

ROCKBUSTER

Data Dictionary

Table of Contents

Legend.....	1
Entity Relationship Diagram (ERD).....	2

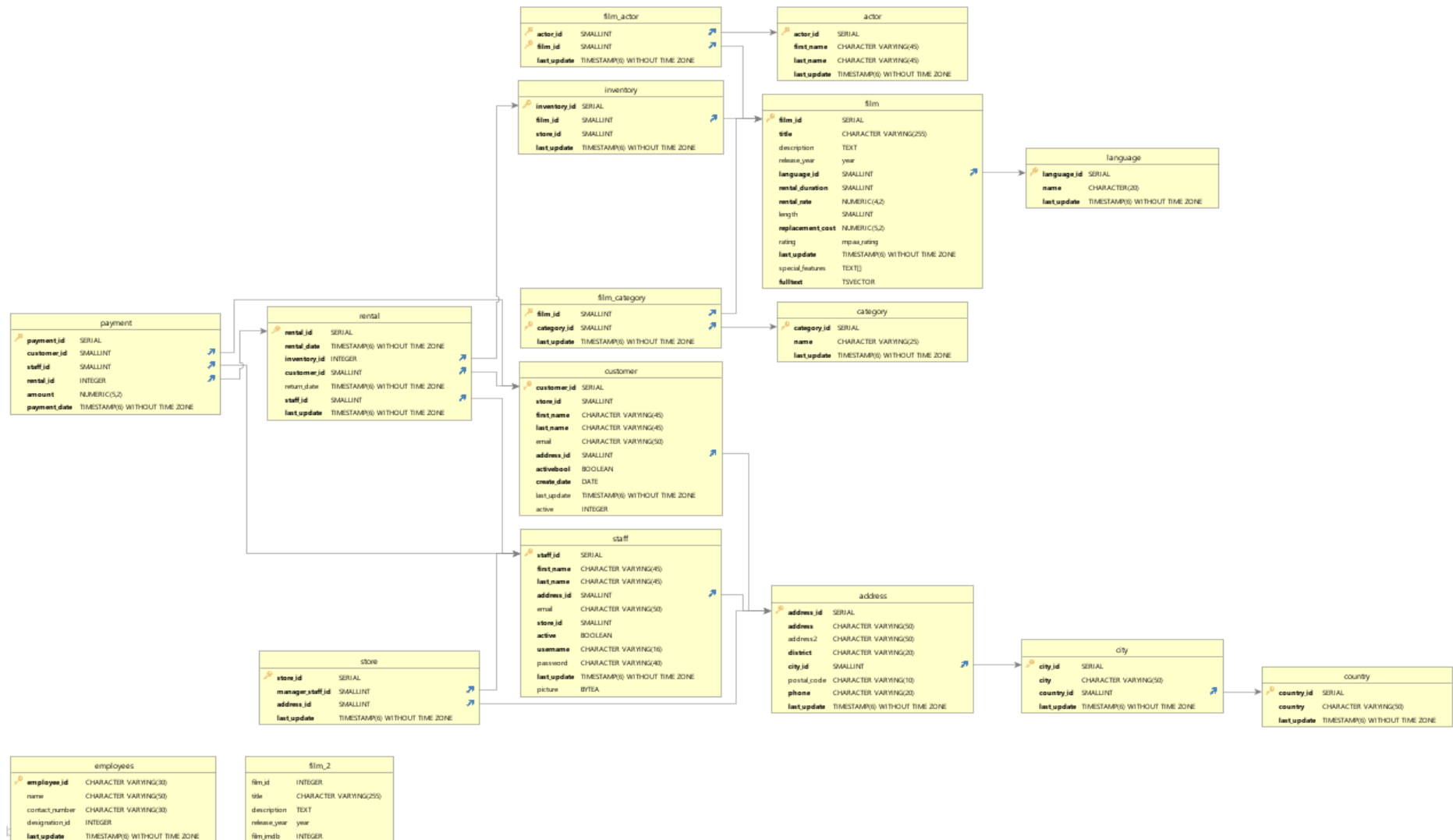
Fact Tables

Rental.....	3-4
Payment.....	5

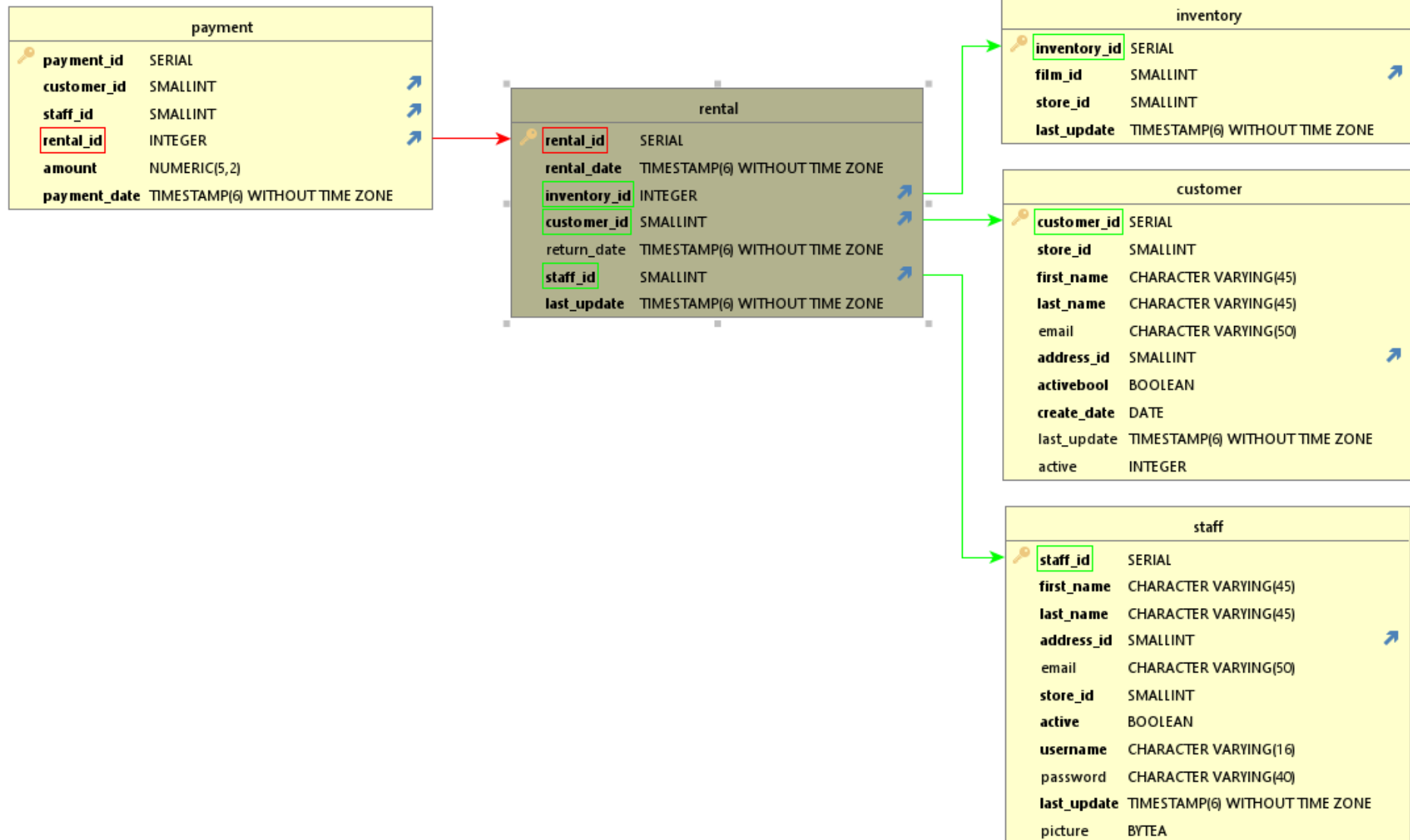
Dimension Tables

Actor.....	6
Address.....	7
Category.....	8
City.....	8
Country.....	9
Customer.....	10
Film.....	11-12
Film Actor.....	13
Film Category.....	14
Inventory.....	15
Language.....	16
Staff.....	17-18
Store.....	19
Employee.....	20

Entity Relationship Diagram (ERD)



