

rockbuster stealth

DATA DICTIONARY



August 20, 2023

ZACHARY CHITWOOD

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A picture containing text, post-it note, font, design

Description automatically generated**Entity Relationship Diagram**

**Legend**

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Name** | **Description** |
| **Key with solid fill** | **Primary Key (PK)** | A primary key is a column or set of columns that acts as a unique identifier for each record in a table. |
| **Arrow: Clockwise curve with solid fill** | **Foreign Key (FK)** | A foreign key is a column, or set of columns, that refers to the primary key in another table. |

Fact Tables

**Payment**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Payment\_id  **Key with solid fill** | SERIAL | Unique identifier for payment |
| Customer\_id  **Arrow: Clockwise curve with solid fill** | SMALLINT | (Foreign key) Unique identifier for customer |
| Staff\_id  **Arrow: Clockwise curve with solid fill** | SMALLINT | (Foreign key) Unique identifier for staff |
| Rental\_id  **Arrow: Clockwise curve with solid fill** | INTEGAR | (Foreign key) Unique identifier for rental |
| Amount | NUMBER(5,2) | Amount of rent |
| Payment\_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date of payment received |

**Rental**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Rental\_id  **Key with solid fill** | SERIAL | Unique identifier for rental |
| Rental\_date | TIMESTAM(6) W/O TIME ZONE | Date of rent out |
| Inventory\_id  **Arrow: Clockwise curve with solid fill** | INTEGER | (Foreign key) Unique identifier for inventory |
| Customer\_id  **Arrow: Clockwise curve with solid fill** | SMALLINT | (Foreign key) Unique identifier for customer |
| Return\_date  **Arrow: Clockwise curve with solid fill** | TIMESTAMP(6) W/O TIME ZONE | Date of return |
| Staff\_id  **Arrow: Clockwise curve with solid fill** | SMALLINT | (Foreign key) unique identifier for staff |
| Last\_update | TIMESTAMP(6) W/O TIME ZONE | Time of last update |

