Rockbuster Stealth

Data Dictionary

1. **Entity Relationship Diagram ERD**

A computer screen shot of a computer flow chart

Description automatically generated

1. **Legend**

A yellow key on a black background

Description automatically generated Primary key

A yellow key on a black background

Description automatically generated Foreign key

1. **Tables**

***Fact Tables*:**

**rental**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| rental\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the rented item. |
| rental\_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date of the start rental. |
| inventory\_id A yellow key on a black background  Description automatically generated | INTEGER | The identification of the rented film. |
| customer\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the customer. |
| return\_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date of return. |
| staff\_id | SMALLINT | The identification of the staff. |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date of the record update. |

|  |  |
| --- | --- |
| Links to | Links from |
| Inventory (inventory\_id), customer (customer\_id), staff (staff\_id) | Payment (rental\_id) |

**Payment**

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| --- | --- | --- |
| Columns | Data Type | Description |
| payment\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the payment. |
| customer\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the customer. |
| staff\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the staff. |
| rental\_id A yellow key on a black background  Description automatically generated | INTEGER | The identification of the rented item. |
| amount | NUMERICAL(5,2) | The payment amount. |
| payment\_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date of the payment. |

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| --- | --- |
| Links to | Links from |
| Customer (customer\_id), Staff (staff\_id), Rental (rental\_id) |  |

***Dimension tables:***

**customer**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| customer\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the customer. |
| store\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the store. |
| first\_name | CHARACTER VARYING(45) | First\_name of the customer. |
| last\_name | CHARACTER VARYING(45) | Last\_name of the customer. |
| email | CHARACTER VARYING(50) | Email address of the customer. |
| address\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the customer’s address. |
| activebool | BOOLEAN | Active or Inactive |
| create\_date | DATE | Date created. |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date of the record update. |
| active | INTEGER | The customer’s activity. |

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| --- | --- |
| Links to | Links from |
| Store (store\_id), address (address\_id) | Payment (customer\_id), rental (customer\_id) |

**staff**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| staff\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the staff. |
| first\_name | CHARACTER VARYING(45) | First\_name of the staff. |
| last\_name | CHARACTER VARYING(45) | Last\_name of the staff. |
| address\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the staff’s address. |
| email | CHARACTER VARYING(50) | Email address of the staff. |
| store\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the store. |
| active | BOOLEAN | Active or Inactive. |
| username | CHARACTER VARYING(16) | Username of the staff member. |
| password | CHARACTER VARYING(40) | Password of the staff member. |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated. |
| picture | BYTEA | Picture of the staff member. |

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| --- | --- |
| Links to | Links from |
| Address (address\_id), store (store\_id) |  |

**film category**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| film\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the film. |
| category\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the film category. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

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| --- | --- |
| Links to | Links from |
| Film (film\_id), category (category\_id) |  |

**film**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| film\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the film. |
| title | CHARACTER VARYING(255) | Title of the film. |
| description | TEXT | Description of the film. |
| release\_year | year | Release year of the film. |
| language\_id A yellow key on a black background  Description automatically generated | SMALLINT | Language ID of the film. |
| rental\_duration | SMALLINT | Rental duration of the film. |
| rental\_rate | NUMERIC(4,2) | Rental rate of the film. |
| length | SMALLINT | Length of the film. |
| replacement\_cost | NUMERIC(5,2) | Cost of replacement. |
| rating | mpaa\_rating | The Motion Picture Association of America 's (MPAA) film-rating system. |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated. |
| special\_features | TEXT[] | Feature description. |
| fulltext | TSVECTOR | Document in a form optimized for text search. |

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| Links to | Links from |
| Language (language\_id) | Film\_actor (film\_id), inventory (film\_id), film\_category (film\_id) |

**film\_actor**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| actor\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the actor. |
| film\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the film. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
| Film (film\_id) |  |

**category**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| category\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the film category. |
| name | CHARACTER VARYING(25) | The category name of the film. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
|  | Film\_category (category\_id) |

**actor**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| actor\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the actor. |
| first\_name | CHARACTER VARYING(45) | First\_name of the actor. |
| last\_name | CHARACTER VARYING(45) | Last\_name of the actor. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
|  | Film\_actor (actor\_id) |

**inventory**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| inventory\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the item. |
| film\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the film. |
| store\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the store. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
| Film (film\_id), Store (store\_id) | Rental (inventory\_id) |

**language**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| language\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the language. |
| name | CHARACTER(20) | The language name. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
|  | Film (language\_id) |

**store**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| store\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the store. |
| manager\_staff\_id | SMALLINT | The identification of the manager. |
| address\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the store address. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
| Address (address\_id) | Staff (store\_id), inventory (store\_id) |

**city**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| city\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the city. |
| city | CHARACTER VARYING(50) | The city name. |
| country\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the country. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
| Country (country\_id) | Address (city\_id) |

**country**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| country\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the country. |
| country | CHARACTER VARYING(50) | The country name. |
| last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
|  | City (country\_id) |

**address**

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| address\_id A yellow key on a black background  Description automatically generated | SERIAL | The identification of the customer’s address. |
| address | CHARACTER VARYING(50) | The customer’s address. |
| address2 | CHARACTER VARYING(50) | Address extension. |
| district | CHARACTER VARYING(20) | District. |
| city\_id A yellow key on a black background  Description automatically generated | SMALLINT | The identification of the city. |
| postal\_code | CHARACTER VARYING(10) | The postal code. |
| phone | CHARACTER VARYING(20) | The phone number. |
| last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated. |

|  |  |
| --- | --- |
| Links to | Links from |
| City (city\_id) | Staff (address\_id), store (address\_id), customer (address\_id) |