**ROCKBUSTER STEALTH LLC**

**Data dictionary**

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**3.10: Presenting SQL Results**

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**1. Fact Tables:**

**1.1 Payment Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Payment\_id | Serial | A unique identifier associated with the payment transaction. |
| Foreign Key | Customer\_id | SMALLINT | A unique identifier assigned to the customer |
| Foreign Key | Staff\_id | SMALLINT | A unique identifier assigned to the staff |
| Foreign Key | Rental\_id | INTEGER | A unique identifier associated with the rental transaction. |
|  | Amount | NUMERICS | The total cost of the rental. |
|  | Payment\_date | TIMESTAMP WITHOUT TIME ZONE | Date and time the rental was paid for. |

**1.2 Rental Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Rental\_id | INTEGER | A unique identifier associated with the rental transaction. |
|  | Rental\_date | TIMESPAM WITHOUT TIME ZONE | Date and time the movie was rented. |
| Foreign Key | Inventory\_id | INTEGER | A unique identifier assigned to the specific rental unit. |
| Foreign Key | Customer\_id | SMALLINT | A unique identifier assigned to the customer. |
|  | Return\_date | TIMESPAM WITHOUT TIME ZONE | Date and time the movie was returned. |
| Foreign Key | Staff\_id | SMALLINT | A unique identifier assigned to the staff. |
|  | Last\_update | TIMESPAM WITHOUT TIME ZONE | Date and time the rental data was update. |

**2. Dimension Tables:**

**2.1 Film\_Actor**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Foreign Key | Actor\_id | SMALLINT | A unique identifier assigned to an actor in a movie. |
| Foreign Key | Film\_id | SMALLINT | A unique identifier assigned to a film. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.2 Actor Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Actor\_id | SERIAL | A unique identifier of an actor. |
|  | First\_name | CHARACTER VARYING | First name of the actor. |
|  | Last\_name | CHARACTER VARYING | Last name of the actor |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.3 Inventory Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data type** | **Description** |
| Primary Key | Inventory\_id | SERIAL | A unique identifier assigned to the specific rental unit. |
| Foreign Key | Film\_id | SMALLINT | A unique identifier assigned to the film. |
|  | Store\_id | SMALLINT | A unique identifier associated with the specific Rockbuster location. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.4 Film Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Film\_id | SERIAL | A unique identifier of the film. |
|  | Title | CHARACTER VARYING | Title of the film. |
|  | Description | TEXT | Summary of the film. |
|  | Release\_year | YEAR | Year of the film was released to the public. |
| Foreign Key | Language\_id | SMALLINT | A unique identifier for the primary language spoken in the film. |
|  | Rental\_duration | SMALLINT | Number of days the film is rented for. |
|  | Rental\_rate | NUMERIC | Cost to rent the film per day. |
|  | Length | SMALLINT | How long the film is in minutes. |
|  | Replacenment\_cost | NUMERIC | Cost to replace the film if it is lost. |
|  | Rating | mpaa\_rating | Motion picture association of America rating system. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and Time the data was updated. |
|  | Special\_features | TEXT [] | Additional features included with rental of the film. |
|  | Fulltext | Tsvectop | Keywords associated with the film. |

**2.5 Language Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Language\_id | SERIAL | A unique identifier for the primary language spoken in the film. |
|  | Name | CHARACTER VARYING | Language spoken in the film. |
|  | Last\_Update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.6 Film\_Category Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Film\_id | SMALLINT | A unique identifier assigned to a film. |
| Foreign Key | Category\_id | SMALLINT | A unique identifier assigned to a film category. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.7 Category Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Category\_id | SERIAL | A unique identifier assigned to a film category. |
|  | Name | CHARACTER VARYING | Name of the film category. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.8 Customer Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Description** |
| Primary Key | Customer\_id | SERAIL | A unique identifier assigned to the customer. |
|  | Store\_id | SMALLINT | A unique identifier associated with the specific rockbuster location. |
|  | First\_name | CHARACTER VARYING | First name of the customer. |
|  | Last\_name | CHARACTER VARYING | Last name of the customer. |
|  | Email | CHARACTER VARYING | Email address of the customer. |
| Foreign Key | Address\_id | SMALLINT | Unique identifier assigned to customer address. |
|  | Activebool | BOOLEAN | Identifies if customer is active in the system  (true or false values). |
|  | Create\_date | DATE | Date the customer was first entered into the system. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |
|  | Active | INTEGER | Identifies if customer is active in the system. |

**2.9 Store Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Descriptions** |
| Primary Key | Store\_id | SERIAL | A unique identifier associated with the specific Rockbuster location. |
| Foreign Key | Manager\_staff\_id | SMALLINT | A unique identifier assigned to the manager of the Rockbuster location. |
| Foreign Key | Address\_id | SMALLINT | A unique identifier assigned to the address of the Rockbuster location. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.10 Staff Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Descriptions** |
| Primary Key | Staff\_id | SERIAL | A unique identifier assigned to staff. |
|  | First\_name | CHARACTER VARYING | First name of the staff member. |
|  | Last\_name | CHARACTER VARYING | Last name of the staff member. |
| Foreign Key | Address\_id | SMALLINT | Unique identifier assigned to staff member address. |
|  | Email | CHARACTER VARYING | Email address of the staff member. |
| Foreign Key | Store\_id | SMALLINT | A unique identifier associated with the specific Rockbuster location. |
|  | Active | BOOLEAN | Identifies if staff member is active in the system. |
|  | Username | CHARACTER VARYING | Username of the staff member. |
|  | Password | CHARACTER VARYING | Password of the staff member. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |
|  | Picture | BYTEA | Picture of the staff member. |

**2.11 Address Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Descriptions** |
| Primary Key | Address\_id | SERIAL | A unique identifier associated with the staff or customer address. |
|  | Address1 | CHARACTER VARYING | First line of address of the staff or customer. |
|  | Address2 | CHARACTER VARYING | Second line of the address of the staff or customer. |
|  | District | CHARACTER VARYING | Geographic area the staff or customer resides. |
| Foreign Key | City\_id | SMALLINT | A unique identifier associated with the city where the staff or customer resides. |
|  | Postal\_code | CHARACTER VARYING | Postal or Zip code where the staff or customer resides. |
|  | Phone | CHARACTER VARYING | Phone number of the staff or customer. |
|  | Last\_updated | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.12 City Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique key** | **Columns** | **Data Type** | **Descriptions** |
| Primary Key | City\_id | SERIAL | A unique identifier associated with the city where the staff or customer resides. |
|  | City | CHARACTER VARYING | Name of the city the staff or customer resides. |
| Foreign Key | Country\_id | SMALLINT | A unique identifier associated with the country where the staff or customer resides. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**2.13 Country Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unique Key** | **Columns** | **Data Type** | **Descriptions** |
| Primary Key | Country\_id | SERIAL | A unique identifier associated with the country where the staff or customer resides. |
|  | Country | CHARACTER VARYING | Name of the country where the staff or customer resides. |
|  | Last\_update | TIMESTAMP WITHOUT TIME ZONE | Date and time the data was updated. |

**3. Entity Relationship Diagram (ERD):**