Dimension Tables

|  |  |  |  |
| --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Description** |
| **film\_actor** | actor\_id **Arrow: Clockwise curve with solid fill** **Key with solid fill** | SMALLINT | Unique id of actor |
|  | film\_id **Arrow: Clockwise curve with solid fill** **Key with solid fill** | SMALLINT | Unique id of film |
|  | last\_update | TIMESTAMP(6) W/O TIME ZONE | Time of last update |
| **actor** | actor\_id **Key with solid fill** | SERIAL | Unique ID of actor |
|  | first\_name | CHARACTER VARYING(45) | Actors first name |
|  | last\_name | CHARACTER VARYING(45) | Actors last name |
|  | last\_update | TIMESTAMP(6) W/O TIME ZONE | Time of last update |
| **inventory** | inventory\_id **Key with solid fill** | SERIAL | Unique ID of inventory |
|  | film\_id **Arrow: Clockwise curve with solid fill** | SMALLINT | Unique ID of film |
|  | store\_id | SMALLINT | Unique ID of store |
|  | last\_update | TIMESTAMP W/O TIME ZONE | Time of last update |
| **film** | film\_id **Key with solid fill** | SERIAL | Unique idea of film |
|  | title | CHARACTER VARYING(2525) | Title of a film |
|  | description | TEXT | Description of a film |
|  | release\_year | YEAR | Release year of a film |
|  | language\_id. **Arrow: Clockwise curve with solid fill** | SMALLINT | Language ID of film |
|  | rental\_duration | SMALLINT | Duration of rental |
|  | rental\_rate | NUMERIC(4,2) | Price of rental |
|  | length | SMALLINT | Length of a film |
|  | replacement\_cost | NUMERIC(5,2) | Replacement price of film |
|  | rating | MPAA\_RATING | Film rating |
|  | last\_update | TIMESTAMP(6) W/O TIMEZONE | Time of last update |
|  | special\_features | TEXT() | Special feature of film |
|  | fulltext | TSVECTOR | Index of a film |
| **film\_category** | film\_id **Arrow: Clockwise curve with solid fillKey with solid fill** | SMALLINT | Unique identifier for film |
|  | category\_id**Arrow: Clockwise curve with solid fillKey with solid fill** | SMALLINT | Unique identifier for category |
|  | last\_update | TIMESTAMP(6)W/O TIME ZONE | Time of last update |
| **category** | category\_id **Key with solid fill** | SERIAL | Unique identifier for category |
|  | name | CHARACTER VARYING(25) | Name of a category |
|  | last\_update | TIMESTAMP(6) W/O TIME ZONE | Time of last update |
| **Table** | **Column** | **Data Type** | **Description** |
| **customer** | customer\_id. **Key with solid fill** | SERIAL | Unique identifier for customer |
|  | store\_id | SMALLINT | Unique identifier of store |
|  | first\_name | CONNECTOR VARYING(45) | Customers first name |
|  | last\_name | CHARACTER VARYING(45) | Customers last name |
|  | email | CHARACTER VARYING(50) | Customers e-mail address |
|  | address\_id. **Arrow: Clockwise curve with solid fill** | SMALLINT | Address ID of customer |
|  | activebool | BOOLEAN | Customer status as active non active |
|  | create\_date | DATE | Date of customer profile |
|  | last\_update | TIMESTAMP(6) W/O TIME ZONE | Time of last update |
|  | active | INTEGER | Integer active state is of a customer |
| **staff** | staff\_id **Key with solid fill** | SERIAL | Unique identifier for staff |
|  | first\_name | CHARACTER VARYING(45) | First name of the staff |
|  | last\_name | CHARACTER VARYING(45) | Last name of this staff |
|  | address\_id. **Arrow: Clockwise curve with solid fill** | SMALLINT | Unique identifier for address |
|  | email | CHARACTER VARYING(50) | E-mail address of staff |
|  | store\_id | SAMLLINT | Unique ID of store |
|  | active | BOOLEAN | Status of active stuff |
|  | username | CHARACTER VARYING(45) | Each staff username |
|  | password | CHARACTER VARYING(45) | Each staff password |
|  | last\_update | TIMESTAMP(6)W/O TIME ZONE | Time of last update |
|  | picture | BYTEA | Picture of staff member |
|  |  |  |  |
| **Table** | **Column** | **Data Type** | **Description** |
| **address** | address\_id. **Key with solid fill** | SERIAL | Unique identifier of address |
|  | address | CHARACTER VARYING(50) | First line of address |
|  | address2 | CHARACTER VARYING(50) | Second line of address |
|  | districk | CHARACTER VARYING(20) | District's name |
|  | city\_id **Arrow: Clockwise curve with solid fill** | SMALLINT | Unique ID of city |
|  | postal\_code | CHARACTER VARYING(10) | Postal code |
|  | phone | CHARACTER VARYING(20) | Phone number |
|  | last\_update | TIMESTAMP(6) W/O TIME ZONE | Time of last update |
|  |  |  |  |
| **language** | language\_id. **Key with solid fill** | SERIAL | Unique identifier for language |
|  | name | CHARACTER(20) | Name of the character in film |
|  | last\_update | TIMESTAMP(6)W/O TIME ZONE | Time of the last update |
| **city** | city\_id **Key with solid fill** | SERIAL | Unique identifier of city |
|  | city | CHARACTER VARYING(50) | Name of the city |
|  | country\_id. **Arrow: Clockwise curve with solid fill** | SMALLINT | Unique ID of country |
|  | last\_update | TIMESTAMP(6)W/O TIME ZONE | Time of last update |
| **country** | country\_id. **Key with solid fill** | SERIAL | Unique identifier of country |
|  | country | CHARACTER VARYING(50) | Name of the country |
|  | last\_update | TIMESTAMP(6)W/O TIME ZONE | Time of the last update |