

Rockbuster Stealth LLC

Data Dictionary

Data Storage & Structure



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Fact Tables

Payment

Columns	Data Type	Description
payment_id	SERIAL	Primary Key. Unique identifier for transactions.
customer_id	SMALLINT	Foreign Key.Identification code for customers.

staff_id	SMALLINT	Foreign Key. Identification code for employees.
rental_id	INTEGER	Foreign Key. Identifier for rental transactions.
amount	NUMERIC(5,2)	Price of rental.
payment_id	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment transaction.

Rental

Columns	Data Type	Description
rental_id	Serial	Primary Key. Identifier for rental transactions.
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental transaction.
inventory_id	INTEGER	Foreign Key. Identifier for inventory items.
customer_id	SMALLINT	Foreign Key. Identification code for customers.
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental return.
staff_id	SMALLINT	Foreign Key. Identification code for employees.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Dimension Tables

Store

Columns	Data Type	Description
store_id	SERIAL	Primary Key. Identifier for a store
manager_staff_id	SMALLINT	Foreign Key. Identifier for the manager.
address_id	SMALLINT	Foreign Key. Identifier for address of store.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

film_actor

Columns	Data Type	Description
actor_id	SMALLINT	Primary and Foreign Key. Identifier for actor
film_id	SMALLINT	Primary and Foreign Key. Identifier for film.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Inventory

Columns	Data Type	Description
inventory_id	SERIAL	Primary Key. Identifier for inventory items.
film_id	SMALLINT	Foreign Key. Identifier for films.
store_id	SMALLINT	Identifier for store.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

film_catagory

Columns	Data Type	Description
film_id	SMALLINT	Primary and Foreign Key. Identifier for films.
category_id	SMALLINT	Primary and Foreign Key. Identifier for film category.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Customer

Columns	Data Type	Description
customer_id	SERIAL	Primary Key. Identifier for customer.
store_id	SMALLINT	Identifier for store.
first_name	CHARACTER VARYING(45)	First name of customer.
last_name	CHARACTER VARYING(45)	Last name of customer.
email	CHARACTER VARYING(50)	email address of customer.
address_id	SMALLINT	Foreign Key. Identifier for customer's mailing address.
activebool	BOOLEAN	True or false statement based on if account is active.
create_date	DATE	Date of creation of customer account.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

active	INTEGER	Integer indicating whether account is active or not.
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Staff

Columns	Data Type	Description
staff_id	INTEGER	Primary Key. Identifier for Staff.
first_name	CHARACTER VARYING(45)	First name of staff member.
last_name	CHARACTER VARYING(45)	Last name of staff member.
address_id	SMALLINT	Foreign Key. Address of staff member.
email	CHARACTER VARYING(50)	Email address of staff member.
store_id	SMALLINT	Identifier for employee store.
active	BOOLEAN	True or false statement based on if employment is active.
username	CHARACTER VARYING(16)	Employee username.
password	CHARACTER VARYING(40)	Employee password.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.
picture	BYTEA	Picture of employee.

Actor

Columns	Data Type	Description
actor_id	SERIAL	Primary Key. Identifier for actor.
first_name	CHARACTER VARYING(45)	First name of actor.
last_name	CHARACTER VARYING(45)	Last name of actor.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Film

Columns	Data Type	Description
film_id	SERIAL	Primary Key. Identifier for films.
title	CHARACTER VARYING(255)	Title of film.
description	TEXT	Description of film.
release_year	YEAR	Year film was released.
language_id	SMALLINT	Foreign Key. Identifier for language of film.
rental_duration	SMALLINT	Duration that film was rented.
rental_rate	NUMERIC(4,2)	Price of rental, possibly per day.
length	SMALLINT	Duration of the film.
replacement_cost	NUMERIC(5,2)	Price to replace film.

rating	MPAA_RATING	Age rating system.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.
special_features	TEXT[]	Extra videos related to the film.
fulltext	TSVECTOR	Keywords associated with movie for easy search.

Category

Columns	Data Type	Description
category_id	SERIAL	Primary Key. Identifier for category.
name	CHARACTER VARYING(25)	Name of category.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Address

Columns	Data Type	Description
address_id	SERIAL	Primary Key. Identifier for address.
address	CHARACTER VARYING(50)	Address used in database.
address2	CHARACTER VARYING(50)	Secondary address if applicable.
district	CHARACTER VARYING(20)	District or region.
city_id	SMALLINT	Foreign Key. Identifier for city.
postal_code	CHARACTER VARYING(10)	Code associated with postal area.
phone	CHARACTER VARYING(20)	Phone number associated with address.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Language

Columns	Data Type	Description
language_id	SERIAL	Primary Key. Identifier for language.
name	CHARACTER(20)	Name of language.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

City

Columns	Data Type	Description
city_id	SERIAL	Primary Key. Identifier for city.
city	CHARACTER VARYING(50)	Name of city.
country_id	SMALLINT	Foreign Key. Identifier for country.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.

Country

Columns	Data Type	Description
country_id	SERIAL	Primary Key. Identifier for country.
country	CHARACTER VARYING(50)	Name of country.
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the most recent update.