

RockBuster

Data Dictionary

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Table of Contents	Page
Legends.....	3
ERD.....	4
Tables.....	5
Payment.....	5
Rental.....	5
Customer.....	6
Staff.....	7
Store.....	7
Address.....	8
City.....	8
Country.....	9
Film.....	9
Film_actor.....	10
Actor.....	10
Film_category.....	10
Category.....	11
Inventory.....	11
Language.....	12

Legends

PK	Primary Key
FK	Foreign Key
CK	Composite Key

4



Tables

Payment

	Column	Data Type	Description
PK	payment_id	SERIAL	Primary key for payment table, payment identification information
FK	customer_id	SMALLINT	Foreign key, customer identification number, detailed break down in dimension table "customer"
FK	staff_id	SMALLINT	Foreign key, staff identification number, detailed break down in dimension table "staff"
FK	rental_id	INTEGER	Foreign key, rental identification number, detailed break down in dimension table "rental"
	amount	NUMERIC(52)	Payment amount in Numeric
	payment_date	TIMESTAMP(6)WITHOUT TIME ZONE	Payment date & time , when the payment is made

Links to

Table	Join	Description
customer	payment.customer_id=customer.customer_id	Foreign Key Constraint referencing customer.customer_id
staff	payment.staff_id=staff.staff_id	Foreign Key Constraint referencing staff.staff_id
rental	payment.rental_id=rental.rental_id	Foreign Key Constrains referencing rental.rental_id

Rental

	Column	Data Type	Description
PK	rental_id	SERIAL	Primary Key for rental table, rental identification information
	rental_date	TIMESTAMP(6)WITHOUT TIME ZONE	Rental date , when the rental was made
FK	Inventory_id	INTEGER	Foreign key, inventory identification number, detailed break down in dimension table "Inventory"
FK	customer_id	SMALLINT	Foreign key, customer identification number, detailed break down in dimension table "customer"
	return_date	TIMESTAMP(6)WITHOUT TIME ZONE	Return date, when the return is made
FK	staff_id	SMALLINT	Foreign key, staff identification number, detailed break down in dimension table "staff"
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time when table was last updated

Links to

Table	Join	Description
Inventory_id	rental.inventory_id=inventory.inventory_id	Foreign Key Constraint referencing inventory.inventory_id
customer_id	rental.customer_id=customer.customer_id	Foreign Key Constraint referencing customer.customer_id
staff_id	rental.staff_id=staff.staff_id	Foreign Key Constraint referencing staff.staff_id

Links from

Table	Join	Description
Payment	payment.rental_id=rental.rental_id	Foreign Key Constraint referencing rental.rental_id in payment table

Customer

	Column	Data Type	Description
PK	customer_id	SERIAL	Primary key for the customer table, customer identification information
	store_id	SMALLINT	store identification number where the rental transaction took place
	first_name	CHARACTER VARYING (45)	customer first name
	last_name	CHARACTER VARYING (45)	customer last name
	email	CHARACTER VARYING (50)	customer email id
FK	address_id	SMALLINT	Foreign Key, Address identification number, detailed break down in dimension table "address"
	activebool	BOOLEAN	True/False
	create_date	DATE	date when the customer record was created
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time when the customer record was last updated
	active	INTEGER	1 or 0 showing if the customer status is active or not

Links to

Table	Join	Description
address_id	customer.address_id=address.address_id	Foreign Key Constraint referencing address.address_id

Links from

Table	Join	Description
rental	rental.customer_id=customer.customer_id	Foreign Key Constrain referencing customer.customer_id in rental table
payment	payment.customer_id=customer.customer_id	Foreign Key Constrain referencing customer.customer_id in payment table

Staff

	Column	Data Type	Description
PK	staff_id	SERIAL	Primary key for Staff table, Staff Identification information
	first_name	CHARACTER VARYING (45)	staff first name
	last_name	CHARACTER VARYING (45)	staff last name
FK	address_id	SMALLINT	Foreign Key, Address identification number, detailed break down in dimension table "address"
	email	CHARACTER VARYING (50)	staff email id
	store_id	SMALLINT	store identification number where staff works
	active	BOOLEAN	true/false
	username	CHARACTER VARYING (16)	username of staff member
	password	CHARACTER VARYING (40)	password of staff member
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time when the staff member record was last updated
	picture	BYTEA	picture of staff member, values are NULL or binary data , because picture cannot be uploaded in table

Links to

Table	Join	Description
address_id	staff.address_id=address.address_id	Foreign Key Constraint referencing address.address_id

Links from

Table	Join	Description
rental	rental.staff_id=staff.staff_id	Foreign Key Constrain referencing staff.staff_id in rental table
payment	payment.staff_id=staff.staff_id	Foreign Key Constrain referencing staff.staff_id in payment table
store	store.manager_staff_id=staff.staff_id	Foreign Key Constrain referencing staff.staff_id in store table

Store

	Column	Data Type	Description
PK	store_id	SERIAL	Primary Key for dimension table Store, Store identification information
FK	manager_staff_id	SMALLINT	Foreign key, Store Manager's Identification number , detailed breakdown in "Staff" table
FK	address_id	SMALLINT	Foreign key, Store's address identification number , detailed breakdown in "address" table
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time when the Store record was last updated

Links to

Table	Join	Description
staff	store.manager_staff_id=staff.staff_id	Foreign Key Constraint referencing staff.staff_id
address	store.address_id=address.address_id	Foreign Key Constraint referencing address.address_id

