Rockbuster Stealth

(Data dictionary)

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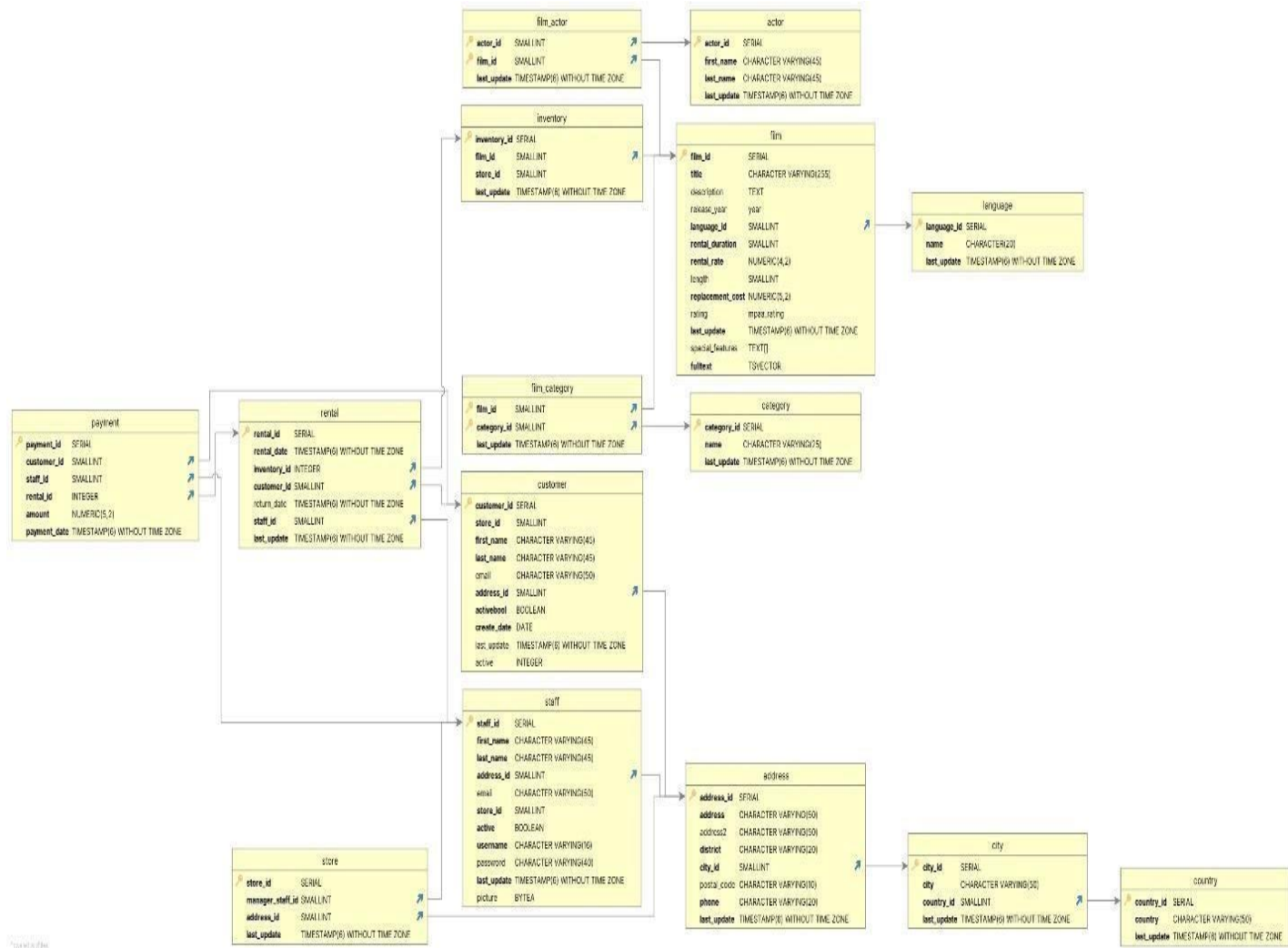
Legend

Primary key 🔑
Foreign key 🔑

1. Rockbuster Stealth

Rockbuster Stealth dataset contains information about the company's movie inventory, customers, and payments, among other things.

Click on the link to download the dataset.

2. Entity Relationship Diagram

3. Tables

3.1. Fact Tables

3.1.1 Payment Table

Key	Column name	Data Type	Description
🔑	payment_id	serial	Unique id for payment records.
🔑	customer_id	smallint	Unique customer id number.
🔑	staff_id	smallint	Unique staff id number.
🔑	rental_id	integer	Unique rental id number.
	amount	numeric(5,2)	Amount of payment received.
	payment_date	timestamp(6) without time zone	Date and time of the payment.

