Rockbuster Stealth

Data Dictionary

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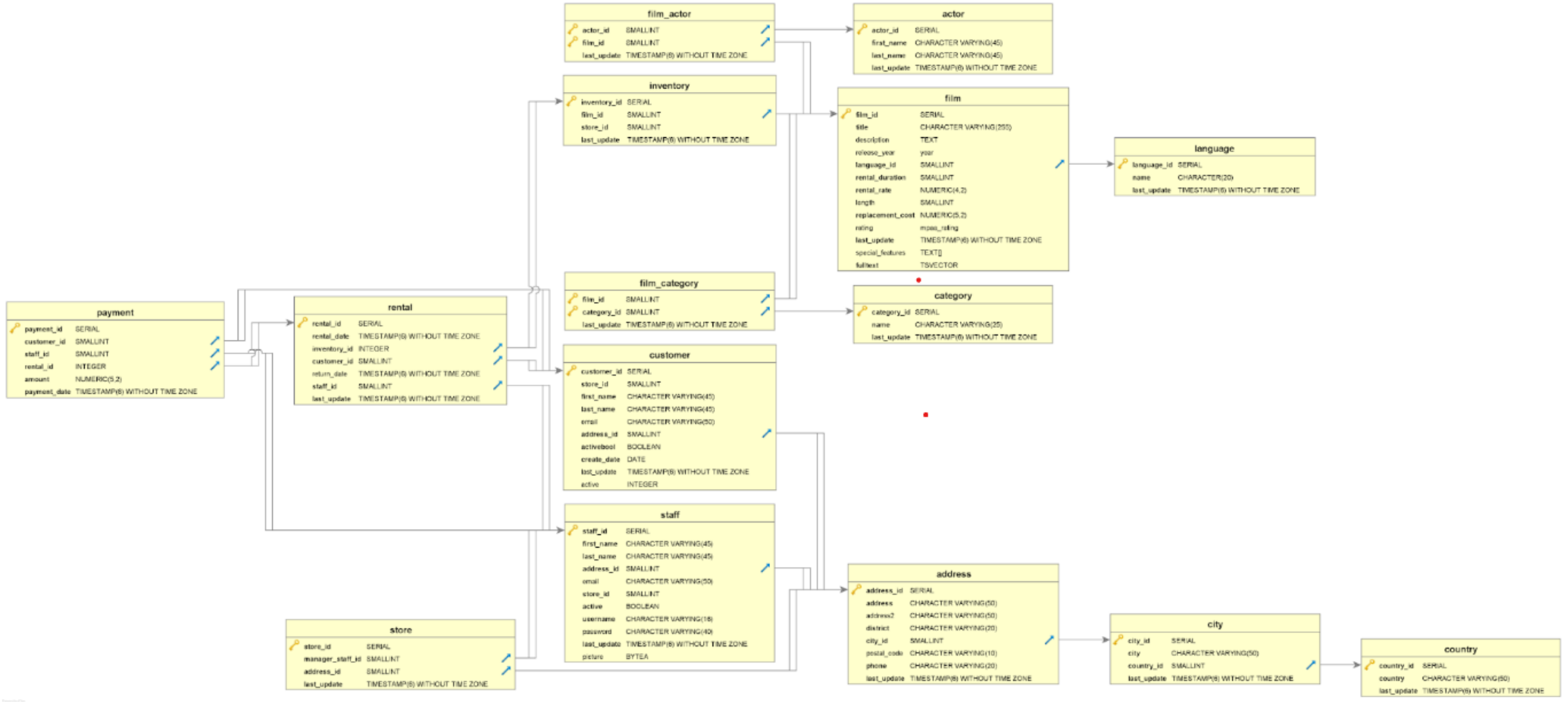
ERD (entity relationship diagram)



Primary Key

↗ Foreign Key

FACT TABLES

Table: RENTAL

COLUMNS	DATA TYPE	DESCRIPTION
rental_id	integer	Primary key unique identifier
rental_date	timestamp without time zone	Date and time the rental was done
inventory_id ↗	smallint	Foreign key connecting to table inventory
customer_id ↗	smallint	Foreign key connecting to table customer
return_date	timestamp without time zone	Date and time the rental was returned
staff_id ↗	smallint	Foreign key connecting to table staff
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION
Inventory	rental.inventory_id=inventory.inventory_id	Links rental and inventory tables via the unique identifier inverntory_id
customer	rental.customer_id=customer.customer_id	Links rental and customer tables via unique identifier customer_id
staff	rental.staff_id=staff.staff_id	Links rental and staff tables via the unique identifier staff_id