Address

	Column	Data Type	Description
PK	address_id	SERIAL	Primary Key, Address identification information
	address	CHARACTER VARYING (50)	Address Line 1
	address2	CHARACTER VARYING (50)	Address Line 2
	district	CHARACTER VARYING (20)	District name information
FK	city_id	SMALLINT	Foreign key, City identification number, detailed breakdown in sub dimension table " City"
	postal_code	CHARACTER VARYING (10)	Address Postal Code
	phone	CHARACTER VARYING (20)	Individual Phone contact details
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time when the address record of individual was last updated

Links to

Table	Join	Description
city_id	address.city_id=city.city_id	Foreign Key Constraint referencing city.city_id

Links from

Table	Join	Description
customer	customer.address_id=address.address_id	Foreign Key Constrain referencing address.address_id in customer table
staff	staff.address_id=address.address_id	Foreign Key Constrain referencing address.address_id in staff table
store	store.address_id=address.address_id	Foreign Key Constrain referencing address.address_id in store table

City

	Column	Data Type	Description
PK	city_id	SERIAL	Primary Key, City identification infromation
	city	CHARACTER VARYING (50)	Name of the City
FK	country_id	SMALLINT	Foreign key, Country identification number for a particular city, detailed break down in subdimension table " Country"
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time when the city record was last updated

Links to

Table	Join	Description
country_id	city.country_id=country.country_id	Foreign Key Constraint referencing country.country_id

Links from

Table	Join	Description
address	address.city_id=city.city_id	Foreign Key Constrains referencing city.city_id in address table

Country

	Column	Data Type	Description
PK	country_id	SERIAL	Primary Key, Country Identification information
	country	CHARACTER VARYING (50)	Country name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time when the country record was last updated

Links from

Table	Join	Description
city	city.country_id=country.country_id	Foreign Key Constrains referencing country.country_id in city table

Film

	Column	Data Type	Description
PK	film_id	SERIAL	Primary Key, film identification information
	title	CHARACTER VARYING (255)	Title of the film
	description	TEXT	Description of the film
	release_year	year	Release year of the film
FK	language_id	SMALLINT	Foreign Key , language identification number
	rental_duration	SMALLINT	Time duration of film rented for
	rental_rate	NUMERIC(4,2)	Rate of the rental given to the customer
	length	SMALLINT	Total length duration of movie in minutes
	replacement_cost	NUMERIC(5,2)	Replacement cost given to customer if movie needed replacement
	rating	mpaa_rating	Film rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time when the film record was last updated
	special_features	TEXT	special feature added with film like trailer, deleted scenes etc
	fulltext	TSVECTOR	additional film information

Links to

Table	Join	Description
language_id	film.language_id=language_id.language_id	Foreign Key Constraint referencing language.language_id

Links from

Table	Join	Description
inventory	inventory.film_id=film.film_id	Foreign Key Constrain referencing film.film_id in inventory table
film_actor	film_Actor.film_id=film.film_id	Foreign Key Constrain referencing film.film_id in film_actor table
film_category	film_category.film_id=film.film_id	Foreign Key Constrain referencing film.film_id in film_category table

film_actor

	Column	Data Type	Description
CK	actor_id	SMALLINT	Composite Key, actor identification number, detailed breakdown in dimensional table "actor"
CK	film_id	SMALLINT	Composite Key, film identification number, detailed breakdown in dimensional table "film"
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time particular film_actor record last updated

Links to

Table	Join	Description
actor	film_actor.actor_id=actor.actor_id	Foreign Key Constraint referencing actor.actor_id
film	film_actor.film_id=film.film_id	Foreign Key Constraint referencing film.film_id

actor

	Column	Data Type	Description
PK	actor_id	SERIAL	Primary Key, Actor identification information
	first_name	CHARACTER VARYING (45)	Actor first name
	last_name	CHARACTER VARYING (45)	Actor last name
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time particular actor details last updated

Links from

Table	Join	Description
film_actor	film_actor.actor_id=actor.actor_id	Foreign Key Constrain referencing actor.actor_id in film_actor table

film_category

	Column	Data Type	Description
CK	film_id	SMALLINT	Composite Key, Film identification number
CK	category_id	SMALLINT	Composite key, film category identification information
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time film category record last updated

Links to

Table	Join	Description
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film	film_category.film_id=film.film_id	Foreign Key Constraint referencing film.film_id
category	film_category.category_id=category.category_id	Foreign Key Constraint referencing category.category_id

category

	Column	Data Type	Description
PK	category_id	SERIAL	Primary Key, Film category identification information
	name	CHARACTER VARYING(25)	Name of film category
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time category name record last updated

Links from

Table	Join	Description
film_category	film_category.category_id=category.category_id	Foreign Key Constrain referencing category.category_id in film_category table

inventory

	Column	Data Type	Description
PK	inventory_id	SERIAL	Primary Key, Inventory identification information
FK	film_id	SMALLINT	Foreign Key, film identification number, detailed breakdown in dimension table "film"
	store_id	SMALLINT	Store identification number, detailed breakdown in dimension table "store"
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time inventory record last updated

Links to

Table	Join	Description
film	inventory.film_id=film.film_id	Foreign Key Constraint referencing film.film_id

Links from

Table	Join	Description
rental	rental_inventory_id=inventory.inventory_id	Foreign Key Constrain referencing inventory.inventory_id in rental table

Language

	Column	Data Type	Description
PK	language_id	SERIAL	Primary key, language identification information
	name	CHARACTER(20)	name of language
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	date and time language record last updated

Links from

Table	Join	Description
film	film.language_id=language.language_id	Foreign Key Constrain referencing language.language_id in film table