

Rockbuster Stealth LLC

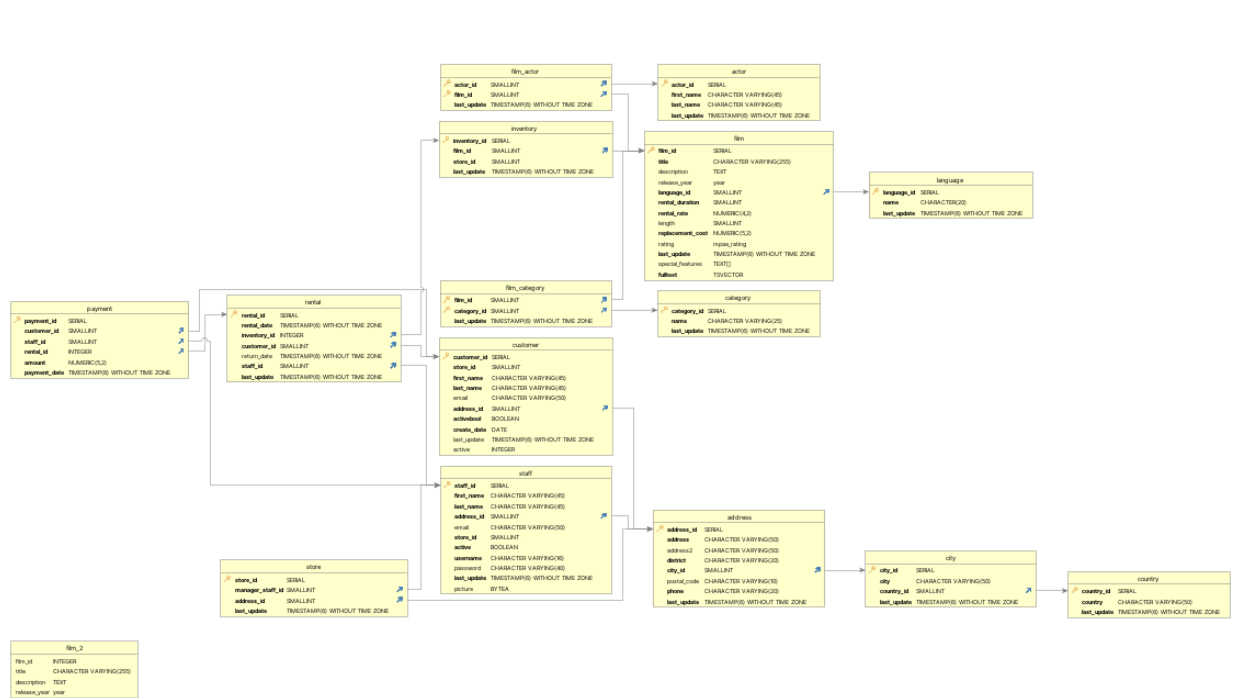
Data Dictionary



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1. Entity relationship diagram



2. FACT tables

2.1 payment		
Columns	Data type	Description
payment id	SERIAL	Unique id for payment
customer id	SMALLINT	Unique id for customer
staff_id	SMALLINT	Unique id for staff
rental_id	INTEGER	Unique id for rental
amount	NUMERIC(5,2)	Payment amount
payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment

Links from:

Table	Join
N/A	N/A

Links to:

Table	Join
rental	Payment.rental_id = rental.rental_id
customer	Payment.customer_id = customer.customer_id
staff	Payment.staff_id = staff.staff_id

Unique keys:

Columns	Key
payment_id	Primary key
customer_id	Foreign key
staff_id	Foreign key
rental_id	Foreign key

2.2 rental		
Columns	Data type	Description
rental id	SERIAL	Unique id for rental

rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental
inventory_id	INTEGER	Unique id for inventory
customer_id	SMALLINT	Unique id for customer
return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of return
staff_id	SMALLINT	Unique id for staff
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
N/A	N/A

Links to:

Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

Unique keys:

Columns	Key
rental_id	Primary key
customer_id	Foreign key
staff_id	Foreign key
inventory_id	Foreign key

3. Dimension Tables

3.1 store		
Columns	Data type	Description
store_id	SERIAL	Unique id for store
manager_staff_id	SMALLINT	Unique id for manager
address_id	SMALLINT	Unique id for address
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
N/A	N/A

Links to:

Table	Join
staff	store.manager_staff_id = staff.staff_id
address	store.address_id = address.address_id

Unique keys:

Columns	Key
store_id	Primary key
address_id	Foreign key
manager_staff_id	Foreign key

3.2 film_actor		
Columns	Data type	Description
actor_id	SMALLINT	Unique id for actor
film_id	SMALLINT	Unique id for film
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
N/A	N/A

Links to:

Table	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

Unique keys:

Columns	Key
actor_id	Primary key/Foreign Key
film_id	Primary key/Foreign key

3.3 inventory		
Columns	Data type	Description
inventory_id	SERIAL	Unique id for inventory
film_id	SMALLINT	Unique id for film
store_id	SMALLINT	Unique id for store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
rental	rental.inventory_id = inventory.inventory_id

Links to:

Table	Join
film	inventory.film_id = film.film_id

Unique keys:

