ROCKBUSTER STEALTH

DATA DICTIONARY

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**1.0 ENTITY RELATIONSHIP DIAGRAM (ERD)**

Diagram

Description automatically generated

**2.0 FACT TABLES:**

***2.1 PAYMENT TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | payment\_id | serial | unique id for payment |
| FK | customer\_id | smallint | unique id for customer |
| FK | staff\_id | smallint | unique id for staff member |
| FK | rental\_id | integer | unique id for rental |
|  | amount | numeric(5,2) | amount paid |
|  | payment\_date | timestamp(6) no time zone | date and time of payment |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| customer | payment.customer\_id=customer.customer\_id |
| staff | payment.staff\_id=staff.staff\_id |
| rental | payment.rental\_id=rental.rental\_id |

Links from: Nothing

***2.2 RENTAL TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | rental\_id | serial | unique id for rental |
|  | rental\_date | timestamp(6) no time zone | dateand time of rental |
| FK | inventory\_id | integer | unique id for invetory |
| FK | customer\_id | smallint | unique id for customer |
|  | return\_date | timestamp(6) no time zone | date and time of return |
| FK | staff\_id | smallint | unique id for staff member |
|  | last \_update | timestamp(6) no time zone | date and time the table was updated |

Link to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| inventory | rental.inventory\_id=inventory.inventory\_id |
| customer | rental.customer\_id=customer.customer\_id |
| staff | rental.staff\_id =staff.staff\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| payment | payment.rental\_id=rental.rental\_id |

**3.0 DIMENSION TABLES:**

**3.1 FILM TABLES:**

***3.1.1 FILM TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | film\_id | serial | unique id for film |
|  | title | character varying(255) | title of film |
|  | description | text | description of film |
|  | release\_year | year | year film was released |
| FK | language\_id | smallint | unique id for film's language |
|  | rental\_duration | smallint | duration of rental |
|  | rental\_rate | numeric(4,2) | cost of rental |
|  | length | smallint | length of film |
|  | replacement\_rate | numerica(5,2) | cost of replacement if rental not returned |
|  | rating | mpaa\_rating | film's rating |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |
|  | special features | text[] | special features for film |
|  | fulltext | tsvector | index type |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| language | film.language\_id=language.language\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film\_category | film\_category.film\_id=film.film\_id |
| inventory | inventory.film\_id=film.film\_id |
| film\_actor | film\_actor.film\_id=film.film\_id |

***3.1.2 FILM CATEGORY TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| FK | film\_id | smallint | unique id for film |
| FK | category\_id | smallint | unique id for category |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film | category.film\_id=film.film\_id |
| category | film\_category.category\_id=category.category\_id |

Links from: None

***3.1.3 CATEGORY TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | category\_id | serial | unique id for category |
|  | name | character varying(25) | name of category |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to: None

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film\_category | film\_category.category\_id=category.category\_id |

***3.1.4 LANGUAGE TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | language\_id | serial | unique id for film's language |
|  | name | character(20) | name of language |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to: None

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film | film.language\_id=language.language\_id |

***3.1.5 FILM ACTOR TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| FK | actor\_id | smallint | unique id for actor |
| FK | film\_id | smallint | unique id for film |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film | film\_actor.film\_id=film.film\_id |
| actor | film\_actor.actor\_id=actor.actor\_id |

Links from: None

***3.1.6 ACTOR TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | actor\_id | serial | unique id for actor |
|  | first\_name | character varying(45) | actor's first name |
|  | last\_name | character varying(45) | actor's last name |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to: None

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film\_actor | film\_actor.actor\_id=actor.actor\_id |

***3.1.7 INVENTORY TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | inventory\_id | serial | unique id for inventory |
| FK | film\_id | smallint | unique id for film |
| FK | store\_id | smallint | unique id for store |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| film | inventory.film\_id=film.film\_id |
| store | inventory.store\_id=store.store\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| Rental | rental.inventory\_id=inventory.inventory\_id |

**3.2 PEOPLE TABLES:**

***3.2.1 CUSTOMER TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | customer\_id | serial | unique id for customer |
| FK | store\_id | smallint | unique id for store |
|  | first\_name | character varying(45) | Customer's first name |
|  | last\_name | character varying(45) | Customer's last name |
|  | email | character varying(50) | Customer's email address |
| FK | address\_id | smallint | unique id for customer's address |
|  | active\_bool | boolean | tells us if customer is active |
|  | create\_date | date | date customer entered into system |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |
|  | active | integer | number indicating if active |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| store | customer.store\_id=store.store\_id |
| address | customer.address\_id=address.address\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| payment | payment.customer\_id=customer.customer\_id |
| rental | rental.customer\_id=customer.customer\_id |

***3.2.2 STAFF TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | staff\_id | serial | unique id for staff |
|  | first\_name | character varying(45) | staff's first name |
|  | last\_name | character varying(45) | staff's last name |
| FK | address\_id | smallint | unique id for staff's address |
|  | email | character varying(50) | staff's email address |
| FK | store\_id | smallint | unique id for store |
|  | active | boolean | tells us if staff is active |
|  | username | character varying(16) | staff's username address |
|  | password | character varying(40) | staff's password |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |
|  | picture | bytea | picture of staff |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| store | staff.store\_id=store.store\_id |
| address | staff.address\_id=address.address\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| payment | payment.staff\_id=staff.staff\_id |
| rental | rental.staff\_id=staff.staff\_id |

**3.3 LOCATION TABLES:**

***3.3.1 STORE TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | store\_id | serial | unique id for store |
| FK | manager\_staff\_id | smallint | unique id for manager |
| FK | address\_id | smallint | unique id store address |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| staff | store.staff\_id=staff.staff\_id |
| address | store.address\_id =address.staff\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| customer | customer.store\_id=store.store\_id |
| staff | staff.store\_id=store.store\_id |
| inventory | inventory.store\_id=store.store\_id |

***3.3.2 ADDRESS TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | address\_id | serial | unique id for store's address |
|  | address | character varying(50) | first line for address of store |
|  | address2 | character varying(50) | second line for address of store |
|  | district | character varying(20) | district of store |
| FK | city\_id | smallint | unique id for store's city |
|  | postal\_code | character varying(10) | store's postal code |
|  | phone | character varying(20) | store's phone number |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| city | address.city\_id=city.city\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| staff | staff.address\_id=address.address\_id |
| store | store.address\_id =address.address\_id |
| customer | customer.address\_id=address.address\_id |

***3.3.3 CITY TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | city\_id | serial | unique id for store's city |
|  | city | character varying(50) | name of store's city |
| FK | country\_id | smallint | unique id for country of store |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| country | city.country\_id=country.country\_id |

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| address | address.city\_id=city.city\_id |

***3.3.4 COUNTRY TABLE***

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **Columns** | **Data Type** | **Description** |
| PK | country\_id | serial | unique id for store's country |
|  | country | character varying(50) | name of country that store is in |
|  | last\_update | timestamp(6) no time zone | date and time the table was updated |

Links to: None

Links from:

|  |  |
| --- | --- |
| **Table Name** | **Join** |
| city | city.country\_id=country.country\_id |