Fact Table

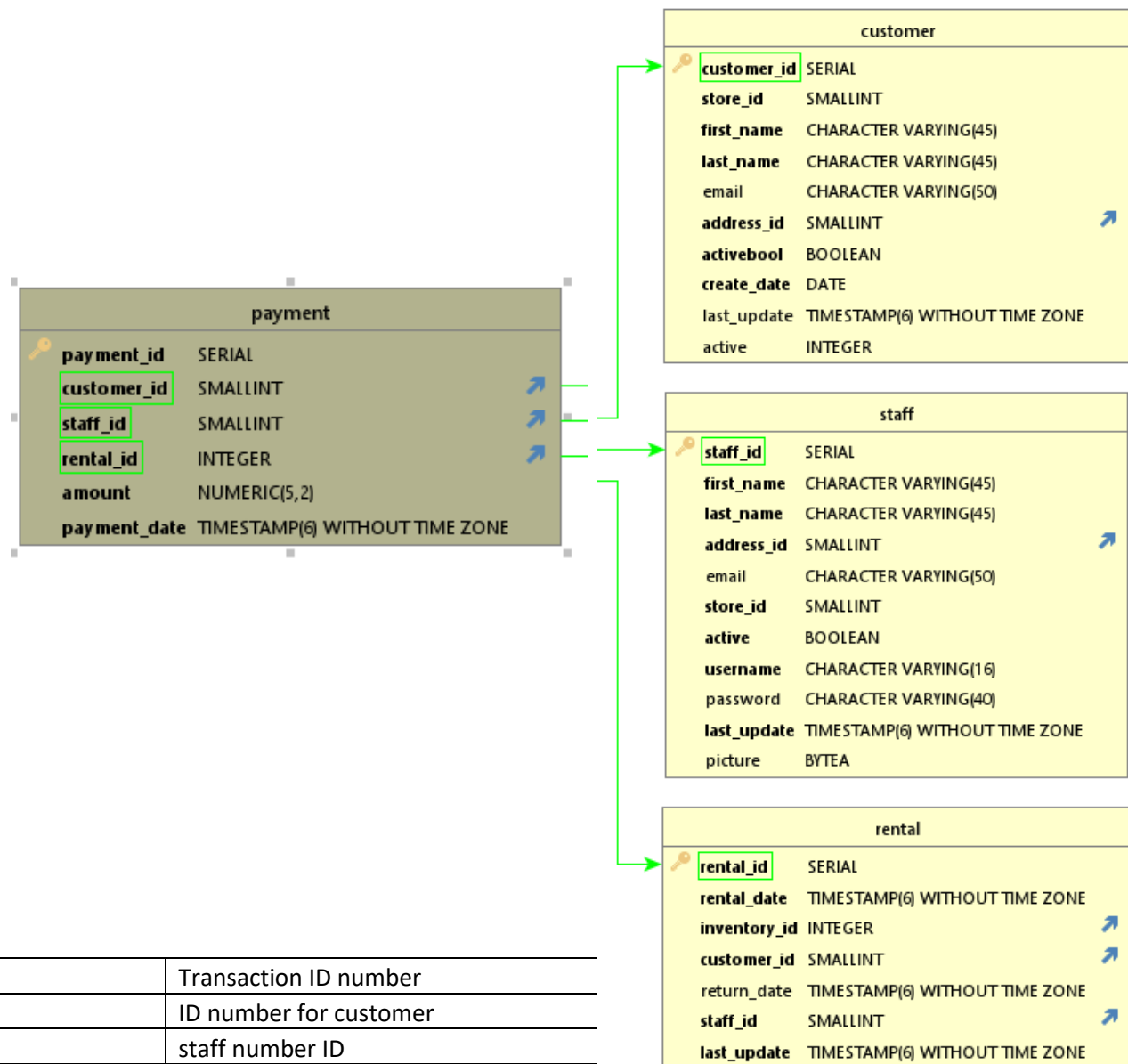


Rental

Column Name	Type Name	
rental_id	SERIAL	ID number for rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	date of rental
inventory_id	INTEGER	ID of product
customer_id	SMALLINT	ID number for customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date that rental needs to be returned
staff_id	SMALLINT	staff number ID
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

Links from: Payment

Links to: Inventory, customer, staff.