Links to

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

3.1.2 film_actor

Key	Column name	Data type	Description
🔑🔑	actor_id	smallint	Unique actor id.
🔑🔑	film_id	smallint	Unique film id.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

Links to

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

3.1.3 film_category

Key	Column Name	Data type	Description
🔑🔑	film_id	smallint	Unique film id.
🔑🔑	category_id	smallint	Unique category id.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

Links to

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

3.1.4 Store

Key	Column name	Data type	Description
🔑	store_id	serial	Unique store id.
🔑	manager_staff_id	smallint	Unique staff id.

Key		Data Type	Description
🔑	address_id	smallint	Unique address id.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

Links to

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

3.2 Dimension Tables

3.2.1 Rental

Key	Column name	Data Type	Description
🔑	rental_id	serial	Unique id for rental records.
	rental_date	timestamp (6) without time zone	Date and time of rental.
🔑	inventory_id	integer	Unique inventory id.
🔑	customer_id	smallint	Unique customer id.
	return_date	timestamp (6) without time zone	Date and time of rental return.
🔑	staff_id	smallint	Unique staff id.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

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

Linked from

Table	Join
payment	payment.rental_id = rental.rental_id

3.2.2 Inventory

Key	Column name	Data type	Description
🔑	inventory_id	serial	Unique id for inventory records.
🔑	film_id	smallint	Unique film id.
	store_id	smallint	Unique store id.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

Links to

Table	Join
film	inventory.film_id = film.film_id

Linked from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

3.2.3 film

Key	Column name	Data type	Description
🔑	film_id	serial	Unique film id.
	title	character varying (255)	Film title.
	description	text	Film description.
	release_year	year	Film release year.
🔑	language_id	smallint	Unique language id.
	rental_duration	smallint	Rental duration, in days.
	rental_rate	numeric (4,2)	Film rental rate.
	length	smallint	Film duration, in minutes.
	replacement_cost	numeric (5,2)	Cost of film replacement.
	rating	mpaa_rating	Film rating.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.
	special_features	text []	Special features of a film (e.g., trailers, behind the scenes).
	fulltext	tsvector	Film descriptive tags.

Links to

Table	Join
language	film.language_id = language.language_id

Linked 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

3.2.4 language

Key	Column name	Data type	Description
	language_id	serial	Unique language id.
	name	character (20)	Language name.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

Linked from

Table	Join
film	film.language_id = language.language_id

3.2.5 category

Key	Column name	Data type	Description
🔑	category_id	serial	Unique category id.
	name	character varying (25)	Name of a category.

| | last_update | timestamp (6) without time zone | Date and time the record was last updated. |

Linked from

Table	Join
film_category	film_category.category_id = category.category_id

3.2.6 actor

Key	Column name	Data type	Description
🔑	actor_id	serial	Unique actor id.
	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	Date and time the record was last updated.

Linked from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

3.2.7 Customer

Key	Column name	Data type	Description
🔑	customer_id	serial	Unique customer id.

Key	Column name	Data type	Description
	store_id	smallint	Unique store id.
	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 address id.
	activebool	boolean	Customer status (true = active, false = not active).
	create_date	date	Date when a customer profile was created.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.
	active	integer	Active status (0 or 1).

Links to

Table	Join
address	customer.address_id = address.address_id

Linked from

Table	Join
rental	rental.customer_id = customer.customer_id

3.2.8 staff

Key	Column name	Data type	Description
🔑	staff_id	serial	Unique staff id.
	first_name	character varying (45)	Staff member's first name.

Key			
	last_name	character varying (45)	Staff member's last name.
🔑	address_id	smallint	Unique address id.
	email	character varying (50)	Email address of a staff member.
	store_id	smallint	Unique store id.
	active	boolean	Staff member status (true = active, false = not active).
	username	character varying (16)	Username for a staff member account.
	password	character varying (40)	Password for a staff member account.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.
	picture	bytea	Picture of a staff member.

Links to

Table	Join
address	staff.address_id = address.address_id

Linked from

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.staff_id = staff.staff_id
store	store.manager_staff_id = staff.staff_id

3.2.9 address

Key	Column name	Data type	Description

🔑	address_id	serial	Unique address id.
	address	character varying (50)	Street address (first line).
	address2	character varying (50)	Apt/Suite/Other (second line of address).
	district	character varying (20)	Address district.
🔑	city_id	smallint	Unique city id.
	postal_code	character varying (10)	Address postal code.
	phone	character varying (20)	Phone number.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Links to

Table	Join
city	address.city_id = city.city_id

Linked from

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

3.2.10 city

Key	Column name	Data type	Description
🔑	city_id	serial	Unique city id.
	city	character varying (50)	City name.
🔑	country_id	smallint	Unique country id.
	last_update	timestamp(6) without time zone	Date and time the record was last updated.

Links to

Table	Join
country	city.country_id = country.country_id

Linked from

Table	Join
address	address.city_id = city.city_id

3.2.11 country

Key	Column name	Data type	Description
🔑	country_id	serial	Unique country id.
	country	character varying (50)	Country name.
	last_update	timestamp (6) without time zone	Date and time the record was last updated.

Linked from

Table	Join
city	city.country_id = country.country_id