Rockbuster Stealt LLC

Table of Contents

Legend

🔑	Primary Key
🗝	Foreign Key

Entity Relationship Diagram
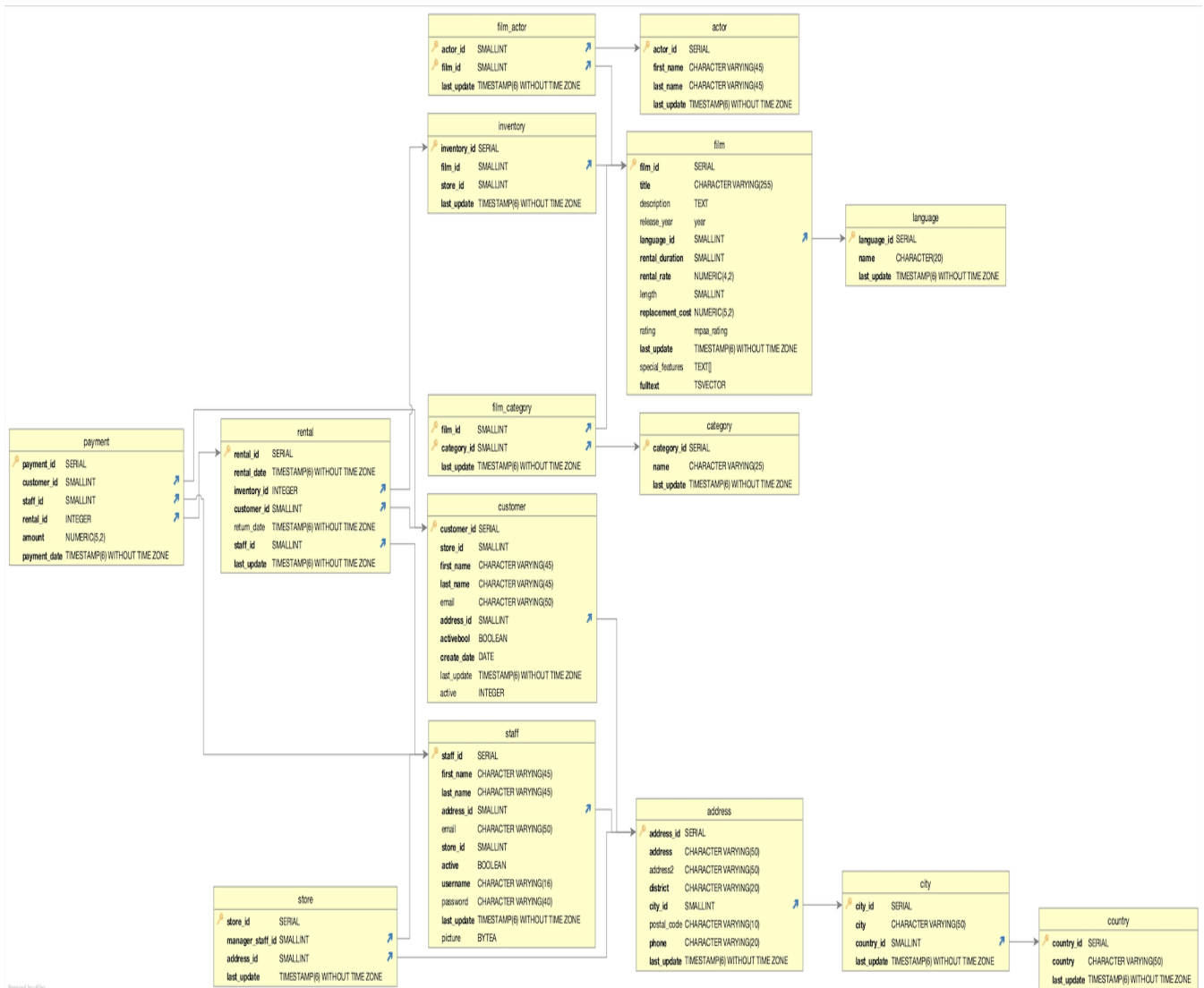
1. Fact Table

1.1. Rental

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
rental_id	SERIAL	unique identifier for rental	🔑		payment
rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	the date the renta l was rented			
inventory_id	INTEGER	unique identifier for inventory		inventory	
customer_id	SMALLINT	unique identifier for customer		customer	
return_date	TIMESTAMP (6) WITHOUT TIME ZONE	the date the rental was returned			
staff_id	SMALLINT	unique identifier for staff		staff	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2. Dimension Tables

