ROCKBUSTER STEALTH

Data Dictionary

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**List all the fact tables and all dimension tables in the schema.**

1. **FACT TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| * 1. **Table name** | **Column Name** | **Data Type** | **Description** |
| **1.1.1 Rental** | Rental\_id | integer | A unique identifier for each rental transaction |
|  | Rental\_date | Datetime | Date and time when the rental occurred |
|  | Inventory\_id | integer | Refers to an item in the inventory related to the rental |
|  | Customer\_id | integer | Refers to a customer involved in the rental. |
|  | Return\_date | datetime | Represents the date and time when the rental item was returned |
|  | Staff\_id | integer | Refer to a staff member related to the rental |
|  | Last\_update | Datetime | Represent the date and time of the most recent to rental information |
|  |  |  |  |
| * + 1. **Payment** | Payment\_id (PK) | Integer | This is a primary key that uniquely identifies each payment transaction |
|  | Customer\_id | Integer | A reference to a customer associated with the payment |
|  | Staff\_id | Integer | A reference to a staff member related with the payment. |
|  | Rental\_id | Integer | A referencing rental transaction associated with payment |
|  | Amount | Numeric | Store numeric values such as amount paid |
|  | Payment\_Date | Datetime | Date and time when the payment was made. |
|  |  |  |  |
| **2** | **DIMENSION TABLE** |  |  |
| * 1. **Table name** | **Column name** | **Data type** | **Description** |
| **2.1.1.Film\_\_actor** | Actor\_id (PK) | integer | A primary key for identifying film actors |
|  | Film\_id (PK) | integer | A primary key for identifying films |
|  | Last\_update | Datetime | Represents the date and time of the most recent update to the association between actors and films |
|  |  |  |  |
| * + 1. **Inventory** | Inventory\_id (PK) | integer | A primary key for identifying inventory items. |
|  | Film\_id | integer | Refers to a film associated with the inventory item. |
|  | Store\_id |  | Refers to a store where inventory item is located |
|  | Last\_update | datetime | Represent the date and time of the most recent update inf |
|  |  |  |  |
| * + 1. **Actor** | Actor\_id (PK) | integer | A primary key for identifying actors |
|  | First\_name | Varchar (45) | First name of the actors |
|  | Last\_name | Varchar (45) | Last name of the actors |
|  | Last\_update | Datetime | Date and time of the most recent update inf of actor |
|  |  |  |  |
| **2.1.4. Address** | Address\_id (PK) | integer | Stores customer and staff address |
|  | Address | Varchar(50) | Street address |
|  | Address2 | Varchar(50) | Additional address information, if applicable |
|  | District | Varchar(20) | The district or region of the address |
|  | Citiy\_id | integer | Foreign key referencing city table |
|  | Postal\_code | Varchar(10) | The postal code of the address |
|  | Phone | Varchar(20) | The phone number associated with the address |
|  | Last\_update | Datetime | Date and time of the most recent update to the store inf |
|  |  |  |  |
| **2.1.5.Category** | Category\_id (PK\_ | integer | Primary key that uniquely identifies each category in the table |
|  | Name | Varchar (25) | Name of a film category |
|  | Last\_update | Datetime | Date and time of the most recent update to category information |
|  |  |  |  |
| **2.1.6. City** | City\_id | Integer | Identifier uniquely represents each city in the table |
|  | City | Varchar(50) | City name |
|  | Country\_id | Integer | Foreign key referencing country table |
|  | Last update | Datetime | Date and time of the most recent update to city info |
|  |  |  |  |
| **2.1.7.Country** | Country\_id(PK) | Integer | Primary key that uniquely identifies each country |
|  | Country | Varchar(50) | Representing the country name |
|  | Last\_time | Datetime | Data and time of the most recent update to country info |
|  |  |  |  |
| **2.1.8.Film** | Film\_id (PK) | integer | Primary key that uniquely identifies each film |
|  | title | Varchar(255) | Title of the film |
|  | Description | Text | Store larger amount of text. |
|  | Release\_year | integer | Year the film was released |
|  | Language\_id | integer | Foreign key referencing the language table |
|  | Rental\_duration | integer | Duration of rental for the film |
|  | Rental\_rate | Numeric | Rental rates for the film |
|  | Length | integer | Length of the film |
|  | Replacement\_cost | Numeric | Cost of the replace the film |
|  | Rating | Mpaa.rating | Reference to some rating system |
|  | Last\_update | Datetime | Date and time of the most recent update to film info |
|  |  |  |  |
| **2.1.9. Film\_Category** | Film\_id (PK) | Integer | Primary key that uniquely identifies each film in the table |
|  | Category\_id(PK) | Integer | Foreign key referencing category table |
|  | Last\_update | Datetime | Date and time of the most recent update to film |
|  |  |  | Top of Form |
| **2.1.10. Language** | Language\_id (PK) | integer | Primary key that uniquely identifies each language in the table |
|  | Name | Varchar(50) | Name of the languages |
|  | Last\_update | Datetime | Date and time of the most recent update to language information. |
|  |  |  |  |
| **2.1.11. Staff** | Staff\_id | Integer(PK | Unique identifier for each staff members in the table |
|  | First\_name | Varchar(45) | First name of the staff name |
|  | Last\_name | Varchar(45) | Last name of the staff name |
|  | Address\_id | Integer | Foregin key reference to an address associated with the staff member. |
|  | Email | Varchar(50) | Email address of a staff member |
|  | Store\_id | Integer | Store where the staff members works, through a foreign key reference |
|  | Active | Boolean | Indicate staff members currently active (true or false) |
|  | Username | Varchar(16) | Username used by the staff member for authentication |
|  | Password | Varchar(40) | Password used by the staff member for authentication |
|  | Last\_Update | Datetime | Date and time of the most recent update to staff info |
|  |  |  |  |
| **2.1.12. Store** | Store\_id (PK) | Integer | Primary key that uniquely identifies each store. |
|  | Manager\_staff\_id | Integer | Foreign key that referencing staff table. |
|  | Address\_id | Integer | Foreign key referencing address table |
|  | Last\_Update | Datetime | Record the date and time of most recent update info |
|  |  |  |  |
| **2.1.13. Orders** | Order\_id | integer | Unique identifier for each order |
|  | Product\_name | Varchar (50) | Contains the name of the product associated with order |
|  | Manufacturing\_name | Varchar (50) | Holds the manufacturing name of the product (company name or manufacturer |
|  | Order\_date | Date | Date when the order was placed. |
|  |  |  |  |
| **2.1.14. Employee** | Employee\_id | Integer | A unique identifier for each employee |
|  | First\_name | Text | The first name of the employee |
|  | Last\_name | Text | The last name of the employee |
|  | Contact\_number | Text | The employee’s phone number |
|  | Designation\_id | Integer | Unique identifier for different designations within the company |
|  | Last\_update | Timestamp | Date and time when a particular record was last updated in the database |

1. **Rocker buster ERD/ Snowflake schema**

A diagram of a company

Description automatically generated with medium confidence

Tableau Links

<https://public.tableau.com/app/profile/auguste.shikongo/viz/SalesAcrossGeographiccountries/Sheet1?publish=yes>

<https://public.tableau.com/app/profile/auguste.shikongo/viz/HighLifetimeValueCustomers_16925866924940/Sheet1?publish=yes>

<https://public.tableau.com/app/profile/auguste.shikongo/viz/CustomerGeography/Sheet1?publish=yes>

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