Rockbuster Stealth

Data Dictionary

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CTE Abbreviations

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language = l

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category = ca

Fact Tables

Payment Table

Columns	Data Type	Description
payment_id (PK)	integer	Unique identifier; primary key
customer_id (FK)	smallint	1-3 digit discrete number for customer identifier; foreign key
staff_id (FK)	smallint	Either integer 1 or 2; foreign key
rental_id (FK)	integer	Unique identifier; considered foreign key
amount	numeric	Continuous numbers for price rental
payment_date	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Payment Links To/From

Table Name	Join
rental	p.rental_id = c.rental_id
Staff	p.staff_id = s.staff_id
customer	r.customer_id = c.customer_id

Dimension Tables:

Rental Table

Columns	Data Type	Description
rental_id (PK)	integer	Unique identifier; considered primary key
rental_date	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second
inventory_id (FK)	integer	3-4 character integer serving as unique inventory number; foreign key
customer_id (FK)	smallint	2-3 character integer serving as unique customer ID number; foreign key
return_date	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second
staff_id (FK)	smallint	Either integer 1 or 2; foreign key
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Rental Links To/From

Table Name	Join
payment	p.rental_id = r.rental_id
inventory	r.inventory_id = i.inventory_id
staff	r.staff_id = s.staff_id
customer	r.customer_id = c.customer_id

Store Table

Columns	Data Type	Description
store_id (PK)	integer	Single digit discrete number (1 or 2) for unique store identifier; primary key
manager_staff_id (FK)	smallint	Single digit discrete number (1 or 2) for unique staff identifier; foreign key
address_id	smallint	Single digit discrete number (1 or 2) for unique address identifier
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Store Links To/From

Table Name	Join
staff	st.staff_id = s.staff_id
address	st.address_id = ad.address_id

Staff Table

Columns	Data Type	Description
staff_id (PK)	integer	Single digit discrete number (1 or 2) for unique staff identifier; primary key
first_name	character varying(45)	Varying characters (up to 45) for first name
last_name	character varying(45)	Varying characters (up to 45) for last name
address_id (FK)	smallint	Single digit integer to indicate unique address ID; foreign key
email	character varying(50)	Varying characters with @ and .com for email format
store_id	smallint	Single digit discrete number (1 or 2) for unique store identifier
active	boolean	True or False statement?
username	character varying(16)	Varying characters (up to 16) for username
password	character varying(40)	Varying characters (up to 40) for password
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second
picture	bytea	Binary array for non-textual information

Store Links To/From

Table Name	Join
payment	p.staff_id = s.staff_id
store	st.store_id = s.store_id
rental	r.staff_id = s.staff_id
address	s.address_id = ad.address_id

Inventory Table

Columns	Data Type	Description
inventory_id (PK)	integer	1-3 character integer to indicate unique ID for inventory; primary key
film_id (FK)	smallint	Unique numerical identifier 1-1000; primary key
store_id	smallint	Single digit discrete number (1 or 2) for unique store identifier
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Inventory Links To/From

Table Name	Join
rental	r.inventory_id = i.inventory_id
film	i.film_id = f.film_id

Customer Table

Columns	Data Type	Description
customer_id (PK)	integer	1-3 digit discrete number for customer identifier; primary key
store_id	smallint	Either integer 1 or 2 for unique identifier
first_name	character varying(45)	Varying characters (up to 45) for first name
last_name	character varying(45)	Varying characters (up to 45) for last name
email	character varying(50)	Varying characters with @ and .com for email format
address_id (FK)	smallint	1-3 character integer to indicate unique ID for inventory; foreign key
activebool	boolean	True or False statement?
create_date	date	YYYY-MM-DD format for date of customer creation entry
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second
active	integer	Single integer—1 or 0

