Rockbuster Stealth

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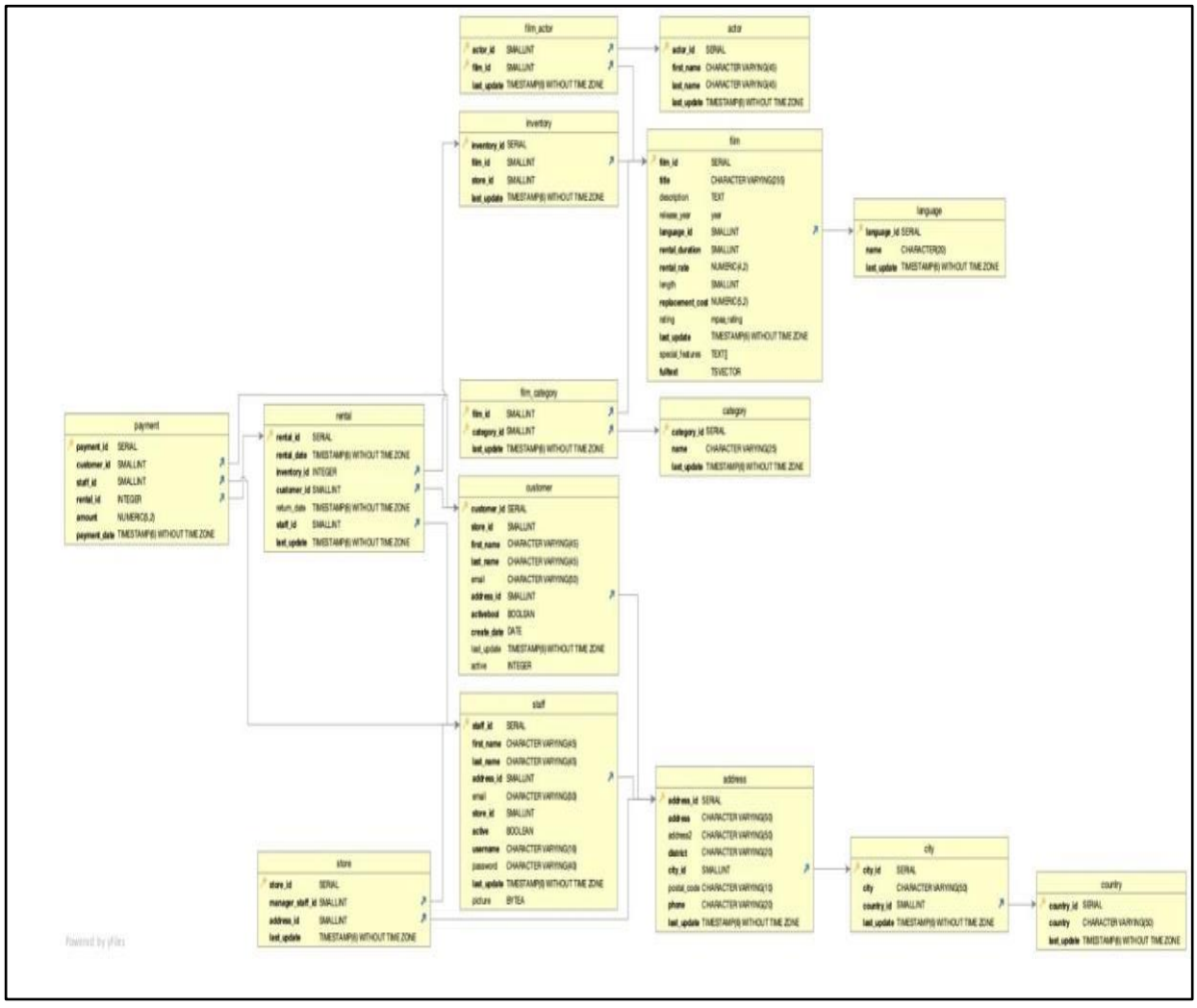
ERD Table


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
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
language
language_id SERIAL
name CHARACTER(20)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
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
payment
payment_id SERIAL
customer_id SMALLINT
staff_id SMALLINT
rental_id INTEGER
amount NUMERIC(5,2)
payment_date 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
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
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
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
city
city_id SERIAL
city CHARACTER VARYING(50)
country_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
country
country_id SERIAL
country CHARACTER VARYING(50)
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