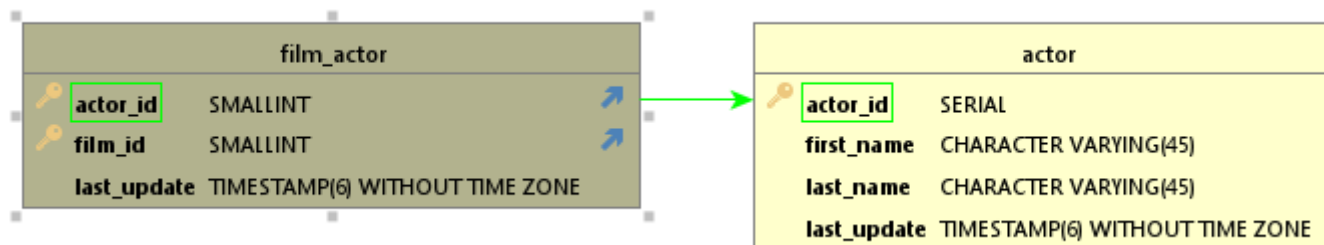


Links to: rental, customer, staff.

Payment

payment_id	SERIAL	Transaction ID number
customer_id	SMALLINT	ID number for customer
staff_id	SMALLINT	staff number ID
rental_id	INTEGER	ID number for rental
amount	NUMERIC(5,2)	total amount of payment
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	date payment was made


Dimension Tables





Links from –
Film Actor


Actor


actor_id	SERIAL	ID number assigned to 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 transaction was last updated

store	
 store_id	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

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

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

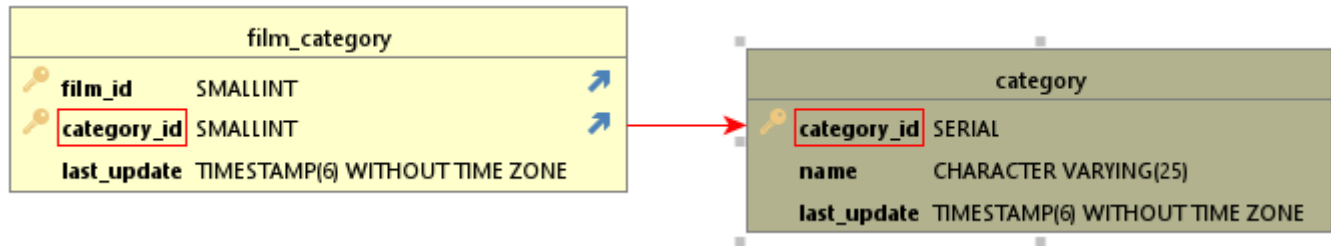
address	
 address_id	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city	
 city_id	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Links from – STORE, STAFF, CUSTOMER
Links to - CITY

Address

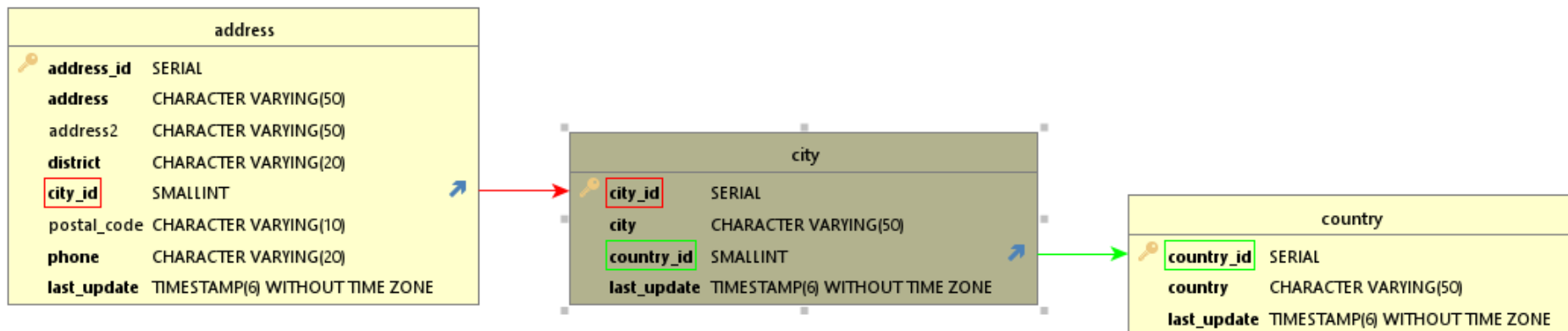
address_id	SERIAL	ID number assigned to the address
address	CHARACTER VARYING(50)	Space for address
address2	CHARACTER VARYING(50)	space for address if needed
district	CHARACTER VARYING(20)	district of address
city_id	SMALLINT	city where address is
postal_code	CHARACTER VARYING(10)	postal code of address
phone	CHARACTER VARYING(20)	phone number of address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated



Links from – film_category

Category

category_id	SERIAL	ID of category movie is in
name	CHARACTER VARYING(25)	name of category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

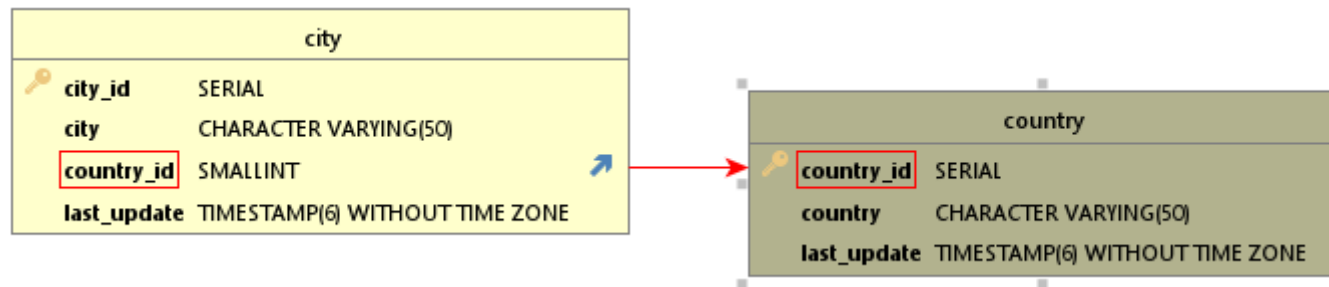


City

city_id	SERIAL	city ID
city	CHARACTER VARYING(50)	city name
country_id	SMALLINT	country code
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

