ROCKBUSTER STEALTH

Data Dictionary

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1. Entity Relationship Diagram (ERD):

2. Fact Table

2.1 Rental

Columns	Data Type	Description	Links
rental_id	SERIAL	Sequential integer identifying a rental. **(Primary Key)**	Payment
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Film rental date.	
inventory_id	INTEGER	Identification number for a copy of a film carried in inventory. **(Foreign Key)**	Inventory
customer_id	SMALLINT	Identification number associated with a customer. **(Foreign Key)**	Customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date that a rental is returned.	
staff_id	SMALLINT	Identification number associated with a staff member. **(Foreign Key)**	Staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3. Dimension Tables

3.1 Payment

Columns	Data Type	Description	Links
payment_id	SERIAL	Sequential integer identifying a payment. **(Primary Key)**	
customer_id	SMALLINT	Identification number associated with a customer. **(Foreign Key)**	Customer
staff_id	SMALLINT	Identification number associated with a staff member. **(Foreign Key)**	Staff
rental_id	INTEGER	Sequential integer identifying a rental. **(Foreign Key)**	Rental
amount	NUMERIC(5,2)	Payment amount for a rental.	
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date a payment was made.	

3.2 Store

Columns	Data Type	Description	Links
store_id	SERIAL	Identification number associated with a store. **(Primary Key)**	
manager_staff _id	SMALLINT	Identification number associated with a staff manager. **(Foreign Key)**	Rental, Staff, Payment
address_id	SMALLINT	Identification number associated with a store address. **(Foreign Key)**	Address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.3 Film Actor

Columns	Data Type	Description	Links
actor_id	SMALLINT	Identification number associated with an actor. **(Composite Key, Foreign Key)**	Actor
film_id	SMALLINT	Identification number associated with a film. **(Composite Key, Foreign Key)**	Film, Inventory, Film Category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.4 Inventory

Columns	Data Type	Description	Links
inventory_id	SERIAL	Identification number for a copy of a film carried in inventory. **(Primary Key)**	Rental
film_id	SMALLINT	Identification number associated with a film. **(Foreign Key)**	Film, Film Category, Film Actor
store_id	SMALLINT	Identification number associated with a store.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.5 Film Category

Columns	Data Type	Description	Links
film_id	SMALLINT	Identification number associated with a film. **(Composite Key, Foreign Key)**	Film, Inventory, Film Actor
category_id	SMALLINT	Identification number representing film category. **(Composite Key, Foreign Key)**	Category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.6 Customer

Columns	Data Type	Description	Links
customer_id	SERIAL	Identification number associated with a customer. **(Primary Key)**	Rental, Payment
store_id	SMALLINT	Identification number associated with a store.	
first_name	CHARACTER VARYING(45)	Customer first name.	
last_name	CHARACTER VARYING(45)	Customer last name.	
email	CHARACTER VARYING(50)	Customer email address.	
address_id	SMALLINT	Identification number associated with customer address. **(Foreign Key)**	Address, Customer, Store
activebool	BOOLEAN	True/False value representing whether a customer is current.	
create_date	DATE	Date that customer account was created.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	
active	INTEGER	Number representing whether a customer is current.	

3.7 Staff

Column	Data Type	Description	Links
staff_id	SERIAL	Identification number associated with a staff member. **(Primary Key)**	Payment, Rental, Store
first_name	CHARACTER VARYING(45)	Staff member first name.	
last_name	CHARACTER VARYING(45)	Staff member last name.	
address_id	SMALL	Identification number representing staff member address. **(Foreign Key)**	Address, Store, Customer
email	CHARACTER VARYING(50)	Staff member email address	
store_id	SMALLINT	Identification number associated with a store.	
active	BOOLEAN	Number representing whether a staff member is currently employed.	
username	CHARACTER VARYING(16)	Staff member username.	
password	CHARACTER VARYING(40)	Staff member password.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	
picture	BYTEA	Staff member photograph.	

3.8 Actor

Columns	Data Type	Description	Links
actor_id	SERIAL	Identification number associated with an actor. **(Primary Key)**	Film Actor
first_name	CHARACTER VARYING(45)	Actor first name.	
last_name	CHARACTER VARYING(45)	Actor last name.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.9 Film

Columns	Data Type	Description	Links
film_id	SERIAL	Identification number associated with a film. **(Primary Key)**	Inventory, Film Category, Film Actor
title	CHARACTER VARYING(255)	Film title.	
description	TEXT	Film description.	
release_year	Year	Year of film release.	
language_id	SMALLINT	Identification number associated with film language. **(Foreign Key)**	Language
rental_duration	SMALLINT	How long a film was rented.	
rental_rate	NUMERIC(4,2)	Cost of film rental.	
length	SMALLINT	Film running time.	
replacement_cost	NUMERIC(5,2)	Cost for film replacement.	
rating	m paa_rating	Film rating by Motion Picture Association of America.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	
special_features	TEXT[]	Description of special features included with the film.	
fulltext	TSVECTOR	Text formatted for searching.	

3.10 Category

Columns	Data Type	Description	Links
category_id	SERIAL	Identification number representing film category. **(Primary Key)**	Film Category
name	CHARACTER VARYING(5,2)	Category name.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.11 Language

Columns	Data Type	Description	Links
language_id	SERIAL	Identification number associated with a language. **(Primary Key)**	Film
name	CHARACTER(20)	Language name.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.12 Address

Column	Data Type	Description	Links
address_id	SERIAL	Identification number representing address. **(Primary Key)**	Customer, Staff, Store
address	CHARACTER VARYING(50)	Street address.	
address2	CHARACTER VARYING(50)	Additional line for street address.	
district	CHARACTER VARYING(20)	Address district.	
city_id	SMALLINT	Identification number representing city. **(Foreign Key)**	City
postal_code	CHARACTER VARYING(10)	Address Postal code.	
phone	CHARACTER VARYING(20)	Phone number.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.13 City

Columns	Data Type	Description	Links
city_id	SERIAL	Identification number representing a city. **(Primary Key)**	Address
city	CHARACTER VARYING(50)	City name.	
country_id	SMALLINT	Identification number representing a country. **(Foreign Key)**	Country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	

3.14 Country

Columns	Data Type	Description	Links
country_id	SERIAL	Identification number representing a country. **(Primary Key)**	City
country	CHARACTER VARYING(50)	Country name.	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Most recent data update.	