Data Dictionary

By: Jada Myrie

Rockbuster Stealth Analysis

Table of Contents

[Table of Figures 2](#_Toc129994047)

[Entity Relationship Diagram (ERD) 3](#_Toc129994048)

[Data Tables 4](#_Toc129994049)

[Keys 4](#_Toc129994050)

[Primary Keys 4](#_Toc129994051)

[Foreign Keys 4](#_Toc129994052)

[Tables 4](#_Toc129994053)

[Payment Table 4](#_Toc129994054)

[Table 5](#_Toc129994055)

[Column 5](#_Toc129994056)

[Data Type 5](#_Toc129994057)

[Description 5](#_Toc129994058)

[Rental\_id 5](#_Toc129994059)

[Serial 5](#_Toc129994060)

[Unique identifier for rental 5](#_Toc129994061)

[Rental\_date 5](#_Toc129994062)

[Timestamp(6) without time zone 5](#_Toc129994063)

[Rental date and time without time zone 5](#_Toc129994064)

[**F** 5](#_Toc129994065)

[Inventory\_id 5](#_Toc129994066)

[Integer 5](#_Toc129994067)

[Unique identifier for inventory 5](#_Toc129994068)

[**F** 5](#_Toc129994069)

[Customer\_id 5](#_Toc129994070)

[Smallint 5](#_Toc129994071)

[Unique identifier for customer 5](#_Toc129994072)

[Return\_date 5](#_Toc129994073)

[Timestamp(6) without time zone 5](#_Toc129994074)

[Unique date and time without time zone 5](#_Toc129994075)

[**F** 5](#_Toc129994076)

[Staff\_id 5](#_Toc129994077)

[Smallint 5](#_Toc129994078)

[Unique identifier for staff 5](#_Toc129994079)

[Last\_update 5](#_Toc129994080)

[Timestap(6) without time zone 5](#_Toc129994081)

[Last update and time without time zone 5](#_Toc129994082)

[Rental table 5](#_Toc129994083)

[Store Table 5](#_Toc129994084)

[Film Actor Table 6](#_Toc129994085)

[Inventory Table 6](#_Toc129994086)

[Film Category Table 7](#_Toc129994087)

[Customer Table 7](#_Toc129994088)

[Staff Table 8](#_Toc129994089)

[Actor Table 9](#_Toc129994090)

[Film Table 10](#_Toc129994091)

[Category Table 11](#_Toc129994092)

[Language Table 11](#_Toc129994093)

[Address Table 12](#_Toc129994094)

[City Table 12](#_Toc129994095)

[Country Table 13](#_Toc129994096)

# Table of Figures

[Figure 1 ERD 2](#_Toc129983904)

# Entity Relationship Diagram (ERD)

Diagram

Description automatically generated

Figure 1 ERD

# Data Tables

## Keys

### Primary Keys

Primary keys are those columns that contain a value that uniquely identifies a table.

In this Dictionary Primary Keys will be represented as **P**.

### Foreign Keys

Foreign Keys are those columns that contain a value that is unique identifier (primary key) located in in another table.

In this Dictionary Foreign Keys will be represented as **F**.

# Tables

## Payment Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Table | Column | Data Type | Description |
| P | Payment | Payment\_id | Serial | Unique identifier for payment |
| F |  | Customer\_id | Smallint | Unique identifier for customer |
| F |  | Staff\_id | Smallint | Unique identifier for staff |
| F |  | Rental\_id | Integer | Unique identifier for rental |
|  |  | Amount | Numeric(5,2) | Amount value |
|  |  | Payment\_date | Timestamp(6) without time zone | Payment date and time without time zone |

Links To Tables :

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Customer | Customer\_id = Customer\_id |
| Staff | Staff\_id = Staff\_id |
| Rental | Rental\_id =Rental\_id |

Linked From Tables:

No Tables

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Table | Column | Data Type | Description |
| P | Rental | Rental\_id | Serial | Unique identifier for rental |
|  |  | Rental\_date | Timestamp(6) without time zone | Rental date and time without time zone |
| F |  | Inventory\_id | Integer | Unique identifier for inventory |
| F |  | Customer\_id | Smallint | Unique identifier for customer |
|  |  | Return\_date | Timestamp(6) without time zone | Unique date and time without time zone |
| F |  | Staff\_id | Smallint | Unique identifier for staff |
|  |  | Last\_update | Timestap(6) without time zone | Last update and time without time zone |

## Rental table

Linked To Tables:

|  |  |
| --- | --- |
| Tables | Linked Columns |
| Inventory | Inventory\_id = Inventory\_id |
| Customer | Customer\_id = Customer\_id |
| Staff | Staff\_id = Staff\_id |

Linked From Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Payment | Rental\_id =Rental\_id |

## Store Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Store | Store\_id | Serial | Unique identifier for store |
| F |  | Manager\_staff\_id | Smallint | Unique identifier for manager staff |
| F |  | Address\_id | Smallint | Unique identifier for address |
|  |  | Last\_update | Timestamp(6) without time zone | Last update and time without time zone |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Staff | Manager\_staff = Staff\_id |
| Address | Address\_id = Address\_id |

Linked from Tables:

None

## Film Actor Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Film Actor | Actor\_id | Smallint | Unique identifier for Actor |
| F |  | Film\_id | Smallint | Unique identifier for film |
|  |  | Last\_update | Time stamp (6) without time zone | Last update and time without time zone |

Linked to tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Actor | Actor\_id = Actor\_id |
| Film | Fim\_id = Film\_id |