Links from – address

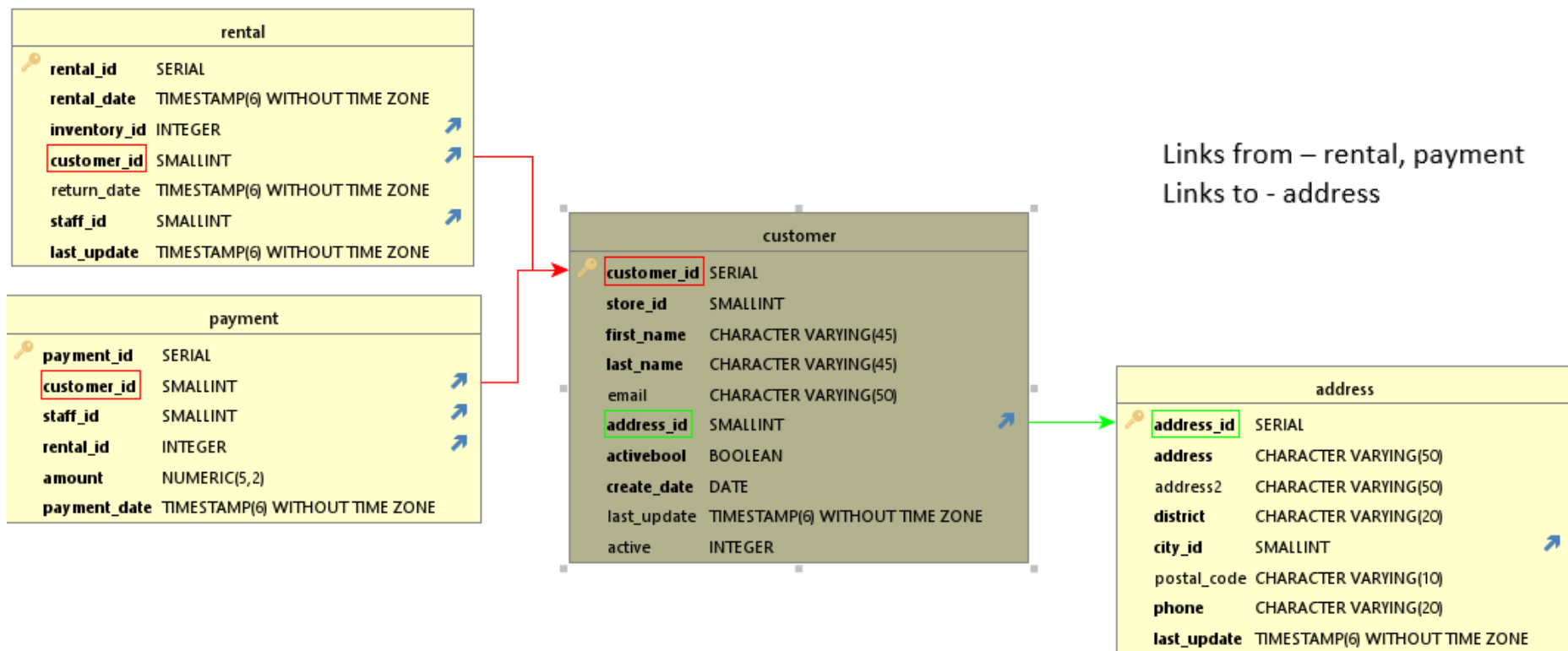
Links to - country



Country

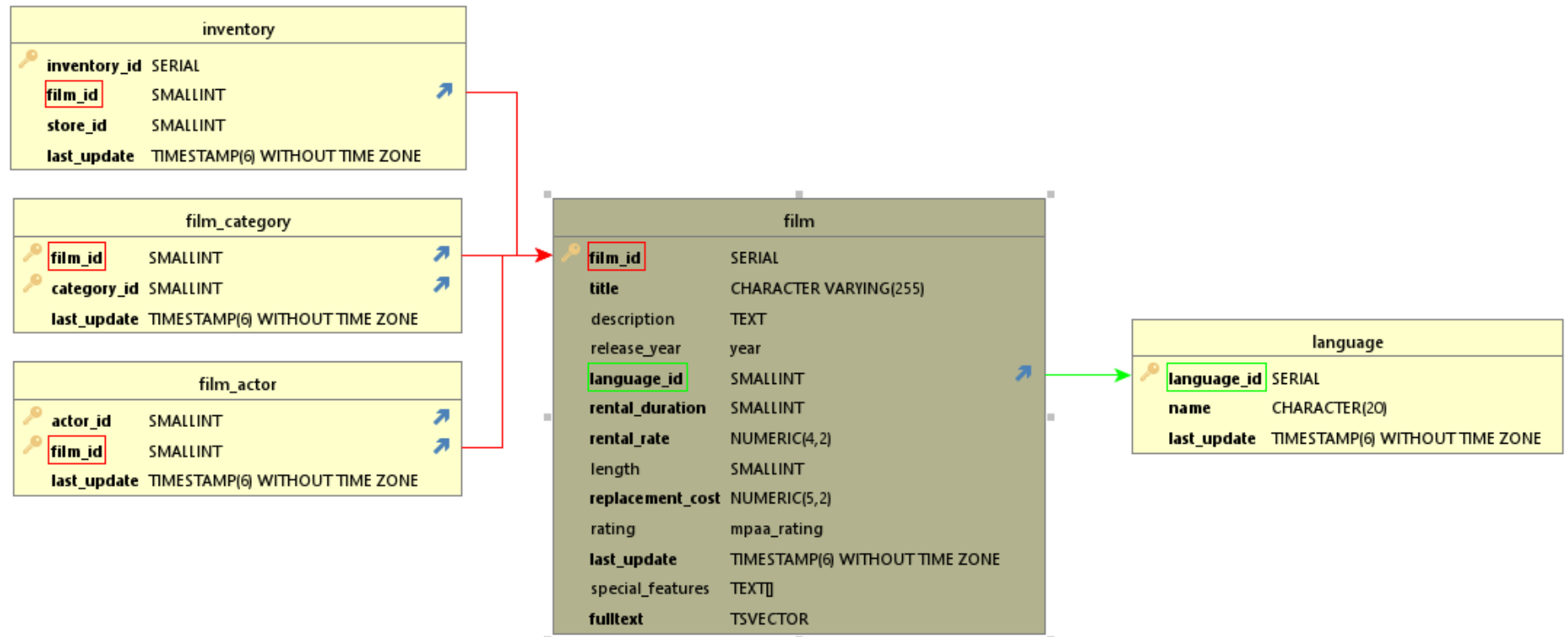
country_id	SERIAL	country code
country	CHARACTER VARYING(50)	name of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

