

Rockbuster Stealth LLC

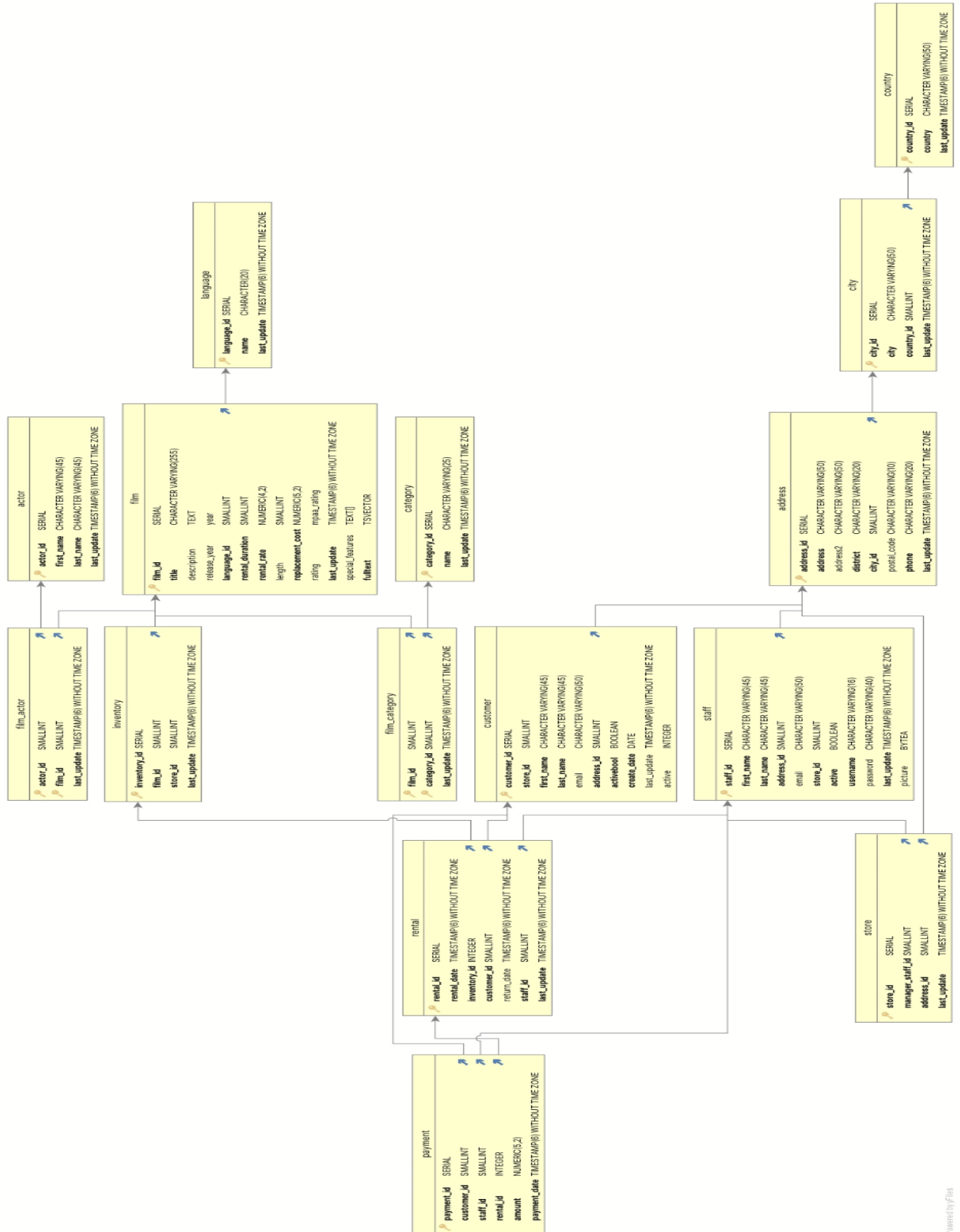


Data Dictionary

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Entity Relationship Diagram



FACT TABLES

TABLE: payment

Column	Data Type	Description
payment_id	SERIAL	Unique payment identifier
customer_id	SMALLINT	Unique customer identifier
staff_id	SMALLINT	Unique staff member identifier
rental_id	INTEGER	Unique rental identifier
amount	NUMERIC(5,2)	Rental price
payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of payment

LINKS TO

Table	Join	Description
customer	payment.customer_id = customer.customer_id	Foreign key reference to customer table
rental	payment.rental_id = rental.rental_id	Foreign key reference to rental table
staff	payment.staff_id = staff.staff_id	Foreign key reference to staff table

LINKED FROM

Table	Join	Description
N/A	N/A	N/A

KEYS

Column	Key Type	Description
payment_id	Primary Key	Unique ID for each payment
customer_id	Foreign Key	Primary key in customer table
rental_id	Foreign Key	Primary key in rental table
staff_id	Foreign Key	Primary key in staff table