Linked from

TABLE	JOIN	DESCRIPTION
payment	payment.rental_id=rental.rental_id	Links payment and rental tables via the unique identifier rental_id

Table: PAYMENT

COLUMNS	DATA TYPE	DESCRIPTION
payment_id	integer	Primary key unique identifier
customer_id ↗	smallint	Foreign key connecting to table customer
staff_id ↗	smallint	Foreign key connecting to table staff
rental_id ↗	integer	Foreign key connecting to table rental
amount	numeric	Payment amount
payment_date	timestamp without time zone	Date and time the payment was made

Links to

TABLE	JOIN	DESCRIPTION
customer	payment.customer_id=customer.customer_id	Links payment and customer tables via unique identifier customer_id
staff	payment.staff_id=staff.staff_id	Links payment and staff tables via the unique identifier staff_id

rental	payment.rental_id=rental.rental_id	Links payment and rental tables via the unique identifier rental_id

DIMENSION TABLES

Table: ACTOR

COLUMNS	DATA TYPE	DESCRIPTION
actor_id	integer	Primary key unique identifier
first_name	character varying(45)	Actor's first name
last_name	character varying(45)	Actor's last name
last_update	timestamp without time zone	Date and time the record was last updated

Linked from

TABLE	JOIN	DESCRIPTION
Film_actor	film_actor.actor_id=actor.actor_id	Links film_actor and actor tables via the unique identifier actor_id

Table: ADDRESS

COLUMNS	DATA TYPE	DESCRIPTION

address_id	integer	Primary key unique identifier
address	character varying(50)	Address
address2	character varying(50)	Additional address (optional)
district	character varying(50)	District name
city_id ↗	smallint	Foreign key connecting to table city
postal_code	character varying(10)	Postal code number
phone	character varying(20)	Phone number
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION
city	address.city_id=city.city_id	Links address and city tables via unique identifier city_id

Linked from

TABLE	JOIN	DESCRIPTION
customer	customer.address_id=address. address_id	Links customer and address tables via the unique identifier address_id
staff	staff. address_id=address. address_id	Links staff and address tables via the unique identifier address_id
store	store. address_id=address. address_id	Links sore and address tables via the unique identifier address_id

Table: CATEGORY

COLUMNS	DATA TYPE	DESCRIPTION
category_id	integer	Primary key unique identifier
name	character varying(25)	Category name
last_update	timestamp without time zone	Date and time the record was last updated

Linked from

TABLE	JOIN	DESCRIPTION
film_category	film_category.category_id= category. category _id	Links film_ category and actor tables via the unique identifier category _id

Table: CITY

COLUMNS	DATA TYPE	DESCRIPTION
city_id	integer	Primary key unique identifier
city	character varying(50)	City name
country_id ↗	smallint	Foreign key connecting to table country
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION
country	city. country _id= country. country _id	Links city and country tables via unique identifier country_id

Linked from

TABLE	JOIN	DESCRIPTION
address	address.category_id= country. country _id	Links address and country tables via the unique identifier country _id

Table: COUNTRY

COLUMNS	DATA TYPE	DESCRIPTION
country_id	integer	Primary key unique identifier
country	character varying(50)	Country name
last_update	timestamp without time zone	Date and time the record was last updated

Linked from

TABLE	JOIN	DESCRIPTION
city	city.category_id= country. country _id	Links city and country tables via the unique identifier

		country _id

Table: CUSTOMER

COLUMNS	DATA TYPE	DESCRIPTION
customer_id	integer	Primery key unique identifier
store_id ↗	smallint	Foreign key connecting to table store
first_name	character varying(45)	Customer first name
last_name	character varying(45)	Customer last name
email	character varying(50)	Customer email email
address_id ↗	smallint	Foreign key connecting to table address
activebool	boolean	Subscription "active" or "not active"
create_date	date	Registration date
last_update	timestamp without time zone	Date and time the record was last updated
active	integer	If subscription active "1" if not active "2"

Links to

TABLE	JOIN	DESCRIPTION
store	customer. store_id= store. store_id	Links customer and store tables via unique identifier store _id

address	customer.address_id= address. address_id	Links customer and address tables via unique identifier address _id

Linked from

TABLE	JOIN	DESCRIPTION
payment	payment.customer_id= customer. customer _id	Links payment and customer tables via the unique identifier customer _id
rental	rental. customer_id= customer. customer_id	Links rental and customer tables via the unique identifier customer _id