Links from – city



Customer

customer_id	SERIAL	ID number for customer
store_id	SMALLINT	ID number 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	address of customer
activebool	BOOLEAN	if the client is currently an active member
create_date	DATE	date that customer became a member
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated
Active	INTEGER	if the client is currently an active member

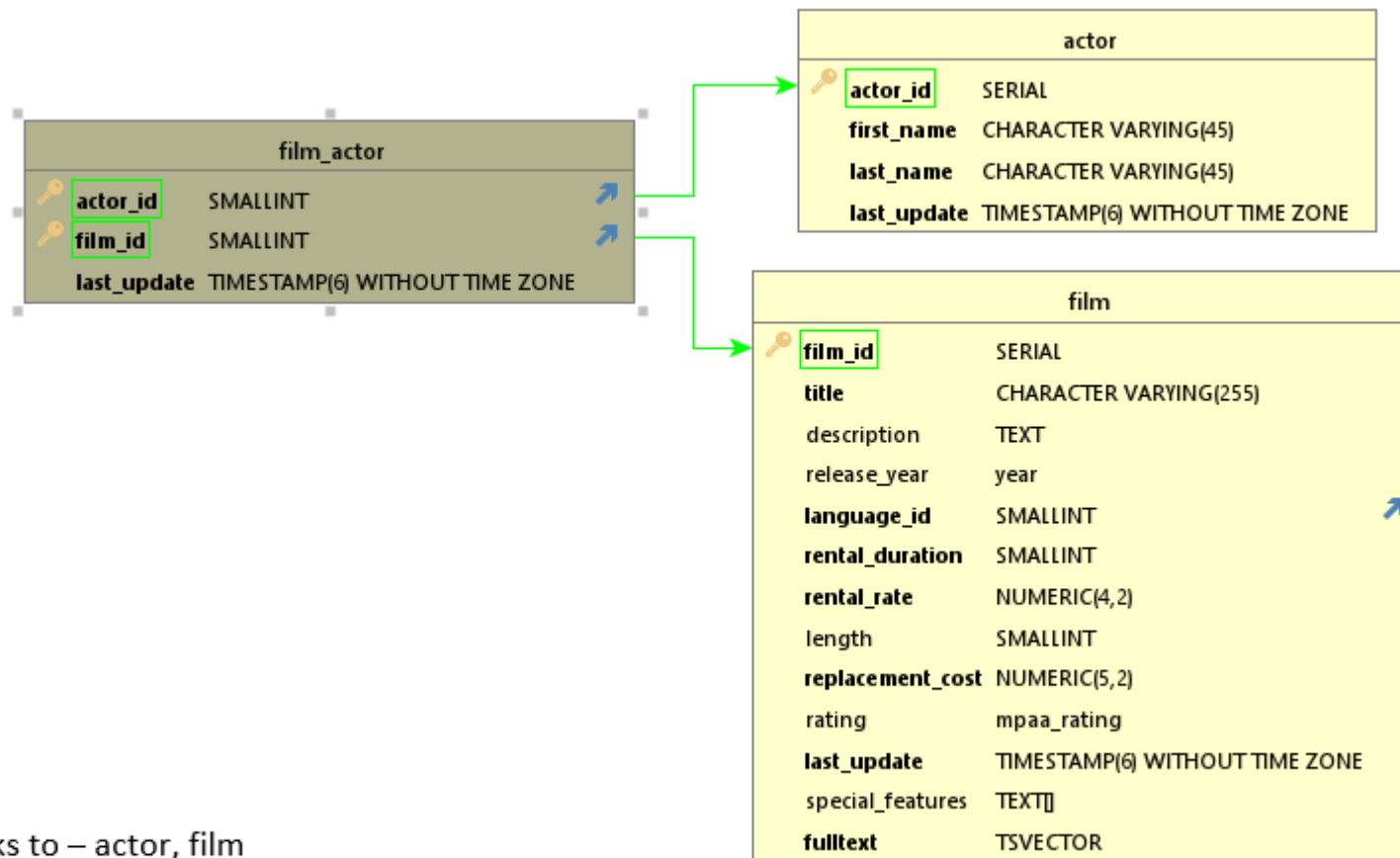


Film

film_id	SERIAL	film ID number
title	CHARACTER VARYING(255)	title of the film
description	TEXT	description of the film
release_year	YEAR	year film was released
language_id	SMALLINT	language film was made in
rental_duration	SMALLINT	how long the film has been rented for
rental_rate	NUMERIC(4,2)	how much the customer has been charged for rental
length	SMALLINT	length of film
replacement_cost	NUMERIC(5,2)	how much film will costs if lost
rating	MPAA_RATING	US rating of film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated
special_features	TEXT[]	special features available on DVD
fulltext	TSVECTOR	keywords