Customer Links To/From

Table Name	Join
payment	p.payment_id = c.payment_id

rental	r.customer_id = c.customer_id
address	c.address_id = ad.address_id

Address Table

Columns	Data Type	Description
address_id (PK)	integer	1-3 character integer to indicate unique ID for inventory; primary key
address	character varying(50)	Varying characters (up to 50) for physical address
address2	character varying(50)	Varying characters (up to 50) for 2nd line of physical address
district	character varying(20)	Varying characters (up to 20) for name of district
city_id	smallint	1-3 character integer to indicate unique ID for city
postal_code	character varying(10)	Varying characters (up to 10) for discrete numeric value
phone	character varying(20)	Varying characters (up to 20) for discrete numeric value
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Address Links To/From

Table Name	Join
customer	c.address_id = ad.address_id
store	st.address_id = ad.address_id
staff	s.address_id = ad.address_id
city	ad.city_id = ci.city_id

City Table

Columns	Data Type	Description
city_id (PK)	integer	1-3 digit discrete number for customer identifier; primary key
city	character varying(50)	Varying characts (up to 50) for name1-3 digit discrete number for customer identifier
country_id (FK)	smallint	1-3 digit discrete number for customer identifier; foreign key
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

City Links To/From

Table Name	Join
address	ad.address_id = ci.address_id
country	ci.country_id = co.country_id

Country Table

Columns	Data Type	Description
country_id	integer	1-3 digit discrete number for customer identifier; primary key
country	character varying(50)	Varying characts (up to 50) for name1-3 digit discrete number for customer identifier
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Country Links To/From

Table Name	Join
city	ci.country_id = co.country_id

Film Table

Columns	Data Type	Description
film_id (PK)	integer	Unique numerical identifier 1-1000; primary key
title	character varying(255)	Varying characters in the form of movie titles
description	text	Text description of movies
release_year	integer	Release year in YYYY number format
language_id	smallint	Single digit ("1"); Foreign Key
rental_duration	smallint	Discrete numbers for days of rental
rental_rate	numeric	Continuous numbers for price rental
length	smallint	Discrete numbers in minutes for length of film
replacement_cost	numeric	Continuous number for price to replace film
rating	USER-DEFINED	Maturity film rating level
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

special_features	ARRAY	Selection of special feature options: "Behind the scenes", Commentaries, Trailers
fulltext	tsvector	Film feature keywords?

Film Links To/From

Table Name	Join
inventory	fi.film_id = i.film_id
film_category	fc.film_id = fi.film_id
film_actor	fa.film_id = fi.film_id
language	fi.language_id = l.language_id

Film_actor Table

Columns	Data Type	Description
actor_id (PK, FK)	smallint	1-2 digit discrete number for actor identifier; primary & foreign key
film_id (PK, FK)	smallint	Unique numerical identifier 1-1000; primary, foreign key
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Film_actor Links To/From

Table Name	Join
actor	fa.actor_id = a.actor_id
film	fa.film_id = f.film_id

Actor Table

Columns	Data Type	Description
actor_id (PK)	integer	1-2 digit discrete number for actor identifier; primary key
first_name	character varying(45)	Varying characters (up to 45) for first name
last_name	character varying(45)	Varying characters (up to 45) for last name
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Actor Links To/From

Table Name	Join
film_actor	fa.actor_id = a.actor_id

Language Table

Columns	Data Type	Description
language_id (PK)	integer	Single digit; Primary Key
name	character varying(20)	Varying characters (up to 20) for name of language
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Language Links To/From

Table Name	Join
film	f.language_id = l.language_id

Film_category Table

Columns	Data Type	Description
film_id (PK, FK)	smallint	1-3 digit discrete number for film identifier; primary & foreign key
category_id (PK, FK)	smallint	1-2 digit discrete number for category identifier; primary key
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Film_category Links To/From

Table Name	Join
film	fc.film_id = f.film_id
category	fc.category_id = ca.category_id

Category Table

Columns	Data Type	Description
category_id (PK)	integer	1-2 digit discrete number for category identifier; primary key
name	character varying(25)	Varying characters (up to 25) for genre category
last_update	timestamp without time zone	Timestamp in the proper year/month/day and hour/minute/second

Category Links To/From

Table Name	Join
film_category	ca.category_id = fc.category_id