| active | boolean | Is employee active |  |  |  |
| username | character varying (16) | Employee username |  |  |  |
| password | character varying (40) | Employee password |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |
| picture | Bytea | A picture of employee |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Actor** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked TO** | **Linked FROM** |
| actor\_id | integer | Number assigned to actor | Primary |  | Film\_actor |
| first\_name | character varying (45) | Actor First name |  |  |  |
| last\_name | character varying (45) | Actor Last name |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Customer** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links TO** | **Links FROM** |
| customer\_id | integer | Number assigned to customer | Primary |  | Rental,  Payment |
| store\_id | smallint | Number assigned to store |  |  |  |
| first\_name | character varying (45) | Customer First Name |  |  |  |
| last\_name | character varying (45) | Customer Last name |  |  |  |
| email | character varying (50) | Customer Email |  |  |  |
| address\_id | smallint | Number assigned to customer address | Foreign | Address |  |
| activebool | boolean | Is customer active |  |  |  |
| create\_date | date | Date data entry was created |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |
| active | integer | Is customer active |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Film** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked T0** | **Linked FROM** |
| film\_id | integer | Number assigned to film | Primary |  | Film\_actor,  Inventory,  Film\_category |
| title | character varying (255) | Title of film |  |  |  |
| description | text | Description of the film |  |  |  |
| release\_year | integer | Year film was released |  |  |  |
| language\_id | smallint | Language film is in | Foreign | Language |  |
| rental\_duration | smallint | Duration of time film was rented |  |  |  |
| rental\_rate | numeric | Cost of film rental |  |  |  |
| length | smallint | Length of film |  |  |  |
| replacement\_cost | numeric | Cost to replace film |  |  |  |
| rating | USER-DEFINED | Film rating |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |
| special\_features | ARRAY | Special features in the film. |  |  |  |
| fulltext | tsvector | Keywords associated with film |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Film\_actor** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links To** | **Links FROM** |
| actor\_id | smallint | Number assigned to actor | Primary  Foreign | Actor |  |
| film\_id | smallint | Number assigned to film | Primary  Foreign | Film |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Address** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked TO** | **Linked From** |
| address\_id | integer | Number assigned to address | Primary |  | Customer,  Staff,  Store |
| address | character varying (50) | Street Address line one |  |  |  |
| address2 | character varying (50) | Street Address line two |  |  |  |
| district | character varying (20) | District |  |  |  |
| city\_id | smallint | Number assigned to city | Foreign | City |  |
| postal\_code | character varying (10) | City postal code |  |  |  |
| phone | character varying (20) | Phone number associated with address |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Category** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked TO** | **Linked FROM** |
| category\_id | integer | Number assigned to category | Primary |  | Film\_category |
| name | character varying (25) | Name of category |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **City** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked TO** | **Linked FROM** |
| city\_id | integer | Number assigned to city | Primary |  | Address |
| city | character varying (50) | Name of city |  |  |  |
| country\_id | smallint | Number assigned to country | Foreign | Country |  |
| last\_update | timestamp without time zone | Last time data was updated. |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Country** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked TO** | **Linked FROM** |
| country\_id | integer | Number assigned to country | Primary |  | City |
| country | character varying (50) | Name of Country |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Film\_category** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links TO** | **Links FROM** |
| film\_id | smallint | Number assigned to film | Primary  Foreign | Film |  |
| category\_id | smallint | Number assigned to category | Primary  Foreign | Category |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Inventory** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links TO** | **Links FROM** |
| inventory\_id | integer | Number assigned to item | Primary |  | Rental |
| film\_id | smallint | Number assigned to film | Foreign | Film |  |
| store\_id | smallint | Number assigned to store |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Language** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Linked TO** | **Linked FROM** |
| language\_id | integer | Number assigned to language | Primary |  | Film |
| name | character (20) | Name of language |  |  |  |
| last\_update | timestamp without time zone | Last time data was updated |  |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Payment** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links TO** | **Links FROM** |
| payment\_id | integer | Number assigned to payment | Primary |  |  |
| customer\_id | smallint | Number assigned to customer | Foreign |  | Customer |
| staff\_id | smallint | Number assigned to staff | Foreign |  | Staff |
| rental\_id | integer | Number assigned to rental | Foreign |  | Rental |
| amount | numeric | Amount paid |  |  |  |
| payment\_date | timestamp without time zone | Date of payment |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Store** |  |  |  |  |  |
| **Column** | **Data Type** | **Description** | **Key** | **Links TO** | **Links FROM** |
| store\_id | integer | Number assigned to store | Primary |  |  |
| manager\_staff\_id | smallint | Number assigned to staff manager | Foreign | Staff |  |
| address\_id | smallint | Number assigned to address | Foreign | Address |  |
| last\_update | timestamp without time zone | Last Time Data was updated. |  |  |  |