Links from – inventory, film_category, film_actor

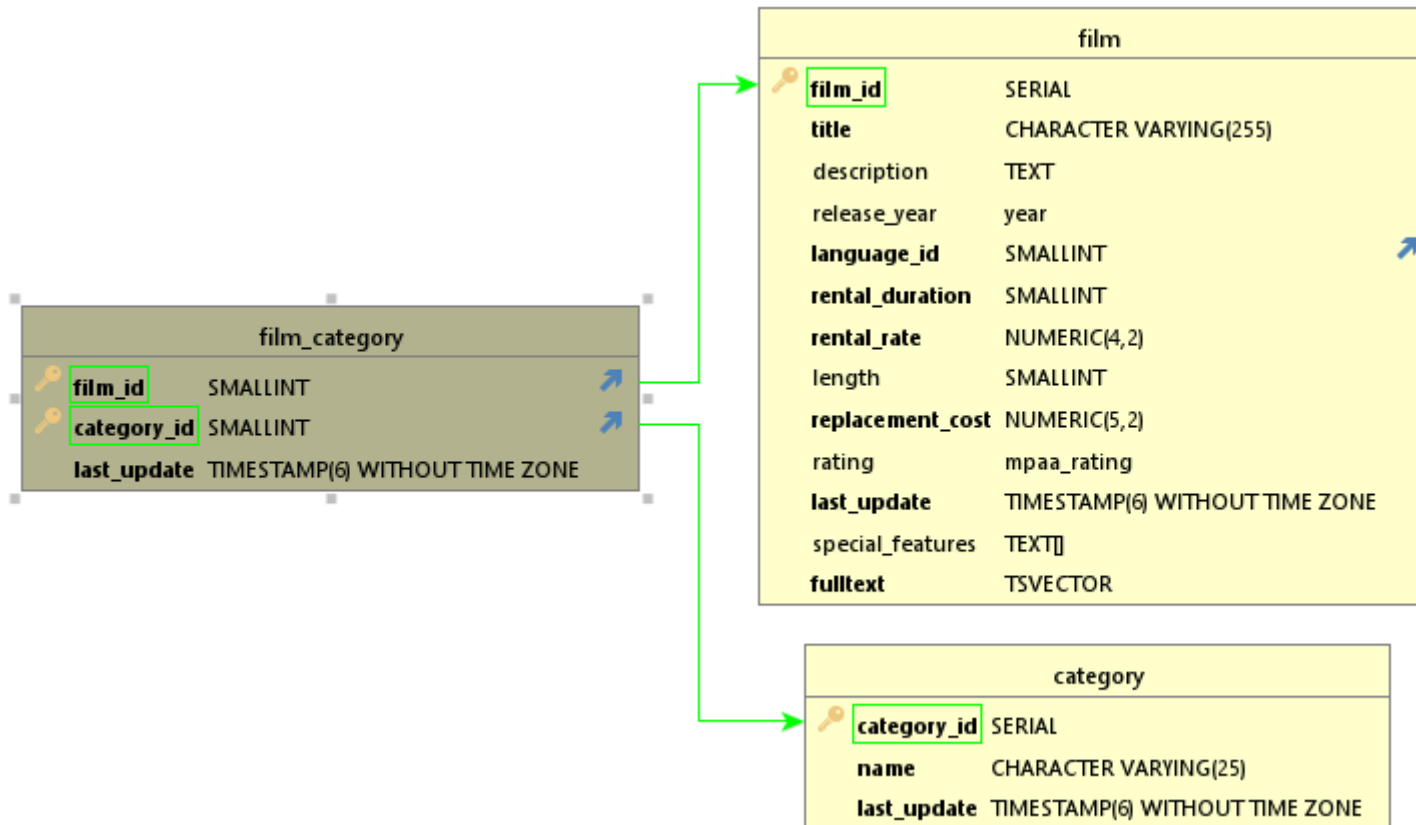
Links to - language



Links to – actor, film

Film Actor

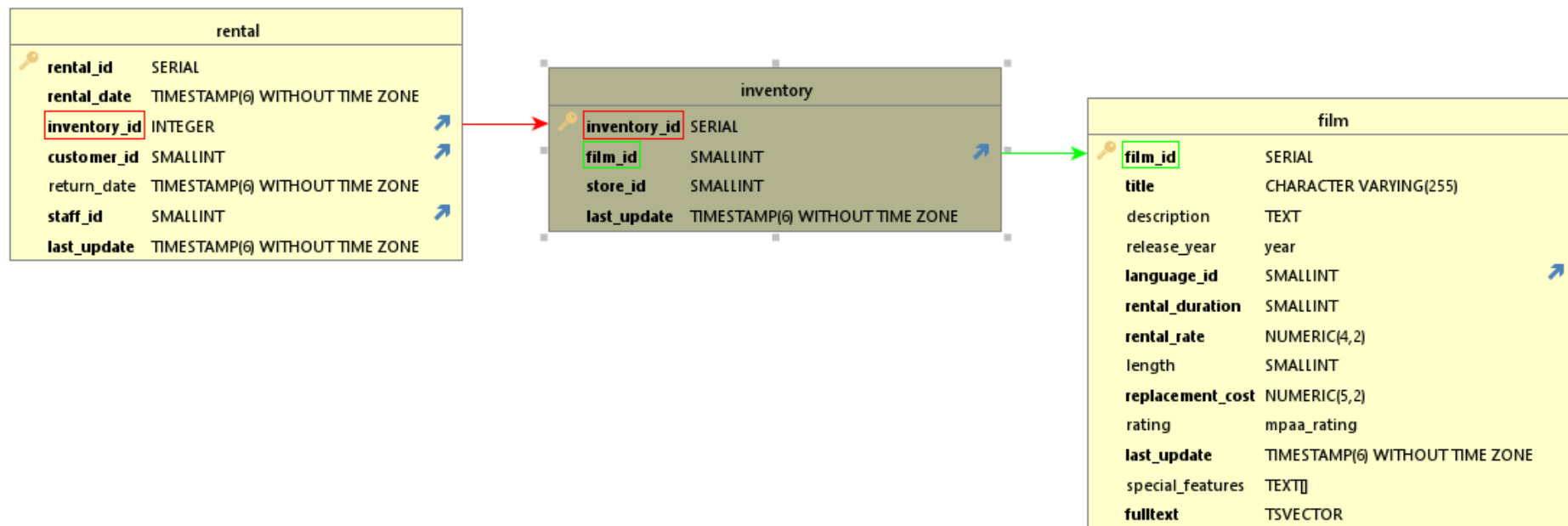
actor_id	SMALLINT	ID number assigned to actor
film_id	SMALLINT	film ID number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated



