**2022 Rockbuster Data Dictionary**

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Fact Table:

*rental*

| Column | Data Type | Unique Key | Links to | Links From |
| --- | --- | --- | --- | --- |
| rental\_id | SERIAL | Primary Key |  | payment |
| rental\_date | TIMESTAMP WITHOUT TIME ZONE |  |  |  |
| inventory\_id | INTEGER | Foreign Key | inventory |  |
| customer\_id | SMALLINT | Foreign Key | customer\_id |  |
| return\_date | TIMESTAMP WITHOUT TIME ZONE |  |  |  |
| staff\_id | SMALLINT | Foreign Key | staff |  |
| last\_update | TIMESTAMP WITHOUT TIME ZONE |  |  |  |

Dimension Tables:

*customer*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| customer\_id | SERIAL | Primary Key |  | rental/ payment |
| store\_id | SMALLINT |  |  |  |
| first\_name | CHARACTER VARYING(45) |  |  |  |
| last\_name | CHARACTER VARYING(45) |  |  |  |
| email | CHARACTER VARYING(50) |  |  |  |
| address\_id | SMALLINT | Foreign Key | address\_id |  |
| activebool | BOOLEAN |  |  |  |
| create\_date | DATE |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |
| active | INTEGER |  |  |  |

*payment*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| payment\_id | SERIAL | Primary Key |  |  |
| customer\_id | SMALLINT | Foreign Key | customer |  |
| staff\_id | SMALLINT | Foreign Key | staff |  |
| rental\_id | INTEGER | Foreign Key | rental |  |
| amount | INTEGER |  |  |  |
| payment\_date | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*staff*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| staff\_id | SERIAL | Primary Key |  | rental/ payment/store |
| first\_name | CHARACTER VARYING(45) |  |  |  |
| last\_name | CHARACTER VARYING(45) |  |  |  |
| address\_id | SMALLINT | Foreign Key | address |  |
| email | CHARACTER VARYING(50) |  |  |  |
| store\_id | SMALLINT |  |  |  |
| active | BOOLEAN |  |  |  |
| username | CHARACTER VARYING(16) |  |  |  |
| password | CHARACTER VARYING(40) |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |
| picture | BYTEA |  |  |  |

*store*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| store\_id | SERIAL | Primary Key |  |  |
| manager\_staff\_id | SMALLINT | Foreign Key | staff |  |
| address\_id | SMALLINT | Foreign Key | address |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*address*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| address\_id | SERIAL | Primary Key |  | staff/ customer/ store |
| address\_id | CHARACTER VARYING(50) |  |  |  |
| address2 | CHARACTER VARYING(50) |  |  |  |
| district | CHARACTER VARYING(20) |  |  |  |
| city\_id | SMALLINT | Foreign Key | city |  |
| postal\_code | CHARACTER VARYING(10) |  |  |  |
| phone | CHARACTER VARYING(20) |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*city*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| city\_id | SERIAL | Primary Key |  | address |
| city | CHARACTER VARYING(50) |  |  |  |
| country\_id | SMALLINT | Foreign Key | country |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*film\_category*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| film\_id | SMALLINT | Composite Key/ Foreign Key | film |  |
| category\_id | SMALLINT | Composite Key/ Foreign Key | category |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*category*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| category\_id | SERIAL | Primary Key |  | film\_category |
| name | CHARACTER VARYING(25) |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*inventory*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| inventory\_id | SERIAL | Primary Key |  | rental |
| film\_id | SMALLINT | Foreign Key | film |  |
| store\_id | SMALLINT |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*film\_actor*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| actor\_id | SMALLINT | Composite Key/ Foreign Key | actor |  |
| film\_id | SMALLINT | Composite Key/ Foreign Key | film |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*actor*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| actor\_id | SERIAL | Primary Key |  | film\_actor |
| first\_name | CHARACTER VARYING(45) |  |  |  |
| last\_name | CHARACTER VARYING(45) |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |

*film*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| film\_id | SERIAL | Primary Key |  | inventory/ film\_category/ film\_actor |
| title | CHARACTER VARYING(225) |  |  |  |
| description | TEXT |  |  |  |
| release\_year | year |  |  |  |
| language\_id | SMALLINT | Foreign Key | language |  |
| rental\_duration | SMALLINT |  |  |  |
| rental\_rate | NUMERIC(4,2) |  |  |  |
| length | SMALLINT |  |  |  |
| replacement\_cost | NUMERIC(5,2) |  |  |  |
| rating | mpaa\_rating |  |  |  |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE |  |  |  |
| special\_features | TEXT |  |  |  |
| fulltext | TSVECTOR |  |  |  |

*language*

| Column | Data Type | Unique Key | Links To | Links From |
| --- | --- | --- | --- | --- |
| language\_id | SERIAL | Primary Key |  | film |
| name | CHARACTER(20) |  |  |  |
| last\_update | last\_update |  |  |  |