TABLE: rental

Column	Data Type	Description
rental_id	SERIAL	Unique rental identifier
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Rental date
inventory_id	INTEGER	Unique inventory identifier
customer_id	SMALLINT	Unique customer identifier
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Rental return date
staff_id	SMALLINT	Staff member id
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time record was updated

LINKS TO

Table	Join	Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key reference to inventory table
customer	rental.customer_id = customer.customer_id	Foreign key reference to customer table
staff	rental.staff_id = staff.staff_id	Foreign key reference to staff table

LINKED FROM

Table	Join	Description
payment	payment.rental_id = rental.rental_id	Primary key reference to payment table

KEYS

Column	Key Type	Description
rental_id	Primary Key	Unique ID for each rental
inventory_id	Foreign Key	Primary key in inventory table
customer_id	Foreign Key	Primary key in customer table
staff_id	Foreign Key	Primary key in staff table

DIMENSION TABLES

TABLE: actor

Column	Data Type	Description
actor_id	SERIAL	Unique identifier for each actor
first_name	CHARACTER VARYING(45)	Actor's first name
last_name	CHARACTER VARYING(45)	Actor's last name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
N/A	N/A	N/A

LINKED FROM

Table	Join	Description
film_actor	actor.actor_id = film_actor.actor_id	Primary key reference to film_actor table

KEYS

Column	Key Type	Description
actor_id	Primary Key	Unique ID for each actor

TABLE: address

Table	Data Type	Description
address_id	SERIAL	Unique identifier for each address
address	CHARACTER VARYING(50)	Address info
address2	CHARACTER VARYING(50)	Address info
district	CHARACTER VARYING(20)	Address district
city_id	CHARACTER VARYING	Unique identifier for each city
postal_code	CHARACTER VARYING(10)	Postal code associated with the address
phone	CHARACTER VARYING(20)	Phone # associated with the address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
city	address.city_id = city.city_id	Foreign key reference to city table

LINKED FROM

Table	Join	Description
store	store.address_id = address.address_id	Primary key reference to store table
staff	staff.address_id = address.address_id	Primary key reference to staff table
customer	customer.address_id = address.address_id	Primary key reference to customer table

KEYS

Column	Key Type	Description
address_id	Primary Key	Unique ID for each address
store_id	Foreign Key	Unique ID for each store
staff_id	Foreign Key	Unique ID for each staff member
customer_id	Foreign Key	Unique ID for each customer

TABLE: category

Table	Data Type	Description
category_id	SERIAL	Unique identifiers for film categories
name	CHARACTER VARYING(25)	Names of films
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
N/A	N/A	N/A

LINKED FROM

Table	Join	Description
film_category	category_id.film_category = category.category_id	Primary key reference to film_category table

KEYS

Column	Key Type	Description
category_id	Primary Key	Unique ID for each category

TABLE: city

Table	Data Type	Description
city_id	SERIAL	Unique identifier for cities
city	CHARACTER VARYING(50)	Actual name of city spelled out
country_id	SMALLINT	Unique identifiers for each country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
country	city.country_id = country.country_id	Foreign key reference to country table

LINKED FROM

Table	Join	Description
address	city.city_id = address.city_id	Primary key reference to address table

KEYS

Column	Key Type	Description
city_id	Primary Key	Unique ID for each city
country_id	Foreign Key	Unique ID for each country

TABLE: country

Table	Data Type	Description
country_ud	SERIAL	Unique identifiers for each country
country	CHARACTER VARYING(50)	Names of countries spelled out
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
N/A	N/A	N/A

LINKED FROM

Table	Join	Description
city	country.country_id = city.country_id	Primary key reference to city table

KEYS

Column	Key Type	Description
country_id	Primary Key	Unique ID for each country

TABLE: customer

Table	Data Type	Description
customer_id	SERIAL	Unique identifier for each customer
store_id	SMALLINT	Unique identifier for each 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	Unique identifier for each address
activebool	BOOLEAN	Indicates whether or not the customer is active
create_date	DATE	Date that the record was created
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated
active	INTEGER	Number 1 or 0 indicating whether or not the customer is active

LINKS TO

Table	Join	Description
address	customer.address_id = address.address_id	Foreign key reference to address table

LINKED FROM

Table	Join	Description
payment	customer.customer_id = payment.customer_id	Primary key reference to payment table
rental	customer.customer_id = rental.customer_id	Primary key reference to rental table