Film Category

film_id	SMALLINT	film ID number
category_id	SMALLINT	ID of category movie is in
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

Links to – category, film

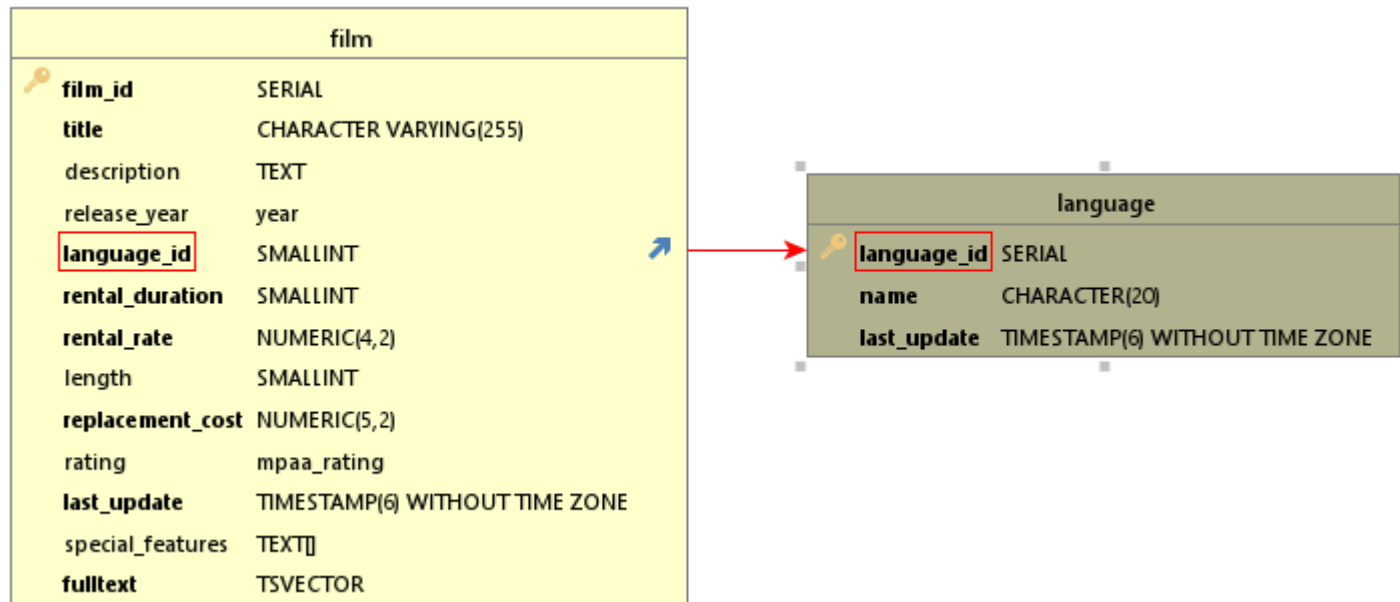


Links from – rental

Links to –film

Inventory

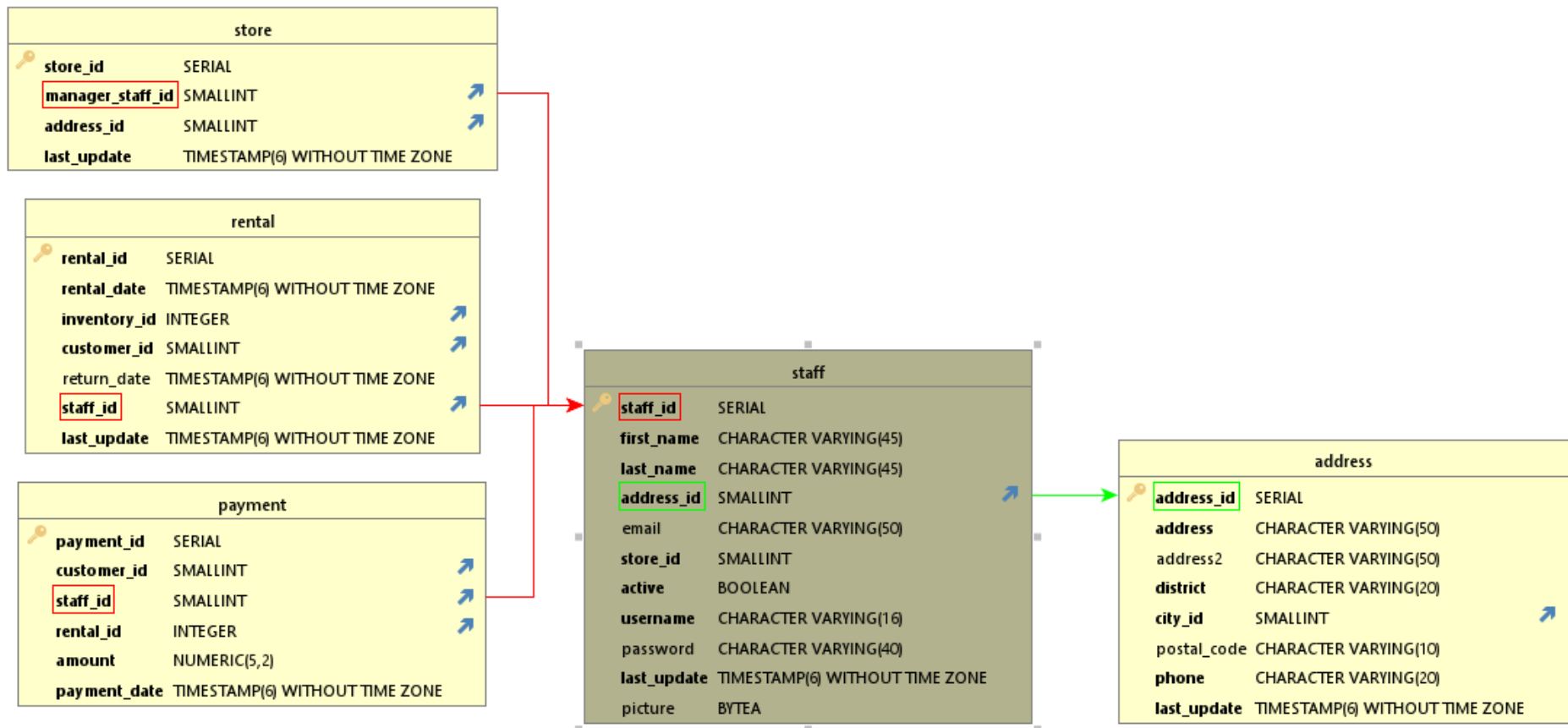
inventory_id	SERIAL	ID of product
film_id	SMALLINT	film ID number
store_id	SMALLINT	ID number of store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated



Language

language_id	SERIAL	language film was made in
name	CHARACTER(20)	name of language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

Links from – film

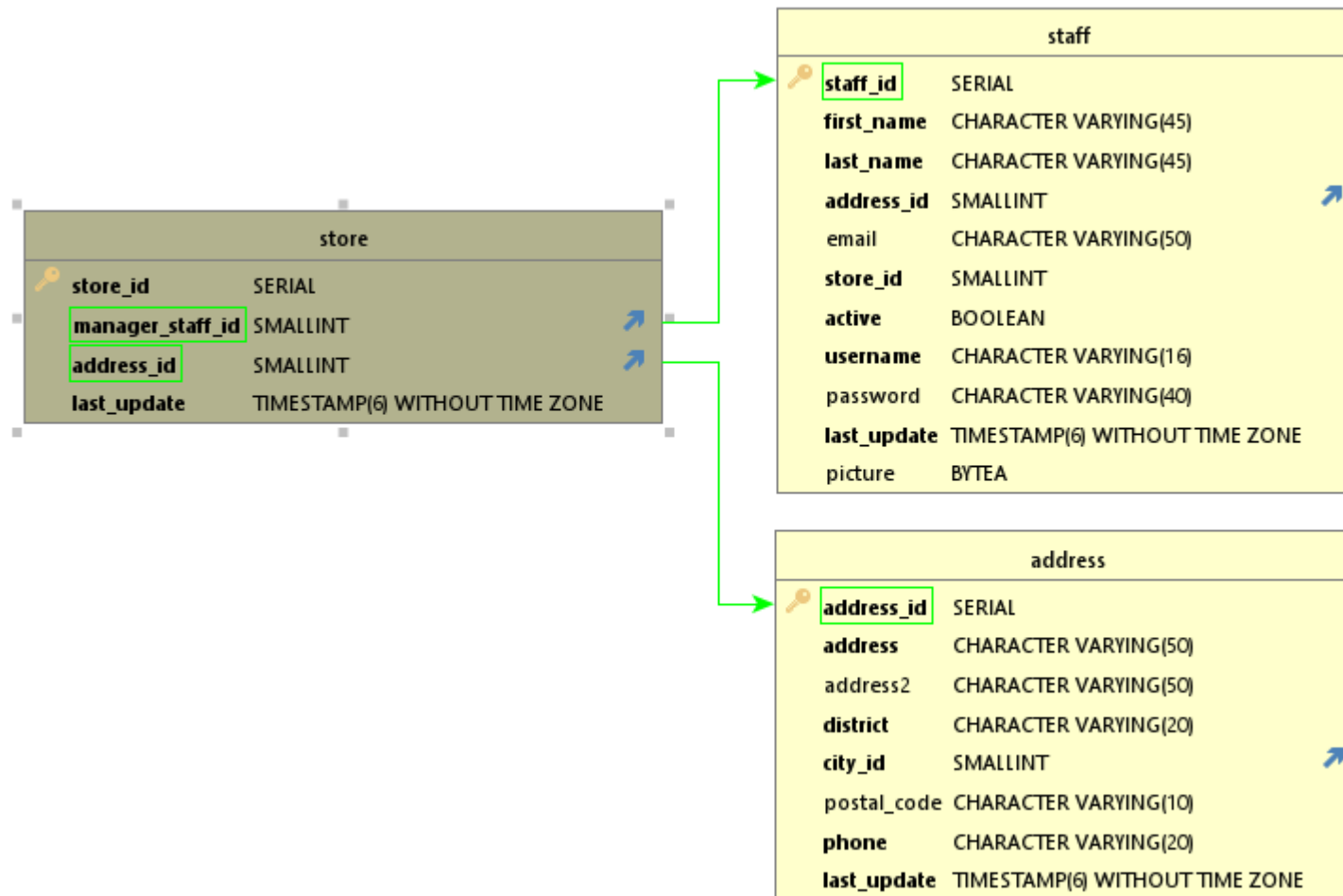


Staff

staff_id	SERIAL	staff number ID
first_name	CHARACTER VARYING(45)	first name of staff member
last_name	CHARACTER VARYING(45)	last name of staff member
address_id	SMALLINT	address of staff member
email	CHARACTER VARYING(50)	email address of staff member
store_id	SMALLINT	store ID where customer was working
active	BOOLEAN	If the staff member is currently active (employed)
username	CHARACTER VARYING(16)	name staff member uses to log into system
password	CHARACTER VARYING(40)	password staff member uses
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated
picture	BYTEA	picture of staff member

Links from – store, rental, payment


Links to –address



Store

store_id	SERIAL	ID number of store
manager_staff_id	SMALLINT	mangager staff number ID
address_id	SMALLINT	address of store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time transaction was last updated

Links to –staff, address

employees	
 employee_id	CHARACTER VARYING(30)
name	CHARACTER VARYING(50)
contact_number	CHARACTER VARYING(30)
designation_id	INTEGER
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Employees

employee_id	CHARACTER VARYING (30)	employee id number
name	CHARACTER VARYING (50)	name of employee
contact_number	CHARACTER VARYING (30)	contact number of employee
designation_id	INTEGER	location of employee
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time entry was last updated