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Rockbuster Stealth LLC

Data Dictionary

**Table of Contents**

**­­­**

**1. Entity Relationship Diagram**

**2. Fact Tables**

**2.1 Payment**

**2.2 Rental**

**3. Dimension Tables**

**3.1 - Store**

**3.2 Film\_Actor**

**3.3 Inventory**

**3.4 Film\_Category**

**3.5 Customer**

**3.6 Staff**

**3.7 Actor**

**3.8 Film**

**3.9 Category**

**3.10 Address**

**3.11 Language**

**3.12 City**

**3.13 Country**

1.Entity Relationship Diagram

A diagram of a company

Description automatically generated

**2. FACT TABLES**

 = Primary Key

 = Foreign Key

**2.1 Payment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| Payment | Key with solid fill | payment\_id | SERIAL | unique payment identifier |
| Key with solid fill | customer\_id | SMALLINT | unique customer identifier |
| Key with solid fill | staff\_id | SMALLINT | unique staff identifier |
| Key with solid fill | rental\_id | INTEGER | unique rental identifier |
|  | amount | NUMERIC (5,2) | numerical cost |
|  | payment\_date | TIMESTAMP (6) WITHOUT TIME ZONE | date of payment with no timezone |

Links to:

* CUSTOMER by customer\_id
* STAFF by staff\_id
* RENTAL by rental\_id

Links From: None

**2.2 Rental**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| rental | Key with solid fill | rental\_id | SERIAL | unique rental identifier |
|  | rental\_date | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of rental without time zone |
| Key with solid fill | inventory\_id | INTEGER | unique inventory identifier |
| Key with solid fill | customer\_id | SMALLINT | unique customer identifier |
|  | return\_date | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of return without time zone |
| Key with solid fill | staff\_id | SMALLINT | unique staff identifier |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update without time zone |

Links to:

* INVENTORY by inventory\_id
* CUSTOMER by customer\_id
* STAFF by staff\_id

Links from: None

**3. DIMENSION TABLES**

**3.1 - Store**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| store | Key with solid fill | store\_id | SERIAL | unique store identifier |
| Key with solid fill | manager\_staff\_id | SMALLINT | id of store manager |
| Key with solid fill | address\_id | SMALLINT | id of address |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links to:

* STAFF by manager\_staff\_id
* ADDRESS by address\_id

Links From: None

**3.2 Film\_Actor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| film\_actor | Key with solid fill | actor\_id | SMALLINT | id of actor |
| Key with solid fill | film\_id | SMALLINT | id of film |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links to

* ACTOR by actor\_id
* FILM by film\_id

Links From: None

**3.3 Inventory**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| inventory | Key with solid fill | inventory\_id | SERIAL | unique inventory identifier |
| Key with solid fill | film\_id | SMALLINT | id of film |
|  | store\_id | SMALLINT | id of store |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links to:

* FILM by film\_id

Links From

* RENTAL by inventory\_id

**3.4 Film\_Category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| film\_category | Key with solid fill | film\_id | SMALLINT | id of film |
| Key with solid fill | category\_id | SMALLINT | id of category |
|  | last\_update | TIMESTAMP(6) WITHOUT TIMEZONE | time and date of last update with no timezone |

Links to:

* CATEGORY by category\_id
* FILM by film\_id

Links From - None

**3.5 Customer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| customer | Key with solid fill | customer\_id | SERIAL | unique customer identifier |
|  | store\_id | SMALLINT | id of store |
|  | first\_name | CHARACTER VARYING (45) | first name of customer |
|  | last\_name | CHARACTER VARYING (45) | last name of customer |
|  | email | CHARACTER VARYING (50) | customer email |
| Key with solid fill | address\_id | SMALLINT | id of address |
|  | activebool | BOOLEAN | customer activity status |
|  | create\_date | DATE | date customer created |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |
|  | active | INTEGER | active integer |

Links to:

* ADDRESS by address\_id

Links From:

* RENTAL BY customer\_id
* PAYMENT by customer\_id

**3.6 Staff**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| staff | Key with solid fill | staff\_id | SERIAL | unique staff identifier |
|  | first\_name | CHARACTER VARYING (45) | employee first name |
|  | last\_name | CHARACTER VARYING (45) | employee last name |
| Key with solid fill | address\_id | SMALLINT | address id |
|  | email | CHARACTER VARYING (50) | employee email |
|  | store\_id | SMALLINT | store id |
|  | active | BOOLEAN | active status |
|  | username | CHARACTER VARYING (16) | username |
|  | password | CHARACTER VARYING(40) | password |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |
|  | picture | BYTEA | photo of employee |

**3.7 Actor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| actor | Key with solid fill | actor\_id | SERIAL | unique actor identifier |
|  | first\_name | CHARACTER VARYING (45) | first name |
|  | last\_name | CHARACTER VARYING (45) | last name |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links To: None

Links From:

* FILM\_ACTOR by actor\_id

**3.8 Film**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description | |
| film | Key with solid fill | film\_id | SERIAL | unique film identifier |
|  | title | CHARACTER VARYING (225) | name of film |
|  | description | TEXT | description of film |
|  | release\_year | year | year of film |
| Key with solid fill | language\_id | SMALLINT | language of rental |
|  | rental\_duration | SMALLINT | duration of rental |
|  | rental\_rate | NUMERIC(4,2) | cost of rental |
|  | length | SMALLINT | length of film |
|  | replacement\_cost | NUMERIC(5,2) | cost of film if not returned |
|  | rating | mpaa\_rating | movie rating |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |
|  | special\_features | TEXT[] |

Links To:

* LANGUAGE by language\_id

Links From:

* FILM\_ACTOR by film\_id
* FILM\_CATEGORY by film\_id
* INVENTORY by film\_id

**3.9 Category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| category | Key with solid fill | category\_id | SERIAL | unique category identifier |
|  | name | CHARACTER VARYING (25) | category name |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links To: None

Links From:

* FILM\_CATEGORY by category\_id

**3.10 Address**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| address | Key with solid fill | address\_id | SERIAL | unique address identifier |
|  | address | CHARACTER VARYING (50) | address line |
|  | address2 | CHARACTER VARYING (50) | address line 2 |
|  | district | CHARACTER VARYING (20) | district name |
| Key with solid fill | city\_id | SMALLINT | id of city |
|  | postal\_code | CHARACTER VARYING (10) | postal code |
|  | phone | CHARACTER VARYING (20) | phone number |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links To:

* CITY by city\_id

Links From:

* CUSTOMER by address\_id
* STAFF by address\_id
* STORE by address\_id

**3.11 Language**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| language | Key with solid fill | language\_id | SERIAL | unique language identifier |
|  | name | CHARACTER(20) | character name |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links to – None

Links from:

* FILM by language\_id

**3.12 City**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| city | Key with solid fill | city\_id | SERIAL | unique city identifier |
|  | city | CHARACTER VARYING (50) | city name |
| Key with solid fill | country\_id | SMALLINT | id of country |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links To:

* COUNTRY by country\_id

Links From:

* ADDRESS by city\_id

**3.13 Country**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Key | Columns | Data Type | Description |
| country | Key with solid fill | country\_id | SERIAL | unique country identifier |
|  | country | CHARACTER VARYING (50) | country name |
|  | last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | time and date of last update with no timezone |

Links to: None

Links From:

* CITY by country\_id