Rockbuster Stealth LLC

DATA DICTIONARY
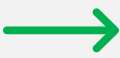
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Contents

1. Legend

🔑	Primary Key
🔑	Foreign Key
→	Links To
→	Links From

2. Entity Relationship Diagram (ERD)

film_actor

🔑	actor_id	SMALLINT	↗
🔑	film_id	SMALLINT	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

actor

🔑	actor_id	SERIAL
	first_name	CHARACTER VARYING(45)
	last_name	CHARACTER VARYING(45)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

rental

🔑	rental_id	SERIAL	
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	
	inventory_id	INTEGER	↗
	customer_id	SMALLINT	↗
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	
	staff_id	SMALLINT	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

inventory

🔑	inventory_id	SERIAL	
	film_id	SMALLINT	
	store_id	SMALLINT	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	↗

film

🔑	film_id	SERIAL	
	title	CHARACTER VARYING(255)	
	description	TEXT	
	release_year	year	
	language_id	SMALLINT	↗
	rental_duration	SMALLINT	
	rental_rate	NUMERIC(4,2)	
	length	SMALLINT	
	replacement_cost	NUMERIC(5,2)	
	rating	mpaa_rating	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	
	special_features	TEXT[]	
	fulltext	TSVECTOR	
	film_imdb	INTEGER	

film_category

🔑	film_id	SMALLINT	↗
🔑	category_id	SMALLINT	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

category

🔑	category_id	SERIAL
	name	CHARACTER VARYING(25)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

language

🔑	language_id	SERIAL
	name	CHARACTER(20)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment

🔑	payment_id	SERIAL	
	customer_id	SMALLINT	↗
	staff_id	SMALLINT	↗
	rental_id	INTEGER	↗
	amount	NUMERIC(5,2)	
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	

customer

🔑	customer_id	SERIAL	
	store_id	SMALLINT	
	first_name	CHARACTER VARYING(45)	
	last_name	CHARACTER VARYING(45)	
	email	CHARACTER VARYING(50)	
	address_id	SMALLINT	↗
	activebool	BOOLEAN	
	create_date	DATE	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	
	active	INTEGER	

address

🔑	address_id	SERIAL	
	address	CHARACTER VARYING(50)	
	address2	CHARACTER VARYING(50)	
	district	CHARACTER VARYING(20)	
	city_id	SMALLINT	↗
	postal_code	CHARACTER VARYING(10)	
	phone	CHARACTER VARYING(20)	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

staff

🔑	staff_id	SERIAL	
	first_name	CHARACTER VARYING(45)	
	last_name	CHARACTER VARYING(45)	
	address_id	SMALLINT	↗
	email	CHARACTER VARYING(50)	
	store_id	SMALLINT	
	active	BOOLEAN	
	username	CHARACTER VARYING(16)	
	password	CHARACTER VARYING(40)	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	
	picture	BYTEA	

city

🔑	city_id	SERIAL	
	city	CHARACTER VARYING(50)	
	country_id	SMALLINT	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

store

🔑	store_id	SERIAL	
	manager_staff_id	SMALLINT	↗
	address_id	SMALLINT	↗
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

country

🔑	country_id	SERIAL
	country	CHARACTER VARYING(50)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE

3. Tables

3.1 Actor

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	actor_id	SERIAL	Identification no. of 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	Day and time of most recent update to the table.

Links From Table
⟶ Film_actor

3.2 Address

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	address_id	SERIAL	Identification no. of address.
	address	CHARACTER VARYING(50)	Street address
	address2	CHARACTER VARYING(50)	Additional line for street address
	district	CHARACTER VARYING(20)	Area of address (state, prefecture, region, etc.)
🔑	city_id	SMALLINT	Identification no. of city.
	postal_code	CHARACTER VARYING(10)	Zipcode, etc.
	phone	CHARACTER VARYING(20)	Phone number of address.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table
⟶ Customer, Staff, Store

Links To Table
⟶ City

3.3 Category

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	category_id	SERIAL	Identification no. of category.
	name	CHARACTER VARYING(25)	Name of category (comedy, drama, etc.)
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table
⟶ Customer

3.4 City

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	city_id	SERIAL	Identification no. of city.
	city	CHARACTER VARYING(50)	Name of city.
🔑	country_id	SMALLINT	Identification no. of country.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table
⟶ Address

Links To Table
⟶ Country

3.5 Country

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	country_id	SERIAL	Identification no. of country.
	country	CHARACTER VARYING(50)	Name of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table
⟶ City

3.6 Customer

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	customer_id	SERIAL	Identification no. of customer.
	store_id	SMALLINT	Identification no. of store.
	first_name	CHARACTER VARYING(45)	First name of customer.
	last_name	CHARACTER VARYING(45)	Last name of customer.
	email	CHARACTER VARYING(45)	Email of customer.
🔑	address_id	SMALLINT	Identification no. of address of customer.
	activebool	BOOLEAN	Indicator of active/inactive customer by true or false.
	create_date	DATE	Date customer id was created.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.
	active	INTEGER	Indicator of active/inactive customer by 1 or 0.

