**ROCKBUSTER STEALTH**

**Data Dictionary**

Prepared by Angitha K.J.

**September 20, 2023**

**Table of Contents**

# 1. Rockbuster Stealth

# 2. Entity Relationship Diagram

# 3. Tables

# 3.1. Fact Tables

# 3.1.1. Table: Payment

# 3.1.2. Table: film\_actor

# 3.1.3. Table: film\_category

# 3.1.4. Table: store

# 3.2. Dimension Tables

# 3.2.1. Table: rental

# 3.2.2. Table: Inventory

# 3.2.3. Table: Film

# 3.2.4. Table: Language

# 3.2.5. Table: category

# 3.2.6. Table: Actor

# 3.2.7. Table: Customer

# 3.2.8. Table: Staff

# 3.2.9. Table: Address

# 3.2.10. Table: City

# 3.2.11. Table: Country

# **Legend**

PK - Primary key

FK - Foreign key

# 

# 1. Rockbuster Stealth

Rockbuster Stealth dataset contains information about the company’s movie inventory, customers, and payments, among other things.

Click on [the link](https://drive.google.com/file/d/1B3SlJrDkm3W8wBMiUku4qA9hupLpN0BA/view?pli=1) to download the dataset.

# 

# 2. Entity Relationship Diagram

A diagram of a computer

Description automatically generated

# 

# 3. Tables

# 3.1. Fact Tables

# 3.1.1. Table: Payment

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Payment\_id | Integer | A primary key acting as payment identifier for payment records |
| FK | Customer\_id | Smallint | Foreign key for customer ID connecting to the customer table primary key. |
| FK | Staff\_id | Smallint | Foreign key for staff ID connecting to the staff table primary key. |
| FK | Rental\_id | Integer | Foreign key for rental ID connecting to the rental table primary key. |
|  | Amount | Numeric | Amount paid in numbers |
|  | Payment\_date | Timestamp without time zone | Time and date of last updating |

# 3.1.2. Table: film\_actor

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK FK | Actor\_id | Smallint | Foreign key for actor ID connecting to the actor table primary key. |
| PK FK | Film\_id | Smallint | Foreign key for actor ID connecting to the film table primary key. |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 

# 3.1.3. Table: film\_category

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| FK PK | Film\_id | Smallint | A primary key acting as unique identifier for film category records |
| FK PK | Category\_id | Smallint | Foreign key for category ID connecting to the category’s primary key. |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 

# 3.1.4. Table: store

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Store\_id | Integer | A primary key acting as unique identifier for store records |
| FK | Manager\_staff\_id | Smallint | Foreign key for manager staff ID connecting to the staff table primary key. |
| FK | Address\_id | Smallint | Foreign key for address ID connecting to the address table primary key. |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 

# 3.2. Dimension Tables

# 3.2.1. Table: rental

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Rental\_id | Integer | A primary key acting as unique identifier for rental records |
|  | Rental\_date | Timestamp without time zone | Date of rental made |
| FK | Inventory\_id | Integer | Foreign key for inventory ID connecting to the inventory table primary key. |
| FK | Customer\_id | Smallint | Foreign key for customer ID connecting to the customer table primary key. |
|  | Return\_date | Timestamp without time zone | Time and date of return of rented movie |
| FK | Staff\_id | Smallint | Foreign key for staff ID connecting to the staff table primary key. |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 3.2.2. Table: Inventory

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Inventory\_id | Integer | A primary key acting as unique identifier for inventory records |
| FK | Film\_id | Smallint | Foreign key for film ID connecting to the film table primary key. |
|  | Store\_id | Smallint | Unique identifier for store |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 3.2.3. Table: Film

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Film\_id | Integer | A primary key acting as unique identifier for film records |
|  | Title | Character varying(255) | Film name |
|  | Description | Text | Description in text |
|  | Release\_year | Integer | Year the film was released |
| FK | Language\_id | Smallint | Foreign key for language ID connecting to the language table primary key. |
|  | Rental\_duration | Smallint | Number of days the film was rented out |
|  | Rental\_rate | Numeric | Rental charge |
|  | Length | Smallint | Film”s length |
|  | Replacement\_cost | Numeric | Cost to pay for replacement |
|  | Rating | USER-DEFINED | Age-restrictions |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |
|  | Special\_features | ARRAY | Related videos |
|  | Fulltext | tsvector | Text to tokens that are used for searching |

# 3.2.4. Table: Language

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Language\_id | Integer | A primary key acting as unique identifier for language records |
|  | Name | Character (20) | Language’s name |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 3.2.5. Table: category

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Category\_id | Serial | Unique category id |
|  | Name | Character varying(25) | Name of a category |
|  | Last\_update | Timestamp(6) without time zone | Date and time the record was last updated |

# 3.2.6. Table: Actor

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Actor\_id | Integer | A primary key acting as unique identifier for actor records |
|  | First\_name | Character varying(45) | first name of actors |
|  | Last\_name | Character varying(45) | last name of actors |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 3.2.7. Table: Customer

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Customer\_id | Integer | A primary key acting as unique identifier for customer records |
|  | Store\_id | Smallint | Unique identifier of store |
|  | First\_name | Character varying(45) | First name of the customer |
|  | Last\_name | Character varying(45) | Last name of the customer |
|  | Email | Character varying(45) | E-mail of the customer |
| FK | Address\_id | Smallint | Foreign key for address ID connecting to the address primary key. |
|  | Activebool | Boolean | To categorize customers as active/ not active |
|  | Create\_date | Date | Record created date |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |
|  | Active | Integer | Denote customer usage 1-active and 0-not active |

# 3.2.8. Table: Staff

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Staff\_id | Integer | A primary key acting as unique identifier for staff records |
|  | First\_name | Character varying (45) | First name of staff |
|  | Last\_name | Character varying (45) | Last name of staff |
| FK | Address\_id | Smallint | Foreign key for address ID connecting to the address table primary key. |
|  | Email | Character varying (50) | Email address of the staff |
|  | Store\_id | Smallint | Unique identifier of store |
|  | Active | Boolean | To categorize staff as active or not active |
|  | Username | Character varying (50) | Username of the staff account |
|  | Password | Character varying (40) | Password of the staff account |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |
|  | Picture | bytea | Staff account profile picture. |

# 3.2.9. Table: Address

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Address\_id | Integer | A primary key acting as unique identifier for address records |
|  | Address | Character varying (50) | Preferred/primary address |
|  | Address2 | Character varying (50) | Additional address |
|  | District | Character varying (20) | Name of district |
| FK | City\_id | Smallint | Foreign key for city ID connecting to the city table primary key. |
|  | Postal\_code | Character varying (10) | Postal code |
|  | Phone | Character varying (20) | Phone number |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 3.2.10. Table: City

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | City\_id | Integer | A primary key acting as unique identifier for city records |
|  | City | Character varying (50) | Name of the city |
| FK | Country\_id | Smallint | Foreign key for country ID connecting to the country table primary key. |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |

# 3.2.11. Table: Country

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Column name | Data type | Description |
| PK | Country\_id | Integer | A primary key acting as unique identifier for country records |
|  | Country | Character varying (50) | Name of the country |
|  | Last\_update | Timestamp without time zone | Time and date of last updating |