ROCKBUSTER STEALTH

DATA DICTIONARY

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**Fact Tables**

**Payment Table:** This table records information about payment transactions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Foreign Key relationship** |
| Payment\_ID | Integer | Unique identifier for payment transaction | Primary Key |
| Customer\_ID | Smallint | Unique identifier for each customer | Links to customer.customer\_id  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Referenced in rental.customer\_id |
| Staff\_ID | Smallint | Unique Identifier for Staff member | Links to staff.staff\_id |
| Rental\_ID | Integer | Unique identifier for rental transaction | Links to rental.rental\_id |
| Amount | Numeric | Total amount of sale | None |
| Payment\_date | Timestamp without time zone | Time and date payment was received | None |

**Rental Table:** This table records information about rental transactions

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Foreign Key relationship** |
| Rental\_ID | Serial | Unique identifier of rental transaction | Primary Key |
| Rental\_date | Timestamp w/out time zone | Time and date rental was taken out | None |
| Inventory\_ID | integer | Unique identifier for specific rental unit | Links to inventory.inventory\_id |
| Customer\_ID | Smallint | Unique identifier for specific customer | Links to customer.customer\_id  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Referenced in payment.customer\_id |
| Return\_date | Timestamp w/out time zone | Time and date rental is due to be returned | None |
| Staff\_ID | smallint | Unique identifier for staff member | Links to staff.staff\_id  Referenced in payment.staff\_id |

**Dimension Tables**

**Store:** This table links to the following tables: staff table from address\_id, rental table from staff\_id and customer table from address\_id.

This table is linked from the following tables: staff table from address\_id , address table from address\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Staff\_ID | Serial | Unique identifier for individual store | Primary Key |
| Manager\_staff\_ID | Smallint | Unique identifier for store manager | Foreign Key |
| Address\_ID | Smallint | Unique identifier for store location | Foreign key |
| Last\_update | Timestamp w/out time zone | Last time/date transaction was updated |  |

**Film\_actor:** This table links to the following table: filmtable from film\_id

This table is linked from the following table: actor table from actor\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data Type** | **Description** | **Key type** |
| Actor\_ID | Smallint | Unique identifier for specific actor | Composite Primary Key |
| Film\_ID | Smallint | Unique identifier for film type | Composite Primary Key |
| Last\_update | Timestamp w/out time zone | Date and time of last record update |  |

**Film\_category:** This table links to the following tables: none

This table is linked from the following tables: film table from film\_id, category table from category\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Category\_ID | Smallint | Unique identifier for specific actor | Composite Primary Key |
| Film\_ID | Smallint | Unique identifier for film type | Composite Primary Key |
| Last\_update | Timestamp w/out time zone | Date and time of last record update |  |

**Inventory:** This table links to the following tables: rental table from inventory\_id, film\_category table from film\_id

This table is linked from the following tables: film table from film\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Inventory\_ID | Smallint | Unique identifier for inventory ietm | Primary Key |
| Film\_ID | Smallint | Unique identifier for film type | Foreign key |
| Store\_ID | Smallint | Unique store identifier |  |
| Last\_update | Timestamp w/out time zone | Date and time of last record update |  |

**Customer:** This table links to the following tables: rental table from customer\_id

This table is linked from the following tables: address table from address\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Customer\_ID | Serial | Unique identifier of customer | Primary key |
| Store\_ID | smallint | Unique store identifier |  |
| First\_name | Character varying | Customer first name |  |
| Last\_name | Character varying | Customer last name |  |
| email | Character varying | Customers email |  |
| Address\_ID | Smallint | Unique identifier for customer’s address | Foreign key |
| Activebool | Boolean | 1 or 0 represent true or false |  |
| Create\_date | Date | Date customer entry was created |  |
| Last\_update | Timestamp w/out time zone | Last time and date transaction was updated |  |
| active | Integer | Is the customer active or not |  |

**Staff:** This table links to the following tables: store table from address\_id, rental table from staff\_id, payment table from staff\_id

This table is linked from the following tables: address table from address\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Staff\_ID | Serial | Unique identifier for staff member | Primary Key |
| First\_name | Character varying | Staff member first name |  |
| Last\_name | Character varying | Staff member last name |  |
| Address\_ID | smallint | Unique identifier for staff address | Foreign key |
| Email | Character varying | Staff members email |  |
| Store\_ID | Smallint | Unique identifier for individual store |  |
| Active | Boolean | 1 or 0 for true/false |  |
| Username | Character varying | Staff members username |  |
| Password | Character varying | Staff members password |  |
| Last\_update | Timestamp w/out time zone | Time and date of transaction was last updated |  |
| picture | Bytea | Photo of staff member |  |

**Film:** This table links to the following tables: inventory table from film\_id, film\_actor table from film\_id, film\_category table from film\_id

This table is linked from the following table: language table from language\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Film\_ID | Integer | Unique identifier for film | Primary key |
| title | Character varying | Title of film |  |
| Description | Text | Description of the film |  |
| Release\_year | Integer | Year of the film |  |
| Language\_ID | Smallint | Films language | Foreign key |
| Rental\_duration | Smallint | Number of days the film was rented |  |
| Rental\_rate | Smallint | Cost of rental per day |  |
| Length | Smallint | Length of film in minutes |  |
| Replacement\_cost | Numeric | Cost to replace film if not returned |  |
| Rating | User-defined | Films rating |  |
| Last\_update | Timestamp without time zone | Last time and date transaction was updated |  |
| Special\_features | array | Special feature of the film |  |
| Fulltext | tsvector | Text in the film |  |

**Category:** This table links to the following table: film\_category table from category\_id

This table is linked from the following table: none

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Category\_ID | Integer | Unique identifier for actor category | Primary key |
| Name | Character varying | Actors name |  |
| Last\_update | Timestamp w/out time zone | Time/date transaction last updated |  |

**Language:** This table links to the following tables: film table from language\_id

This table is linked from the following tables: none

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Language\_ID | Serial | Unique identifier for films language | Primary Key |
| Name | Character varying | Actors name |  |
| Last\_update | Timestamp w/out time zone | Time/ date transaction last updated |  |

**Country:** This table links to the following table: city table from country\_id

This table is linked from the following table: none

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Country\_ID | Serial | Unique identifier for films country | Primary Key |
| Country | Character varying | Country name |  |
| Last\_update | Timestamp w/out time zone | Time/date transaction last updated |  |

**City:** This table links to the following table: address table from city\_id

This table is linked from the following table: country table from country\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Date type** | **Description** | **Key type** |
| City\_ID | Serial | Unique identifier for films city | Primary Key |
| City | Character varying | City name |  |
| Country\_ID | Smallint | Unique identifier for films country | Foreign key |
| Last\_update | Timestamp w/out time zone | Time/date transaction last updated |  |

**Address:** This table links to the following tables: customer table from address\_id, staff table from address\_id, store table from address\_id

This table linked from the following table: city table from city\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Data type** | **Description** | **Key type** |
| Address\_ID | Serial | Unique identifier for address | Primary |
| Address | Character varying | Address details |  |
| Address2 | Character varying | Additional address details |  |
| District | Character varying | Name of the district |  |
| City\_ID | Smallint | Unique identifier of city | Foreign key |
| Postal\_code | Character varying | City zip code |  |
| Phone | Character varying | Phone number |  |
| Last\_update | Timestamp w/out time zone | Last time and date transaction was updated |  |