Links From Table
⟶ Rental, Payment

Links To Table
⟶ Address

3.7 Film

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	film_id	SERIAL	Identification no. of film.
	title	CHARACTER VARYING(225)	Title of the film.
	description	TEXT	Short one sentence description of film.
	release_year	year	Year that the film was released.
🔑	language_id	SMALLINT	Identification no. of language.
	rental_duration	SMALLINT	Days film was rented.
	rental_rate	NUMERIC(4,2)	Dollar amount of cost of rental.
	length	SMALLINT	Time duration of film in minutes.
	replacement_cost	NUMERIC(5,2)	Dollar amount of cost to replace the film.
	rating	Mpaa_rating	G, PG, pG-13, R, NC-17 movie ratings
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.
	special features	TEXT[]	Additional features to film.
	fulltext	TSVECTOR	Textual analysis.

Links From Tables:

⟶ Film_actor, Film_category, inventory

Links To Table:

⟶ Language

3.8 Film_actor

	COLUMNS	DATA TYPE	DESCRIPTION
🔑 (green)	actor_id	SMALLINT	Identification no. of actor.
🔑 (yellow)	film_id	SMALLINT	Identification no. film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table:
⟶ Film

Links To Table:
⟶ Actor

3.9 Film_category

	COLUMNS	DATA TYPE	DESCRIPTION
🔑 (yellow)	film_id	SMALLINT	Identification no. of film.
🔑 (green)	category_id	SMALLINT	Identification no. of category of film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Tables:
⟶ Film, Inventory, Film_actor

Links To Table:
⟶ Category

3.10 Inventory

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	inventory_id	SERIAL	Inventory no. of film.
🔑	film_id	SMALLINT	Identification no. of film.
	store_id	SMALLINT	Identification no. of store.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table:
⟶ Rental
Links To Table:
⟶ Film

3.11 Language

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	language_id	SERIAL	Identification no. of language.
	name	CHARACTER(20)	Name of country.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table:
⟶ Film

3.12 Payment

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	payment_id	SERIAL	Identification no. of payment.
🔑	customer_id	SMALLINT	Identification no. of customer.
🔑	staff_id	SMALL	Identification no. of staff.
🔑	rental_id	INTEGER	Identification no. of rental.
	amount	NUMERIC(5,2)	Dollar amount paid.
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of transaction.

Links From Table:

⟶ *Does not link from another table, this is the fact table.*

Links To Tables:

⟶ Customer
⟶ Staff
⟶ Rental

3.13 Rental

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	rental_id	SERIAL	Identification no. of rental.
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of transaction.
🔑	inventory_id	INTEGER	Inventory no. of item rented.
🔑	customer_id	SMALLINT	Identification no. of customer.
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of rental return.
🔑	staff_id	SMALLINT	Identification no. of staff.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table:
⟶ Payment

Links To Tables:
⟶ Inventory
⟶ Customer
⟶ Staff

3.14 Staff

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	staff_id	SERIAL	Identification no. of staff.
	first_name	CHARACTER VARYING(45)	First name of staff.
	last_name	CHARACTER VARYING(45)	Last name of staff.
🔑	address_id	SMALLINT	Identification no. of address.
	email	CHARACTER VARYING(50)	Email address of staff.
🔑	store_id	SMALLINT	Identification no. of staff's store.
	active	BOOLEAN	Active or inactive.
	username	CHARACTER VARYING(16)	Username of online staff account.
	password	CHARACTER VARYING(40)	Password of online staff account.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.
	picture	BYTEA	Photo of staff member.

Links From Tables:
⟶ Rental, Store, Payment
Links To Tables:
⟶ Address
⟶ Store

3.15 Store

	COLUMNS	DATA TYPE	DESCRIPTION
🔑	store_id	SERIAL	Identification no. of store.
🔑	manager_staff_id	SMALLINT	Identification no. of store manager.
🔑	address_id	SMALLINT	Identification no. of address.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Day and time of most recent update to the table.

Links From Table:
⟶ Customer
Links To
⟶ Staff
⟶ Address