FEBRUARY 2, 2023

ROCKBUSTER STEALTH LLC

DATA DICTIONARY
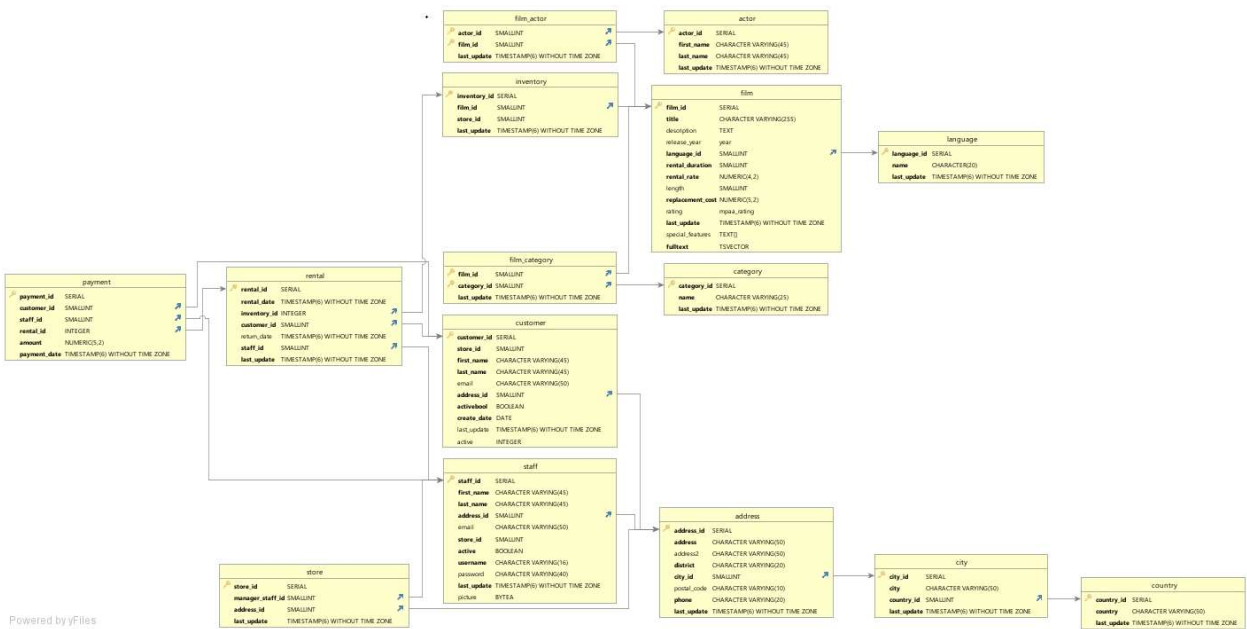
BEN THOMAS

Contents

Entity Relationship Diagram

Fact Table

1.1 Payment

Columns	Data Type	Description
payment_id	SERIAL	**Primary Key:** ID of payment
customer_id	SMALLINT	**Foreign Key:** ID of customer
staff_id	SMALLINT	**Foreign Key:** ID of staff
rental_id	INTEGER	**Foreign Key:** ID of rental
amount	NUMERIC(5,2)	Amount paid
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment

Links to:

Table	Column
customer	customer_id
rental	rental_id
staff	staff_id

1.2 Film_actor

Columns	Data Type	Description
actor_id	SMALLINT	**Primary Key:** ID of actor
film_id	SMALLINT	**Primary Key:** ID of film

last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
actor	actor_id
film	film_id

1.3 Film_category

Columns	Data Type	Description
film_id	SMALLINT	**Primary Key:** ID of film
category_id	SMALLINT	**Primary Key:** ID of the category of the film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
film	film_id
category	category_id

1.4 Store

Columns	Data Type	Description
store_id	SERIAL	**Primary Key:** ID of store
manager_staff_id	SMALLINT	**Foreign Key:** ID of the manager of the store
address_id	SMALLINT	**Foreign Key:** Address of the store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
staff	store_id
address	address_id

Dimension Tables

2.1 Rental

Columns	Data Type	Description
rental_id	SERIAL	**Primary Key:** Serial number for rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
inventory_id	INTEGER	**Foreign Key:** ID of inventory

customer_id	SMALLINT	**Foreign Key:** ID of customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental return
staff_id	SMALLINT	**Foreign Key:** ID of the staff who rented out the inventory
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
inventory	inventory_id
customer	customer_id
staff	staff_id