Linked from tables:

None

## Inventory Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Inventory | Inventory\_id | Serial | Unique identifier for inventory |
| F |  | Film\_id | Smallint | Unique identifier for film |
| F |  | Store\_id | Smallint | Unique identifier for store |
|  |  | Last\_update | Timestamp(6) without time zone | Last update and time without time zone |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Column |
| Film | Film\_id = Film\_id |

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Column |
| Rental | Rental\_id = Rental\_id |

## Film Category Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Film category | Film\_id | Smallint | Unique identifier for film |
| F |  | Category\_id | Smallint | Unique identifier for category |
|  |  | Last\_update | Timestamp(6) without timezone | Last update and time without time zone |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Film | Film\_id = Film\_id |
| Category | Category\_id = Category\_id |

Linked from Tables:

None

## Customer Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Customer | Customer\_id | Serial | Unique identifier for customer |
| F |  | Store\_id | Smallint | Unique identifier for 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 of the customer |
| F |  | Address\_id | Smallint | Unique identifier for address |
|  |  | Activebool | Boolean | Tell if customer is active |
|  |  | Create\_date | Date | Date when the customer was created in the system |
|  |  | Last\_update | Timestamp (6) without timezone | Last update and time without time zone |
|  |  | Active | Integer | Number active |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Address | Address\_id = Address\_id |

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Rental | Rental\_id = Rental\_id |

## Staff Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Staff | Staff\_id | Serial | Unique identifier for staff |
|  |  | First\_name | Character varying (45) | First name of the staff |
|  |  | Last\_name | Character varying (45) | Last name of the staff |
| F |  | Address\_id | Smallint | Unique identifier for the address |
|  |  | Email | Character varying (50) | Email of the staff |
| F |  | Store\_id | Smallint | Unique identifier for |
|  |  | Active | Boolean | Tells if staff is active |
|  |  | Username | Character varying (16) | Username of the staff |
|  |  | Password | Character varying (40) | Password of the staff |
|  |  | Last\_update | Timestamp(6) without timezone | Last update and time without time zone |
|  |  | Picture | Bytea | Picture of the staff |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Address | Address\_id =Address\_id |

Linked from tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Rental | Rental\_id = Rental\_id |

## Actor Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Actor | Actor\_id | Serial | Unique identifier for |
|  |  | 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 | Last update and time without time zone |

Linked to Tables:

None

Linked From Tables:

|  |  |
| --- | --- |
| Table Name | Linked Column |
| Film\_actor | Actor\_id = Actor\_id |

## Film Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Film | Film\_id | Serial | Unique identifier for film |
|  |  | Title | Character Varying (255) | The title of the film |
|  |  | Description | Text | Description of the film |
|  |  | Release\_year | Year | The release year of the film |
| F |  | Language\_id | Smallint | Unique identifier for language |
|  |  | Rental\_duration | Smallint | The rental duration of the film |
|  |  | Rental\_rate | Numeric (4,2) | The rental rate of the film |
|  |  | Length | Smallint | The length of the film |
|  |  | Replacement\_cost | Numeric (5,2) | The replacement cost of the film |
|  |  | Rating | Mpaa\_rating | The rating of the film |
|  |  | Last\_update | Timestamp (6) without Time Zone | Last update and time without time zone |
|  |  | Special\_features | Text[] | Special features of the film |
|  |  | Fulltext | Tsvector | Fulltext index |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Language | Language\_id = language\_id |

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Film\_actor | Film\_actor = Film\_actor |
| Film\_category | Film\_category = Film\_category |

## Category Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | category | Category\_id | Serial | Unique identifier for category |
|  |  | Name | Character varying (25) | The name of the category |
|  |  | Last\_update | Timestamp (6) without time zone | Last update and time without time zone |

Linked to Tables:

None

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Column |
| Film\_category | Category\_id = Category\_id |

## Language Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Language | Language\_id | Serial | Unique identifier for |
|  |  | Name | Character (20) | The name of the language |
|  |  | Last\_update | Timestamp (6) without timezone | Last update and time without time zone |

Linked to Tables:

None

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Film | Language\_id = Language\_id |

## Address Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Address | Address\_id | Serial | Unique identifier for address |
|  |  | Address | Character varying (50) | First line of an address |
|  |  | Address 2 | Character varying 20 | Second line of an address |
|  |  | District | Character varying 20 | The region of an address |
| F |  | City\_id | Smallint | The city of an address |
|  |  | Postal\_code | Character varying (10) | The postal code for an address |
|  |  | Phone | Character varying (20) | The phone number for an address |
|  |  | Last\_update | Timestamp (6) without time zone | Last update and time without time zone |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| City | City\_id = City\_id |

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Column |
| City | City\_id = City\_id |
| Customer | Address\_id = Address\_id |

## City Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | City | City\_id | Serial | Unique identifier for city |
|  |  | City | Character varying (50) | Name of the city |
| F |  | Country\_id | Smallint | Unique identifier for country |
|  |  | Last\_update | Timestamp (6) without time zone | Last update and time without time zone |

Linked to Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Country | Country\_id = Country\_id |

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| Address | Address\_id = Address\_id |

## Country Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Keys | Table | Column | Data Type | Description |
| P | Country | Country\_id | Serial | Unique identifier for country |
|  |  | Country | Character Varying (50) | Name of country |
|  |  | Last\_update | Timestamp (6) without time zone | Last update and time without time zone |

Linked to Tables:

None

Linked from Tables:

|  |  |
| --- | --- |
| Table Name | Linked Columns |
| City | City\_id = City\_id |