2.1. Payment

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
payment_id	SERIAL	unique identifier for payment	🔑		
customer_id	SMALLINT	unique identifier for customer		customer	
staff_id	SMALLINT	unique identifier for staff		staff	
rental_id	INTEGER	unique identifier for rental		rental	
amount	NUMERIC (5,2)	The total sum that must be paid			
payment date	TIMESTAMP (6) WITHOUT TIME ZONE	Date on which the payment was made			

2.2. film_actor

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
actor_id	SMALLINT	unique identifier for actor	🔑	actor	
film_id	SMALLINT	unique identifier for film	🔑	film	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.3. Inventory

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
inventory_id	SERIAL	unique identifier for inventory	🔑		rental
film_id	SMALLINT	unique identifier for film		film	
store_id	SMALLINT	unique identifier for store			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.4. actor

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
actor_id	SMALLINT	unique identifier for actor	🔑		film_actor
first_name	CHARACTER VARYING (45)	an actor's first name			
last_name	CHARACTER VARYING (45)	an actor's last name			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.5. film

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
film_id	SERIAL	unique identifier for film	🔑		film_actor, inventory, film_category
title	CHARACTER VARYING (255)	a film's title			
description	TEXT	a film's description			
release_year	year	the year in which the film was released			
language_id	SMALLINT	unique identifier for language in film		language	
rental_duration	SMALLINT	the period during which a film is rented			
rental_rate	NUMERIC (4,2)	a film's price			
length	SMALLINT	a film's length			
replacement_cost	NUMERIC (5,2)	a cost of replacement			
rating	mpaa_rating	a film's rating			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			
special_features	TEXT []	special elements in the film			
fulltext	TSVECTOR	keywords related to film			

2.6. language

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKES TO	LINKS FROM
language_id	SERIAL	unique identifier for language	🔑		film
name	CHARACTER (20)	the language's name			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.7. film_category

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
film_id	SMALLINT	unique identifier for film	🔑	film	
category_id	SMALLINT	unique identifier for category	🔑	category	
last_update	TIMESTAMP (6) THOUT TIME ZONE	the date of the most recent update			

2.8. category

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
category_id	SERIAL	e identifier for category	🔑		film_category
name	CHARAC	the category's name			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.9. customer

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
customer_id	SERIAL	unique identifier for customer	🔑		payment, rental
store_id	SMALLINT	unique identifier for store			
first_name	CHARACTER VARYING (45)	a customer's first name			
last_name	CHARACTER VARYING (45)	a customer's last name			
email	CHARACTER VARYING (50)	a customer's email			
address_id	SMALLINT	unique identifier for address		address	
activebool	BOOLEAN	the status of a customer's activity			
create_date	DATE	the date on which the customer "profile" was created			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			
active	INTEGER	the status of a customer's activity			

2.10. staff

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
staff_id	SERIAL	unique identifier for staff	🔑		payment, rental
first_name	CHARACTER VARYING (45)	an employee's first name			
last_name	CHARACTER VARYING (45)	an employee's last name			
address_id	SMALLINT	unique identifier for address		address	
email	CHARACTER VARYING (50)	an employee's email			
store_id	SMALLINT	unique identifier for store		store	
active	BOOLEAN	the status of an employee's activity			
username	CHARACTER VARYING (16)	an employee's username			
password	CHARACTER VARYING (40)	an employee's password			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			
picture	BYTEA	an employee's picture			

2.11. store

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
store_id	SERIAL	unique identifier for store	🔑		
manager_staff_id	SMALLINT	unique identifier for manager		staff	
address_id	SMALLINT	unique identifier for address		address	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.12. address

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
address_id	SERIAL	unique identifier for address	🔑		customer, staff, store
address	CHARACTER VARYING (50)	the street address			
address2	CHARACTER VARYING (50)	additional street address			
district	CHARACTER VARYING (20)	the name of the district			
city_id	SMALLINT	unique identifier for city		city	
postal_code	CHARACTER VARYING (10)	postal code			
phone	CHARACTER VARYING (20)	phone number			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	date of the most recent update			

2.13. city

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
city_id	SERIAL	unique identifier for city	🔑		address
city	CHARACTER VARYING (50)	the name of the city			
country_id	SMALLINT	unique identifier for country		country	
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			

2.14. country

COLUMNS	DATA TYPE	DESCRIPTION	KEY	LINKS TO	LINKS FROM
country_id	SERIAL	unique identifier for country	🔑		city
country	CHARAC	the name of the country			
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	the date of the most recent update			