KEYS

Column	Key Type	Description
customer_id	Primary Key	Unique ID for each customer

TABLE: film

Table	Data Type	Description
film_id	SERIAL	Unique identifier for each film
title	CHARACTER VARYING(255)	Title of each film
description	TEXT	Description of each film
release_year	year	Year film was released
language_id	SMALLINT	Numeric indicator of film language
rental_duration	SMALLINT	Rental duration
rental_rate	NUMERIC(4,2)	Rental frequency
length	SMALLINT	Film length
replacement_cost	NUMERIC(5,2)	Film replacement cost
rating	mpaa_rating	MPAA rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated
special_features	TEXT[]	Special features included in the film
fulltext	TSVECTOR	Film index - contains count of keywords in description

LINKS TO

Table	Join	Description
language	film.language_id = language.language_id	Foreign key reference to language table

LINKED FROM

Table	Join	Description
film_category	film.film_id = film_category.film_id	Primary key reference to film_category table
inventory	film.film_id = inventory.film_id	Primary key reference to inventory table
film_actor	film.film_id = film_actor.film_id	Primary key reference to film_actor table

KEYS

Column	Key Type	Description
film_id	Primary Key	Unique ID for each film

TABLE: film_actor

Title	Data Type	Description
actor_id	SMALLINT	Unique identifier for each actor
film_id	SMALLINT	Unique identifier for each film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
actor	film_actor.actor_id = actor.actor_id	Primary key reference to actor table
film	film_actor.film_id = film.film_id	Primary key reference to film table

LINKED FROM

Table	Join	Description
N/A	N/A	N/A

KEYS

Column	Key Type	Description
actor_id	Primary Key	Unique ID for each actor
film_id	Primary Key	Unique ID for each film

TABLE: film_category

Title	Data Type	Description
film_id	SMALLINT	Unique film identifier
category_id	SMALLINT	Unique film category identifier
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
film	film_category.film_id = film.film_id	Primary key reference to film table
category	film_category.category_id = category.category_id	Primary key reference to category table

LINKED FROM

Table	Join	Description
N/A	N/A	N/A

KEYS

Column	Key Type	Description
film_id	Primary Key	Unique ID for each film
category_id	Primary Key	Unique ID for each film category

TABLE: inventory

Table	Data Type	Description
inventory_id	SERIAL	Unique inventory identifier
film_id	SMALLINT	Unique film identifier
store_id	SMALLINT	Unique store identifier
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time the record was updated

LINKS TO

Table	Join	Description
film	inventory.film_id = film.film_id	Foreign key reference to film table

LINKED FROM

Table	Join	Description
rental	inventory.inventory_id = rental.inventory_id	Primary key reference to rental table

KEYS

Column	Key Type	Description
inventory_id	Primary Key	Unique ID for each item in inventory
film_id	Foreign Key	Unique ID for each film

TABLE: language

Table	Data Type	Description
language_id	SERIAL	Unique language identifier
name	CHARACTER(20)	Language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time record was updated

LINKS TO

Table	Join	Description
N/A	N/A	N/A

LINKED FROM

Table	Join	Description
film	language.language_id = film.language_id	Primary key reference to film table

KEYS

Column	Key Type	Description
language_id	Primary Key	Unique ID for each language

TABLE: staff

Table	Data Type	Description
staff_id	SERIAL	Unique staff member identifier
first_name	CHARACTER VARYING(45)	Staff member's first name
last_name	CHARACTER VARYING(45)	Staff member's last name
address_id	SMALLINT	Unique store address identifier
email	CHARACTER VARYING(50)	Staff member email address
store_id	SMALLINT	Unique store identifier
active	BOOLEAN	Indicates whether or not staff member is active
username	CHARACTER VARYING(16)	Staff member username
password	CHARACTER VARYING(40)	Staff member password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time record was updated
picture	BYTEA	Staff member picture

LINKS TO

Table	Join	Description
address	staff.address_id = address.address_id	Foreign key reference to address table

LINKED FROM

Table	Join	Description
payment	staff.staff_id = payment.staff_id	Primary key reference to payment table
rental	staff.staff_id = rental.staff_id	Primary key reference to rental table
store	staff.store_id = store.store_id	Foreign key reference to store table

KEYS

Column	Key Type	Description
staff_id	Primary key	Unique ID for each staff member
store_id	Foreign key	Unique ID for each store
address_id	Foreign key	Unique ID for each staff member address

TABLE: store

Title	Data Type	Description
store_id	SERIAL	Unique store identifier
manager_staff_id	SMALLINT	Unique staff manager identifier
address_id	SMALLINT	Unique store identifier
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last time record was updated

LINKS TO

Table	Join	Description
staff	store.store_id = staff.store_id	Primary key reference to staff table
address	store.address_id = address.address_id	Foreign key reference to address table

LINKED FROM

Table	Join	Description
N/A	N/A	N/A

KEYS

Column	Key Type	Description
store_id	Primary Key	Unique ID for each store
address_id	Foreign Key	Unique ID for each address