**Rockbuster**

**Data Dictionary**

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**1. Rockbuster DataBase**

**1.1 Introduction**

This document contains the historical customer sales and film inventory for the worldwide Rockbuster company.

**1.2 Data Set**

This database contains customers, sales, and film inventory, file information etc. for the worldwide operations of the Rockbuster company. The data set can be found at this link: [Rock Buster Data Set](http://www.postgresqltutorial.com/wp-content/uploads/2019/05/dvdrental.zip)

**2. Entity Relationship Diagram (ERD)**

A diagram of a computer

Description automatically generated

**3. Legend**

|  |  |
| --- | --- |
| Key with solid fill | Primary Key |
| Key outline | Foreign Key |

**4. Fact Tables**

**4.1 payment**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | payment\_id | Serial | Unique payment identifier |
| Key outline | customer\_id | Smallint | Unique customer identifier |
| Key outline | staff\_id | Smallint | Unique staff identifier |
| Key outline | rental\_id | Interger | Unique rental transaction identifier |
|  | amount | Numermic(5,2) | Amount of payment |
|  | payment\_date | Timestamp(6) without time zone | Time and date of transaction |

**4.2 rental**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | rental\_id | Serial | Unique rental transaction identifier |
|  | rental\_date | Timestamp(6) without time zone | Time and date of rental |
| Key outline | inventory\_id | Interger | Unique film identifier |
| Key outline | customer\_id | Smallint | Unique customer identifier |
|  | return\_date | Timestamp(6) without time zone | Date and time rental returned |
| Key outline | staff\_id | Smallint | Unique staff identifier |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5. Dimension Tables**

**5.1 store**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | store\_id | Serial | Unique store identifier |
| Key outline | manager\_staff\_id | Smallint | Unique store manager identifier |
| Key outline | address\_id | Smallint | Unique identifier of address |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.2 film\_actor**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | actor\_id | Smallint | Unique actor identifier |
| Key with solid fill | film\_id | Smallint | Unique film identifier |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.3 inventory**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | inventory\_id | Serial | Unique inventory identifier |
| Key outline | film\_id | Smallint | Unique film identifier |
|  | store\_id | Smallint | Unique store identifier |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.4 film\_category**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fillKey outline | film\_id | Smallint | Unique film identifier |
| Key with solid fillKey outline | category\_id | Smallint | Unique category identifier |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.5 customer**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | customer\_id | Smallint | Unique customer identifier |
|  | store\_id | Smallint | Unique store identifier |
|  | first\_name | Character varying(45) | First Name of customer |
|  | last\_name | Character varying(45) | Last Name of customer |
|  | email | Character varying(45) | Email of customer |
| Key outline | address\_id | Smallint | Unique identifier of address |
|  | store\_id | Smallint | Unique store identifier |
|  | activebool | Boolean | Indicator of whether customer is an active renter |
|  | create\_date | Timestamp(6) without time zone | Date and time a record was created |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |
|  | active | integer | Indicator of whether customer is an active renter |

**5.6 staff**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | staff\_id | Smallint | Unique staff identifier |
|  | first\_name | Character varying(45) | First Name of staff |
|  | last\_name | Character varying(45) | Last Name of staff |
|  | email | Character varying(45) | Email of staff |
| Key outline | address\_id | Smallint | Unique identifier of address |
|  | store\_id | Smallint | Unique store identifier |
|  | active | Boolean | Indicator of whether staff is an actively employed |
|  | username | Character varying(45) | Staff IT username |
|  | password | Character varying(45) | Staff IT password |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |
|  | picture | Bytea | Image file of picture of staff |

**5.7 actor**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | actor\_id | serial | Unique actor identifier |
|  | first\_name | Character varying(45) | First Name of staff |
|  | last\_name | Character varying(45) | Last Name of staff |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.8 film**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | film\_id | serial | Unique film identifier |
|  | title | Character varying(45) | Title of film |
|  | description | text | Description of film |
|  | release\_year | Year | Year film was released |
| Key outline | language\_id | Smallint | Unique language identifier |
|  | rental\_duration | Smallint | Time rental if film is allowed |
|  | rental\_rate | Numerical(5,2) | Cost to rent film |
|  | length | Smallint | Length of film |
|  | replacement\_cost | Numerical(5,2) | Cost to replace film |
|  | rating | Mpaa\_rating | MPAA Rating |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |
|  | Special\_features | Text[] | Special features of film |
|  | fulltext | Tsvctor | Additional information about film |

**5.9 category**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | category\_id | serial | Unique category identifier |
|  | name | Character varying(45) | Name of category |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.10 address**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | address\_id | serial | Unique address identifier |
|  | address | Character varying(45) | Name of address line 1 |
|  | address2 | Character varying(45) | Name of address line 2 |
|  | district | Character varying(45) | District of address |
| Key outline | city\_id | Smallint | Unique city identifier |
|  | postal\_code | Character varying(45) | Postal code of address |
|  | phone | Character varying(45) | Phone number of address |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.11 language**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | language\_id | serial | Unique language identifier |
|  | name | Character varying(45) | Name of language |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.12 city**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | city\_id | serial | Unique city identifier |
|  | city | Character varying(45) | Name of city |
| Key outline | country\_id | serial | Unique country identifier |
|  | Last\_update | Timestamp(6) without time zone | Date and time a record was last updated |

**5.13 country**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| Key with solid fill | country\_id | serial | Unique country identifier |
|  | country | Character varying(45) | Name of country |
|  | last\_update | Timestamp(6) without time zone | Date and time a record was last updated |