**Rockbuster Stealth - Data Dictionary**Fact Table

Rental

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Description** | **Link From** | **Link To** | **Key** |
| rental\_id | serial | Serial number assigned to rental |  |  | Primary Key |
| rental\_date | timestamp(6) without timezone | Date of rental |  |  |  |
| inventory\_id | integer | Number assigned to item in the table |  | Inventory | Foreign Key |
| customer\_id | smallint | Number assigned to customer |  | Customer | Foreign Key |
| return\_date | timestamp(6) without timezone | Date rental was returned |  |  |  |
| staff\_id | smallint | Number assigned to employee |  | Staff | Foreign Key |
| last\_update | timestamp(6) without timezone | Date entry was last updated |  |  |  |

Dimension tables

Store

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| store\_id | integer | unique number assigned to store |  |  | primary key |
| manager\_staff\_id | smallint | unique number assigned to manager |  | staff | foreign key |
| address\_id | smallint | unique number assigned to store address |  | address | foreign key |
| last\_update | timestamp without time zone | last date that the entry was updated |  |  |  |

Payment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| payment\_id | integer | Unique number assigned to transaction |  |  | Primary Key |
| customer\_id | smallint | Unique number assigned to customer account |  | Customer | Foreign Key |
| staff\_id | smallint | Unique number assigned to employee on transaction |  | Staff | Foreign Key |
| rental\_id | integer | Unique number assigned to rental |  | Rental | Foreign Key |
| amount | numeric | Total amount of transaction |  |  |  |
| payment\_date | timestamp without time zone | Date that transaction was made |  |  |  |

Film actor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| actor\_id | smallint | Unique number assigned to actor |  | Actor | Primary Key |
| film\_id | smallint | Unique number assigned to film |  | Film | Foreign Key |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |

Inventory

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| inventory\_id | integer | Unique number assigned to inventory | Rental |  | Primary Key |
| film\_id | smallint | Unique number assigned to film |  | Film | Foreign Key |
| store\_id | smallint | Unique number assigned to store |  |  |  |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |

Film\_category

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| film\_id | smallint | Unique number assigned to film |  | Film | Foreign Key |
| category\_id | smallint | Unique number assigned to category |  | Category | Foreign Key |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |

Customer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| active | integer | Binary representation of whether membership is active or not |  |  |  |
| store\_id | smallint | Unique number assigned to store location |  |  |  |
| create\_date | date | Date that customer entry was created |  |  |  |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |
| customer\_id | integer | Unique number assigned to customer | Payment Rental |  | Primary Key |
| address\_id | smallint | Unique number assigned to customer address |  |  | Foreign Key |
| activebool | boolean | Boolean representation of whether membership is active or not |  |  |  |
| first\_name | varchar | Customer first name |  |  |  |
| last\_name | varchar | Customer last name |  |  |  |
| email | varchar | Customer e-mail address |  |  |  |

Staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| picture | bytea | Photo data of individual employee |  |  |  |
| address\_id | smallint | Unique number assigned to staff address |  | Address | Foreign Key |
| store\_id | smallint | Unique number assigned to store |  |  |  |
| active | boolean | True/False expression if employed |  |  |  |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |
| staff\_id | integer | Unique number assigned to staff member | Payment Rental Store |  | Primary Key |
| first\_name | varchar | First name of staff member |  |  |  |
| last\_name | varchar | Last name of staff member |  |  |  |
| password | varchar | Password of staff member |  |  |  |
| email | varchar | E-mail address of staff member |  |  |  |
| username | varchar | Username of staff member |  |  |  |

Actor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| actor\_id | smallint | Unique number assigned to actor |  | Actor | Primary Key |
| film\_id | smallint | Unique number assigned to film |  | Film | Foreign Key |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |

Film

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| rental\_id | Integer | Unique number assigned to rental | Payment |  | Primary Key |
| rental\_date | Timestamp without time zone | Date that rental took place |  |  |  |
| inventory\_id | Integer | Unique number assigned to item |  | Inventory | Foreign Key |
| customer\_id | Smallint | Unique number for customer |  | Customer | Foreign Key |
| return\_date | Timestamp without time zone | Day that item was returned to inventory |  |  |  |
| staff\_id | Smallint | Unique number assigned to staff responsible for transaction |  |  |  |
| staff\_id | Smallint | Unique number assigned to staff responsible for transaction |  | Staff | Foreign Key |
| last\_update | Timestamp without time zone | Last date the data entry was updated |  |  |  |

Category

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| category\_id | integer | Unique number assigned to category | Film\_Category |  | Primary Key |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |
| name | varchar | Name of category |  |  |  |

Address

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |
| city\_id | smallint | Unique number assigned to city |  | City | Foreign Key |
| address\_id | integer | Unique number assigned to address | Customer Staff Store |  | Primary Key |
| district | varchar | State/Province/Region/District |  |  |  |
| phone | varchar | Phone number for entry |  |  |  |
| postal\_code | varchar | Postal code for entry |  |  |  |
| address | varchar | Address for entry |  |  |  |
| address\_2 | varchar | Secondary address for entry (apartment number, lot, etc.) |  |  |  |

Language

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| language\_id | integer | Unique number assigned to language | Film |  | Primary Key |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |
| name | char | Full name of language |  |  |  |

City

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| city\_id | integer | Unique number assigned to city | Address |  | Primary Key |
| city | charactervarying(20) | Name of city |  |  |  |
| country\_id | smallint | Unique number assigned to country |  | Country | Foreign Key |
| last\_update | timestamp without time zone | Last date that the entry was updated |  |  |  |

Country

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Description** | **Links From** | **Link To** | **Key** |
| country\_id | INTEGER | Unique number assigned to country | City |  | Primary Key |
| last\_update | TIMESTAMP WITHOUT TIME ZONE | Last date that the entry was updated |  |  |  |
| country | VARCHAR | Country name |  |  |  |