Fact Table

Rental

Column	Data Type	Description
rental_id	Serial	Number assigned to rental
rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental
inventory_id	INTEGER	Number assigned to item
customer_id	SMALLINT	Number assigned to customer
return_data	TIMESTAMP(6) WITHOUT TIMEZONE	Return date of rental
staff_id	SMALLINT	Number assigned to employee
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date entry was last updated

Dimension Tables

Payment

Column	Data Type	Description
payment_id	SERIAL	Number assigned to payment
customer_id	SMALLINT	Number assigned to customer
staff_id	SMALLINT	Number assigned to employee
rental_id	INTEGER	Number assigned to rental
amount	NUMERIC(5,2)	Amount paid
payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment

Store

Column	Data Type	Description
Store_id	SERIAL	Number assigned to store
Manager_staff_id	SMALLINT	Number assigned to store manager
Address_id	SMALLINT	Number assigned to store address
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Film_actor

Column	Data Type	Description
actor_id	SMALLINT	Number assigned to actor
film_id	SMALLINT	Number assigned to film
last_updated	TIMESTAMP(6) WITHOUT TIMEZONE	Data entry was last updated

Inventory

Column	Data Type	Description
inventory_id	SERIAL	Number assigned to item
film_id	SMALLINT	Number assigned to film
store_id	SMALLINT	Number assigned to store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Film_category

Column	Data Type	Description
film_id	SMALLINT	Number assigned to film
film_category	SMALLINT	Number assigned to genre/category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Customer

Column	Data Type	Description
customer_id	SERIAL	Number assigned to customer
store_id	SMALLINT	Number assigned to store
first_name	CHARACTERVARYING(50)	First name of customer
last_name	CHARACTERVARYING(45)	Last name of customer
email	CHARACTERVARYING(50)	Email address of customer
address_id	SMALLINT	Number assigned to customer’s address
activebool	BOOLEAN	Customer’s active status
create_date	DATE	Date entry was created
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated
active	INTGER	Customer’s active status

Staff

Column	Data Type	Description
staff_id	SERIAL	Number assigned to employee
first_name	CHARACTERVARYING(45)	First name of employee
last_name	CHARACTERVARYING(45)	Last name of employee
address_id	SMALLINT	Number assigned to employee's address
email	CHARACTERVARYING(50)	Email address of employee
store_id	SMALLINT	Number assigned to store
active	BOOLEAN	Employee active status
username	CHARACTERVARYING(16)	Username of employee
password	CHARACTERVARYING(40)	Password of employee
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated
picture	BYTEA	Picture of employee

Actor

Column	Data Type	Description
actor_id	SERIAL	Number assigned to actor
first_name	CHARACTERVARYING(45)	First name of actor
last_name	CHARACTERVARYING(45)	Last name of actor
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Film

Column	Data Type	Description
film_id	SERIAL	Number assigned to film
title	CHARACTERVARYING(45)	Title of film
description	TEXT	Description of film
release_year	year	Release year of film
language_id	SMALLINT	Number assigned to film language
rental_duration	SMALLINT	Length of film rental
rental_rate	NUMERIC(4,2)	Price of film
length	SMALLINT	Length of film
replacement_cost	NUMERIC(5,2)	Cost of replace of film
rating	mpaa_rating	Film rating
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated
special_features	TEXT []	Special features included with film
fulltext	TSVECTOR	Keywords associated with film

Category

Column	Data Type	Description
language_id	SERIAL	Number assigned to language
name	CHARACTERVARYING(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Address

Column	Data Type	Description
address_id	SERIAL	Number assigned to address
address	CHARACTERVARYING(50)	Street address
address2	CHARACTERVARYING(50)	Supplementary street address
district	CHARACTERVARYING(20)	District
city_id	SMALLINT	Number assigned to City
postal_code	CHARACTERVARYING(10)	Postal code
phone	CHARACTERVARYING(20)	Phone number
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Language

Column	Data Type	Description
language_id	SERIAL	Number assigned to language
name	CHARACTERVARYING(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

City

Column	Data Type	Description
city_id	SERIAL	Number assigned to city
city	CHARACTERVARYING(20)	Name of city
country_id	SMALLINT	Number assigned to country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Country

Column	Data Type	Description
country_id	SERIAL	Number assigned to country
country	CHARACTERVARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated