Rockbuster Stealth LLC

Data Dictionary



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Diagram

Description automatically generatedEntity Relationship Diagram (ERD)

|  |  |
| --- | --- |
| Old Key with solid fill | **Primary Key** |
| Old Key with solid fill | **Foreign Key** |

Legend

**Fact Table: Rental**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Rental\_id | [PK]INTEGER | Unique ID for each movie rental | Payment |
|  | Rental\_date | TIMESTAMP WITHOUT TIME ZONE | Date and time of rental date |  |
| Old Key with solid fill | Inventory\_id | INTEGER | ID # for each customer for bookkeeping | Inventory |
| Old Key with solid fill | Customer\_id | SMALLINT | ID # for each customer that rented a movie | Customer |
|  | Return\_date | TIMESTAMP WITHOUT TIME ZONE | Date and time that movie was returned |  |
| Old Key with solid fill | Staff\_id | SMALLINT | ID # assigned to each staff | Staff |
|  | Last\_update | TIME STAMP WITHOUT TIME ZONE | Date and time of last update |  |

**Dimension Table: Actor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Actor\_id | [PK]INTEGER | ID # assigned to each actor | Film\_Actor |
|  | First\_name | CHARACTER VARYING (45) | First name of actor |  |
|  | Last\_name | CHARACTER VARYING(45) | Last name of actor |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time this table was last updated |  |

**Dimension Table: Address**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Address\_id | [PK}INTEGER | ID # assigned to each address of store | Customer, Staff, Store |
|  | Address | CHARACTER VARYING (50) | Postal address of store |  |
|  | Address2 | CHARACTER VARYING (50) | Null (blank) |  |
|  | District | CHARACTER VARYING (20) | Each district (state) within country |  |
| Old Key with solid fill | City\_id | SMALLINT | ID # assigned to each city | City |
|  | Postal\_code | CHARACTER VARYING (10) | Postal code of address |  |
|  | Phone | CHARACTER VARYING (20) | Phone number |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time this table was last updated |  |

**Dimension Table: Category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Category\_id | [PK]INTEGER | ID # assigned to each category | Film\_Category |
|  | Name | CHARACTER VARYING (25) | Name of each category |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time of last update |  |

**Dimension Table: City**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | City\_id | [PK]INTEGER | ID # assigned to each city | Address |
|  | City | CHARACTER VARYING (50) | City in which each store is located |  |
| Old Key with solid fill | Country\_id | SMALLINT | ID # assigned to each country | Country |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time this table was last updated |  |

**Dimension Table: Country**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Country\_id | [PK]INTEGER | ID # assigned to each country | City |
|  | Country | CHARACTER VARYING (50) | Name of each country |  |
|  | Last\_update | LAST\_UPDATE | Date and time of last update |  |

**Dimension Table: Customer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Customer\_id | [PK]INTEGER | ID # assigned to each customer | Address, Rental |
| Old Key with solid fill | Store\_id | SMALLINT | ID # assigned to each store | Store |
|  | First\_name | CHARACTER VARYING (45) | First name of each customer |  |
|  | Last\_name | CHARACTER VARYING (45) | Last name of each customer |  |
|  | Email | CHARACTER VARYING (50) | Email address of each customer |  |
| Old Key with solid fill | Address\_id | SMALLINT | ID # assigned to each address | Address |
|  | Activebool | BOOLEAN | Status whether customer is active or not |  |
|  | Create\_date | DATE | Creation date of account |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time this table was last updated |  |
|  | Active | INTEGER | Customer status |  |

**Dimension Table: Film**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Film\_id | [PK]INTEGER | ID # assigned to each film | Film\_Actor, Film, Category, Inventory |
|  | Title | CHARACTER VARYING (255) | Title of each film |  |
|  | Description | TEXT | Description of each film |  |
|  | Release\_year | INTEGER | Year film was released |  |
| Old Key with solid fill | Language\_id | SMALLINT | ID # assigned to original language each film was recorded in | Language |
|  | Rental\_duration | SMALLINT | How many days film was rented for |  |
|  | Rental\_rate | NUMERIC (4,2) | Price that film was rented for |  |
|  | Length | SMALLINT | Minute length of each film |  |
|  | Replacement\_cost | NUMERIC (5,2) | Cost of replacement if film is lost/not returned timely |  |
|  | Rating | MPAA RATING | MPAA film rating |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time of last update |  |
|  | Special\_features | TEXT | Additional features that come with this film rental |  |
|  | Fulltext | TSVECTOR | Keywords |  |

**Dimension Table: Film\_Actor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Actor\_id | [PK]SMALLINT | ID # of each actor | Actor |
| Old Key with solid fill | Film\_id | [PK]SMALLINT | ID # of each film | Film |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time of last update |  |

**Dimension Table: Film\_Category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Film\_id | [PK]SMALLINT | ID # assigned to each film | Film |
| Old Key with solid fill | Category\_id | [PK]SMALLINT | ID # assigned to each category | Category |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time of last update |  |

**Dimension Table: Inventory**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Inventory\_id | [PK]INTEGER | ID # for each customer for bookkeeping | Rental |
| Old Key with solid fill | Film\_id | SMALLINT | ID # for each film | Film |
| Old Key with solid fill | Store\_id | SMALLINT | ID # for each store | Store |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time of last update |  |

**Dimension Table: Language**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Language\_id | [PK]INTEGER | ID # assigned to each language | Film |
|  | Name | CHARACTER (20) | Name of language |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time this table was last updated |  |

**Dimension Table: Payment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Payment\_id | [PK]INTEGER | ID # for each payment method |  |
| Old Key with solid fill | Customer\_id | SMALLINT | ID # assigned to each customer | Customer |
| Old Key with solid fill | Staff\_id | SMALLINT | ID # assigned to each staff | Staff |
| Old Key with solid fill | Rental\_id | INTEGER | ID # assigned to each rental movie | Rental |
|  | amount | NUMERIC (5,2 | Price for each movie rented out |  |
|  | Payment\_date | TIMESTAMP WITHOUT TIME ZONE | Date and time of each payment |  |

**Dimension Table: Staff**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Staff\_id | [PK]INTEGER | ID # assigned to each staff | Payment, Rental |
|  | First\_name | CHARACTER VARYING (45) | First name of each staff |  |
|  | Last\_name | CHARACTER VARYING (45) | Last name of each staff |  |
| Old Key with solid fill | Address\_id | SMALLINT | ID # for each address | Address |
|  | Email | CHARACTER VARYING (50) | Email address for each staff |  |
| Old Key with solid fill | Store\_id | SMALLINT | ID # for each store | Store |
|  | Active | BOOLEAN | Status whether staff is active or not |  |
|  | Username | CHARACTER VARYING (16) | Username for each staff |  |
|  | Password | CHARACTER VARYING (40) | Password for each staff |  |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time this table was last updated |  |
|  | Picture | BYTEA | Face photo of each staff member |  |

**Dimension Table: Store**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key** | **Column** | **Data Type** | **Description** | **Links With** |
| Old Key with solid fill | Store\_id | [PK]INTEGER | ID # assigned to each store | Customer, Inventory, Staff |
|  | Manager\_staff\_id | SMALLINT | ID # assigned to each staff manager |  |
| Old Key with solid fill | Address\_id | SMALLINT | ID # for each address | Address |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time of last update |  |