Rockbuster Stealth

Data Dictionary

Contents

[1.Entity Relation Diagram (ERD) 3](#_Toc172253005)

[2.FACT TABLES: 4](#_Toc172253006)

[2.1 Payment 4](#_Toc172253007)

[2.2Rental 4](#_Toc172253008)

[3.DIMENSION TABLE 4](#_Toc172253009)

[3.1 4](#_Toc172253010)

[3.2 4](#_Toc172253011)

[3.3 5](#_Toc172253012)

[3.4 5](#_Toc172253013)

[3.4 Staff 5](#_Toc172253014)

[3.6Actor 6](#_Toc172253015)

[3.7 Film 6](#_Toc172253016)

[3.8 Category 6](#_Toc172253017)

[3.9Language 6](#_Toc172253018)

[3.10 Address 7](#_Toc172253019)

[3.11 City 7](#_Toc172253020)

[3.12 Country 7](#_Toc172253021)

# 1.Entity Relation Diagram (ERD)

A diagram of a computer

Description automatically generated with medium confidence

# 2.FACT TABLES:

## 2.1 Payment

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | DATA\_TYPE | DESCRIPTION |
| staff\_id | 5 | Foreign key to link to staff table |
| rental\_id | 4 | Foreign key to link to rental table |
| payment\_id | 4 | Surrogate Primary Key |
| payment\_date | 93 | Date recorded of each payment |
| customer\_id | 5 | Foreign key to link to customer table |
| amount | 2 | Amount recorded of each payment transaction |

2.2Rental

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| rental\_id | serial | Surrogate Primary Key |
| rental\_date | timestamp | Date recorded of each rent event |
| inventory\_id | int4 | Foreign key to link to inventory table |
| customer\_id | int2 | Foreign key to link to customer table |
| return\_date | timestamp | Date recorded of each return event |
| staff\_id | int2 | Foreign key to link to staff table |
| last\_update | timestamp | Date of when the record was last update |

# 3.DIMENSION TABLE

## 3.1Store

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| store\_id | serial | Surrogate Primary Key |
| manager\_staff\_id | int2 | Foreign key to link to staff table |
| address\_id | int2 | Foreign key to link to address table |
| last\_update | timestamp | Date of when the record was last updated |

## 3.2 Film\_Actor

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| actor\_id | int2 | Composite Primary key to identify each single actor, also acts as foreign key to link the actor table |
| film\_id | int2 | Composite Primary Key to identify each single film, also acts as foreign key to link the film table |
| last\_update | timestamp | Date of when the record was last updated |

## 3.3Inventory

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| actor\_id | int2 | Id to identify each unique movie copy |
| film\_id | int2 | Foreign key to link to film table |
| last\_update | timestamp | id of the store where the copy of the movie is located |

## 3.4Customer

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| customer\_id | serial | Primary Key to identify each unique customer |
| store\_id | int2 | Id of the store the client record is referring |
| first\_name | varchar | Customer name |
| last\_name | varchar | Customer last name |
| email | varchar | Customer email |
| address\_id | int2 | foreign key to link to address table |
| activebool | bool | Whether the customer is active or not |
| create\_date | date | When the client was first recorded in the database |
| last\_update | timestamp | Date of when the record was last updated |
| active | int4 | Whether the customer is active or not |

## 3.4 Staff

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| staff\_id | serial | Primary Key to identify each unique staff |
| first\_name | varchar | Staff first name |
| last\_name | varchar | Staff last name |
| address\_id | int2 | foreign key to link to address table |
| email | varchar | Staff email |
| store\_id | int2 | Id of the store the staff record is referring to |
| active | bool | Whether the staff is active or no |
| username | varchar | Staff username |
| password | varchar | Staff password |
| last\_update | timestamp | Date of when the record was last updated |
| picture | bytea | Picture of staff |

## 3.6Actor

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| actor\_id | serial | Primary key to identify unique actor |
| first\_name | varchar | Actor first name |
| last\_name | varchar | Actor last name |
| last\_update | timestamp | Date of when the record was last updated |

## 3.7 Film

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| film\_id | serial | Primary key to identify each unique film |
| title | varchar | Film title |
| description | text | Film description |
| release\_year | year | Year of release of the film |
| language\_id | int2 | foreign key to link to language table |
| rental\_duration | int2 | Duaration of the rental |
| rental\_rate | numeric | Rate of the rental |
| length | int2 | Duration of the film |
| replacement\_cost | numeric | Cost associated with film replacement |
| rating | mpaa\_rating | Rating of the film |
| last\_update | timestamp | Date of when the record was last updated |
| special\_features | \_text | Extra information available in the film |
| fulltext | tsvector | Extra information about content |

## 3.8 Category

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| category\_id | serial | Primary Key to identify each unique category |
| name | varchar | Category name |
| last\_update | timestamp | Date of when the record was last updated |

## 3.9 Language

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| language\_id | serial | Primary key to identify different language |
| name | bpchar | Language name |
| last\_update | timestamp | Date of when the record was last updated |

## 3.10 Address

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| address\_id | serial | Primary Key to identify each unique address |
| address | varchar | Address information |
| address2 | varchar | Address information |
| district | varchar | Address information |
| city\_id | int2 | foreign key to link to city table |
| postal\_code | varchar | Address information |
| phone | varchar | Phone number |
| last\_update | timestamp | Date of when the record was last updated |

## 3.11 City

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| city\_id | serial | Primary Key to identify each unique city |
| city | varchar | City name |
| country\_id | int2 | foreign key to link to country table |
| last\_update | timestamp | Date of when the record was last updated |

## 3.12 Country

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | TYPE\_NAME | DESCRIPTION |
| country\_id | serial | Primary key to identify each unique country |
| country | varchar | Country name |
| last\_update | timestamp | Date of when the record was last updated |