Table: FILM

COLUMNS	DATA TYPE	DESCRIPTION
film_id	integer	Primary key unique identifier
title	character varying(255)	Movie title
description	text	Movie description
release_year	integer	Movie release year
language_id ↗	smallint	Foreign key connecting to table language
rental_duration	smallint	Movie rental duration

rental_rate	numeric	Movie rental rate
length	smallint	Movie length
replacement_cost	numeric	Movie replacement cost
rating	USER-DEFINED	Movie rating
last_update	timestamp without time zone	Date and time the record was last updated
special_features	ARRAY	Movie special features
fulltext	tsvector	any of the following data types: char, varchar, nchar, nvarchar, text, ntext, image, xml, or varbinary(max) and FILESTREAM

Links to

TABLE	JOIN	DESCRIPTION
language	film. language _id= language. language _id	Links film and language tables via unique identifier language _id

Linked from

TABLE	JOIN	DESCRIPTION
inventory	inventory. language _id= language. language _id	Links inventory and language tables via the unique identifier language _id

Table: FILM_ACTOR

COLUMNS	DATA TYPE	DESCRIPTION

actor_id ↗	smallint	Both primary and foreign key connecting to table actor
film_id ↗	smallint	Both primary and foreign key connecting to table film
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION
actor	film_actor. actor _id= actor. actor _id	Links film_actor and actor tables via unique identifier actor _id
film	film_actor. film _id= film. film _id	Links film_actor and film tables via unique identifier film _id

Table: FILM_CATEGORY

COLUMNS	DATA TYPE	DESCRIPTION
film_id ↗	smallint	Both primary and foreign key connecting to table film
category_id ↗	smallint	Both primary and foreign key connecting to table category
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION

film	film_category.film_id=film.film_id	Links film_ category and film tables via unique identifier film _id
category	film_category. category _id= category. category _id	Links film_ category and category tables via unique identifier category _id

Table: INVENTORY

COLUMNS	DATA TYPE	DESCRIPTION
inventory_id	integer	Primary key unique identifier
film_id ↗	smallint	Foreign key connecting to table film
store_id ↗	smallint	Foreign key connecting to table store
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION
film	Inventory.film _id= film. film _id	Links inventory and film tables via unique identifier film _id
store	store.film _id= film. film _id	Links sore and film tables via unique identifier

		film _id

Linked from

TABLE	JOIN	DESCRIPTION
rental	rental. inventory _id= inventory. inventory _id	Links rental and inventory tables via the unique identifier inventory _id

Table: LANGUAGE

COLUMNS	DATA TYPE	DESCRIPTION
language_id	integer	Primary key unique identifier
name	character(20)	language name
last_update	timestamp without time zone	Date and time the record was last updated

Linked from

TABLE	JOIN	DESCRIPTION
film	film. language _id= language. language _id	Links film and language tables via the unique identifier language _id

Table: STAFF

COLUMNS	DATA TYPE	DESCRIPTION
staff_id	integer	Primary key unique identifier
first_name	character varying(45)	employee first name
last_name	character varying(45)	employee last name
address_id ↗	smallint	Foreign key connecting to table address
email	character varying(50)	employee email address
store_id ↗	smallint	Foreign key connecting to table store
active	boolean	employment "active" or "not active"
username	character varying(16)	employee username
password	character varying(40)	employee password
last_update	timestamp without time zone	Date and time the record was last updated
picture	bytea	binary strings

Links to

TABLE	JOIN	DESCRIPTION
address	staff.address _id= address. address _id	Links staff and address tables via unique identifier address _id
store	staff. store _id= store. store _id	Links staff and store tables via unique identifier store _id

Linked from

TABLE	JOIN	DESCRIPTION

payment	payment. staff _id= staff. staff _id	Links payment and staff tables via the unique identifier staff _id

Table: STORE

COLUMNS	DATA TYPE	DESCRIPTION
store_id	integer	Primery key unique identifier
manager_staff_id ↗	smallint	unique identifier
address_id ↗	smallint	Foreign key connecting to table address
last_update	timestamp without time zone	Date and time the record was last updated

Links to

TABLE	JOIN	DESCRIPTION
manager_staff	store. manager_staff _id= manager_staff. manager_staff _id	Links store and manager_staff tables via unique identifier manager_staff _id
address	store. address _id= address. address _id	Links store and store tables via unique identifier address _id