Columns	Key
inventory_id	Primary key
film_id	Foreign key

3.4 film_category		
Columns	Data type	Description

film_id	SMALLINT	Unique id for film
category_id	SMALLINT	Unique id for category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
N/A	N/A

Links to:

Table	Join
film	film_category.film_id = film.film_id
category	film_category.category_id = category.category_id

Unique keys:

Columns	Key
film_id	Primary key/Foreign key
category_id	Primary key/Foreign key

3.5 customer		
Columns	Data type	Description
customer_id	SERIAL	Unique id for customer
store_id	SMALLINT	Unique id for store
first_name	CHARACTER VARYING(45)	customer first name
last_name	CHARACTER VARYING(45)	customer last name
email	CHARACTER VARYING(50)	customer email
address_id	SMALLINT	Unique id for address
activebool	BOOLEAN	active status of account
create_date	DATE	customer id creation date
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update
active	Integer	active status

Links from:

Table	Join
rental	rental.customer_id = customer.customer_id

payment	payment.customer_id = customer.customer_id
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Links to:

Table	Join
address	customer.address_id = address.address_id

Unique keys:

Columns	Key
customer_id	Primary key
address_id	Foreign key

3.6 staff		
Columns	Data type	Description
staff_id	SERIAL	Unique id for staff
first_name	CHARACTER VARYING(45)	staff first name
last_name	CHARACTER VARYING(45)	staff last name
address_id	SMALLINT	unique id for address
email	CHARACTER VARYING(50)	staff email
store_id	SMALLINT	Unique id for address
active	BOOLEAN	active status of account
username	CHARACTER VARYING(16)	staff username
password	CHARACTER VARYING(40)	staff password
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update
picture	BYTEA	picture of staff member

Links from:

Table	Join
payment	payment.staff_id = staff.staff_id
store	store.store_id = staff.store_id

Links to:

Table	Join
address	staff.address_id = address.address_id

Unique keys:

Columns	Key
staff_id	Primary key
address_id	Foreign key

3.7 actor		
Columns	Data type	Description
actor_id	SERIAL	Unique id for actor
first_name	CHARACTER VARYING(45)	actor first name
last_name	CHARACTER VARYING(45)	actor last name
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

Links to:

Table	Join
N/A	N/A

Unique keys:

Columns	Key
actor_id	Primary key

3.8 film		
Columns	Data type	Description
film_id	SERIAL	Unique id for film
title	CHARACTER VARYING(225)	film title
description	TEXT	film description
release_year	YEAR	release year of film
language_id	SMALLINT	unique id for language
rental_duration	SMALLINT	duration of rental
rental_rate	NUMERICS(4, 2)	cost of rental
length	SMALLINT	length of film
replacement_cost	NUMERICS(5, 2)	Time of last update
rating	mpaa_rating	rating of film
last update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update
special_features	TEXT[]	special features of film
fulltext	TSVECTOR	index of film

Links from:

Table	Join
film_actor	film_actor.film_id = film.film_id
inventory	inventory.film_id = film.film_id
film_category	film_category.film_id = film.film_id

Links to:

Table	Join
language	film.language_id = language.language_id

Unique keys:

Columns	Key
film_id	Primary key
language_id	Foreign key

3.9 category

Columns	Data type	Description
category_id	SERIAL	Unique id for category
name	CHARACTER VARYING (25)	name of category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
film_category	film_category.category_id = category.category_id

Links to:

Table	Join
N/A	N/A

Unique keys:

Columns	Key
category_id	Primary key

3.10 address		
Columns	Data type	Description
address_id	SERIAL	Unique id for address
address	CHARACTER VARYING (50)	address line 1
address 2	CHARACTER VARYING (50)	address line 2
district	CHARACTER VARYING (20)	district
city_id	SMALLINT	unique id for city
postal_code	CHARACTER VARYING (10)	postal code of address
phone	CHARACTER VARYING (20)	phone number
last update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
customer	customer.address_id = address.address_id
staff	staff.address_id = address.address_id

store	store.address_id = address.address_id
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Links to:

Table	Join
city	address.city_id = city.city_id

Unique keys:

Columns	Key
address_id	Primary key
city_id	Foreign key

3.11 language		
Columns	Data type	Description
language_id	SERIAL	Unique id for language
name	CHARACTER VARYING (20)	name of language
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
film	film.language_id = language.language_id

Links to:

Table	Join
N/A	N/A

Unique keys:

Columns	Key
language_id	Primary key

3.12 city		
Columns	Data type	Description
city_id	SERIAL	Unique id for city
city	CHARACTER VARYING (50)	name of city
country_id	SMALLINT	unique id for country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
address	address.city_id = city.city_id

Links to:

Table	Join
country	city.country_id = country.country_id

Unique keys:

Columns	Key
city_id	Primary key
country_id	Foreign key

3.13 country		
Columns	Data type	Description
country_id	SERIAL	Unique id for country
country	CHARACTER VARYING (50)	name of country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Time of last update

Links from:

Table	Join
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city	city.country_id = country.country_id
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Links to:

Table	Join
N/A	N/A

Unique keys:

Columns	Key
country_id	Primary key