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Data Dictionary

Rockbuster stleath

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***ERD***

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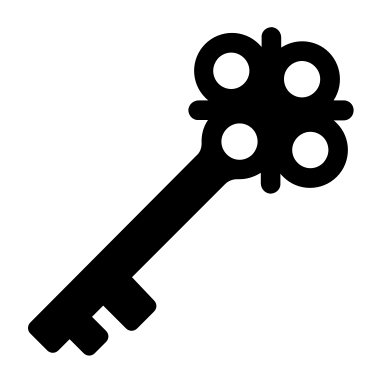
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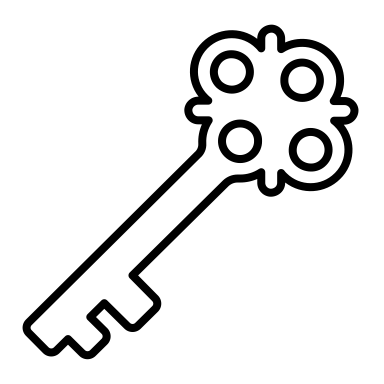
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**ERD:**

A diagram of a company

Description automatically generated with medium confidence

 **Primary key**

 **Foreign key**

# FACT TABLE:

# 1.1 RENTAL

|  |  |  |
| --- | --- | --- |
| **Columns** | **Data Type** | **Description** |
| rental \_id Old Key with solid fill | Serial | Number assigned to transaction |
| Rental\_date | Timestamp (6) without time zone | Date of movie rented |
| Inventory\_id Old Key outline | integer | Number assigned to movie |
| Customer\_id Old Key outline | smallint | Number assigned to customer renting |
| Return\_date | Timestamp (6) without time zone | Date when returned |
| Staff\_id Old Key outline | smallint | Number assigned to staff |
| Last\_update | Timestamp (6) without time zone | Date and time when last updated |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Inventory | Rental.inventory\_id=inventory.inventory\_id |
| Customer | Rental.customer\_id=customer.customer\_id |
| Staff | Rental.staff\_id=staff.staff\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Payment | Payment.rental\_id=rental.rental\_id |

# 1.2 PAYMENT

|  |  |  |
| --- | --- | --- |
| **Columns** | **Data Type** | **Description** |
| Payment\_id Old Key with solid fill | serial | Number assigned to payment transaction |
| Customer\_id Old Key outline | smallint | Number assigned to customer |
| staff\_id Old Key outline | smallint | Number assigned to staff |
| rental\_id Old Key outline | integer | Number assigned to the rental transaction |
| amount | Numeric (5,2) | The amount of cost of rental |
| Payment\_date | Tomestamp (6) without time zone | Date of payment of the rental |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Customer | Payment.customer\_id=customer.customer\_id |
| Staff | Payment.staff\_id=staff.staff\_id |
| Rental | Payment.rental\_id=rental.rental\_id |

1. DIMENSION TABLES:

# 2.1 STORE

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Store\_id Old Key with solid fill | serial | Number assigned to store |
| Manager\_staff\_id Old Key outline | smallint | Number assigned to manger in charge of store |
| Address\_id Old Key outline | smallint | Number assigned to address of store |
| Last\_update | Timestamo (6) without time zone | Date and time of last update |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Staff | Store.staff\_id=staff.staff\_id |
| Address | Store.address\_id=address.address\_id |

# 2.2 FILM ACTOR

|  |  |  |
| --- | --- | --- |
| Columns | Data type | Description |
| Actor\_id Old Key with solid fillOld Key outline | Smallint | Number assigned to actor |
| Film\_id Old Key with solid fillOld Key outline | smallint | Number assigned to film |
| Last\_update | Timestamp (6) without time zone | Date and time of last update |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Actor | Film\_actor.actor\_id=actor.actor\_id |
| Film | Film\_actor.film\_id=film.film\_id |

# 2.3INVENTORY

|  |  |  |
| --- | --- | --- |
| Columns | Data Type | Description |
| Inventory\_id Old Key with solid fill | serial | Number assigned to inventory |
| Film\_id Old Key outline | smallint | Number assigned to film |
| Store\_id | smallint | Number assigned to store |
| Last\_update | Timestamp (6) without time zone | Date and Time of last update |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Film | Inventory.film\_id=film.film\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Rental | Rental.inventory\_id=inventory.inventory\_id |

# 2.4 FILM CATEGORY

|  |  |  |
| --- | --- | --- |
| Columns | Data type | description |
| Film\_id Old Key with solid fillOld Key outline | Smallint | Number assigned to film |
| Category\_id Old Key with solid fillOld Key outline | Smallint | Number assigned to category type |
| Last\_update | Timestamp (6) without time zone | Date and Time of last update |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Film | Film\_category.film\_id=film.film\_id |
| Category | Film\_category.category\_id=category\_category\_id |