Links from:

Table	Column
payment	rental_id

2.2 Inventory

Columns	Data Type	Description
inventory_id	SERIAL	**Primary Key:** ID of inventory
film_id	SMALLINT	**Foreign Key:** ID of film
store_id	SMALLINT	**Foreign Key:** ID of store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
film	film_id

Links from:

Table	Column
rental	inventory_id

2.3 Customer

Columns	Data Type	Description
customer_id	SERIAL	**Primary Key:** ID of customer
store_id	SMALLINT	**Foreign Key:** ID of store
first_name	CHARACTER VARYING(45)	First name of customer
last_name	CHARACTER VARYING(45)	Last name of customer
email	CHARACTER VARYING(50)	Email of customer
address_id	SMALLINT	**Foreign Key:** Address of customer

activebool	BOOLEAN	Is the customer active
create_date	DATE	Date the customer activated account
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update
active	INTEGER	Is the customer active

Links to:

Table	Column
address	address_id

Links from:

Table	Column
rental	customer_id
payment	customer_id

2.4 Staff

Columns	Data Type	Description
staff_id	SERIAL	**Primary Key:** ID of staff
first_name	CHARACTER VARYING(45)	First name of staff
last_name	CHARACTER VARYING(45)	Last name of staff
address_id	SMALLINT	**Foreign Key:** Address of staff
email	CHARACTER VARYING(50)	Email of staff
store_id	SMALLINT	**Foreign Key:** ID of store of staff
active	BOOLEAN	Is the employee still active
username	CHARACTER VARYING(16)	Username of employee
password	CHARACTER VARYING(40)	Password of employee
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update
picture	BYTEA	Picture of employee

Links to:

Table	Column
address	address_id

Links from:

Table	Column
payment	staff_id
rental	staff_id
store	store_id

2.5 Actor

Columns	Data Type	Description

actor_id	SERIAL	**Primary Key:** ID 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	Time of last update

Links from:

Table	Column
film_actor	actor_id

2.6 Film

Columns	Data Type	Description
film_id	SERIAL	**Primary Key:** ID of film
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Description of film
release_year	year	Year film was released
language_id	SMALLINT	**Foreign Key:** Language of film
rental_duration	SMALLINT	Duration of rental
rental_rate	NUMERIC(4,2)	Cost of rental
length	SMALLINT	Length of film
replacement_cost	NUMERIC(5,2)	Cost to replace rental
rating	mpaa_rating	Rating of film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update
special_features	TEXT	Indicates special features such as trailers/deleted scenes/commentaries
fulltext	TSVECTOR	Key words and count of those words

Links to:

Table	Column
language	language_id

Links from:

Table	Column
film_actor	film_id
film_category	film_id
inventory	film_id

2.7 Category

Columns	Data Type	Description
category_id	SERIAL	**Primary Key:** Generic number for category
name	CHARACTER VARYING(25)	Genre type

last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links from:

Table	Column
film_category	category_id

2.8 Language

Columns	Data Type	Description
language_id	SERIAL	**Primary Key:** Generic number for language
name	CHARACTER(20)	Language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links from:

Table	Column
film	language_id

2.9 Address

Columns	Data Type	Description
address_id	SERIAL	**Primary Key:** Generic number for address
address	CHARACTER VARYING(50)	First line of address
address2	CHARACTER VARYING(50)	Second line of address
district	CHARACTER VARYING(20)	District of address
city_id	SMALLINT	**Foreign Key:** ID of address
postal_code	CHARACTER VARYING(10)	Postal code of address
phone	CHARACTER VARYING(20)	Phone number for address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
city	city_id

Links from:

Table	Column
staff	address_id
customer	address_id
store	address_id

2.10 City

Columns	Data Type	Description

city_id	SERIAL	**Primary Key:** ID of city
city	CHARACTER VARYING(50)	City
country_id	SMALLINT	**Foreign Key:** ID of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links to:

Table	Column
country	country_id

Links from:

Table	Column
address	city_id

2.11 Country

Columns	Data Type	Description
country_id	SERIAL	**Primary Key:** ID of country
country	CHARACTER VARYING(50)	Country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last update

Links from:

Table	Column
city	country_id