# 2.5 CUSTOMER

|  |  |  |
| --- | --- | --- |
| Column | Data type | description |
| Customer\_id Old Key with solid fill | serial | Number assigned to customer |
| Store\_id | Smallint | Number assigned to store |
| First\_name | Character varying (45) | The first name of the customer |
| Last\_name | Character varying (45) | The last name of the customer |
| Email | Character varying (50) | The email of the customer |
| Address\_id Old Key outline | Smallint | Number assigned to the address of customer |
| Activebool | Boolean | Active true or false |
| Create\_date | date | The date when account was created |
| Last\_update | Timestamp (6) without time zone | The date and time when last updated |
| active | Integer | Account active |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Address | Customer.address\_id=address.address\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Rental | Rental.customer\_id=customer.customer\_id |

# 2.6 STAFF

|  |  |  |
| --- | --- | --- |
| Staff\_id Old Key with solid fill | Serial | Number assigned to staff |
| First\_name | Character varying (45) | The first name of staff |
| Last\_name | Character varying (45) | The last name of staff |
| Address\_id Old Key outline | Smallint | Number assigned to address |
| Email | Character varying (50) | Email of staff |
| Store\_id | Smallint | Number assigned to store |
| Active | Boolean | Active true or false |
| Username | Character varying (16) | The username of the staff account login |
| Password | Character varying (40) | The password of staff account login |
| Last\_update | Timestamp (60) without time zone | The date and time of last update |
| Picture | bytea | Photo of staff |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Address | Staff.address\_id=address.address\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Payment | Payment.staff\_id=staff.staff\_id |

# 2.7 ADDRESS

|  |  |  |
| --- | --- | --- |
| Column | Data type | description |
| Address\_id Old Key with solid fill | Serial | Number assigned to address |
| Address | Character varying (50) | The address |
| Address2 | Character varying (50) | The 2nd or back up address |
| District | Character varying (20) | District of address |
| City\_id Old Key outline | Smallint | Number assigned to city |
| Postal\_code | Character varying (10) | Postal code of address |
| Phone | Character varying (20) | The phone number |
| Last\_update | Timestamp (6) without time zone | Date and time of last update |

Links to

|  |  |
| --- | --- |
| Table | Join |
| City | Address.city\_id=city.city\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Store | Store.address\_id=address.address\_id |

# 2.8 CITY

|  |  |  |
| --- | --- | --- |
| Column | Data type | Description |
| City\_id Old Key with solid fill | Serial | Number assigned to city |
| City | Character varying (50) | The city listed |
| Country\_id Old Key outline | Smallint | Number assigned to country |
| Last\_update | Timestamp (6) without time zone | Date and time of last update |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Country | Country.country\_id=city.country\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Address | Address.city\_id=city.city\_id |

# 2.9 COUNTRY

|  |  |  |
| --- | --- | --- |
| Column | Data type | Description |
| Country\_id Old Key with solid fill | Serial | Number assigned to country |
| Country | Character varying (50) | The country listed |
| Last\_update | Timestamp (6) without timezone | Date and time of last update |

Links from

|  |  |
| --- | --- |
| Table | Join |
| City | City.country\_id=country.country\_id |

# 2.10 ACTOR

|  |  |  |
| --- | --- | --- |
| Column | Data type | description |
| Actor\_id Old Key with solid fill | Serial | Number assigned to actor |
| First\_name | Character varying (45) | The name of the actor |
| Last\_name | Character varying (45) | Last name of the actor |
| Last\_update | Timestamp (6) without time xone | Date and time of last update |

Link from

|  |  |
| --- | --- |
| table | join |
| Film\_actor | Film\_actor.actor\_id=actor.actor\_id |

# 2.11FILM

|  |  |  |
| --- | --- | --- |
| Column | Data type | Description |
| Film\_id Old Key with solid fill | Serial | Number assigned to film |
| Title | Character varying (255) | The title of film |
| Description | Text | Title written in text |
| Release\_year | Year | Year flim was released |
| Language\_id Old Key outline | Smallint | Number assigned to language of film |
| Rental \_duration | Smallint | The duration of the rental |
| Renatl \_rate | Numeric(4,2) | The rating of the rental |
| Length | Smallint | The length of the film |
| Replacement\_cost | Numeric(5,2) | The cost of replacing the film |
| Rating | Mpaa\_rating | The rating of the film |
| Last\_update | Timestamp (6) without time zone | Date and time last updated |
| Special\_features | Text[] | The text describing special features of film |
| Fulltext | TSVECTOR | The amount of text described in the film |

Links to

|  |  |
| --- | --- |
| Table | Join |
| Language | film.language\_id=language.language\_id |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Inventory | Inventory.film\_id=film\_film\_if |

# 2.12 CATEGORY

|  |  |  |
| --- | --- | --- |
| Column | Data type | Description |
| Category\_id Old Key with solid fill | Serial | Number assigned to category |
| Name | Character varying (25) | The name of the category |
| Last\_update | Timestamp (6) without time zone | Date and time of last update |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Film\_category | Film\_category.category\_id=category.category\_id |

# 2.13 LANGUAGE

|  |  |  |
| --- | --- | --- |
| Column | Data type | Description |
| Language\_id Old Key with solid fill | Serial | Number assigned to language used |
| Name | Character (2) | The name of the language |
| Last\_update | Timestamp (6) without time zone | Date and time last update |

Links from

|  |  |
| --- | --- |
| Table | Join |
| Film | Film.language\_id=language.language\_id |

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