[DATA DICTIONARY]

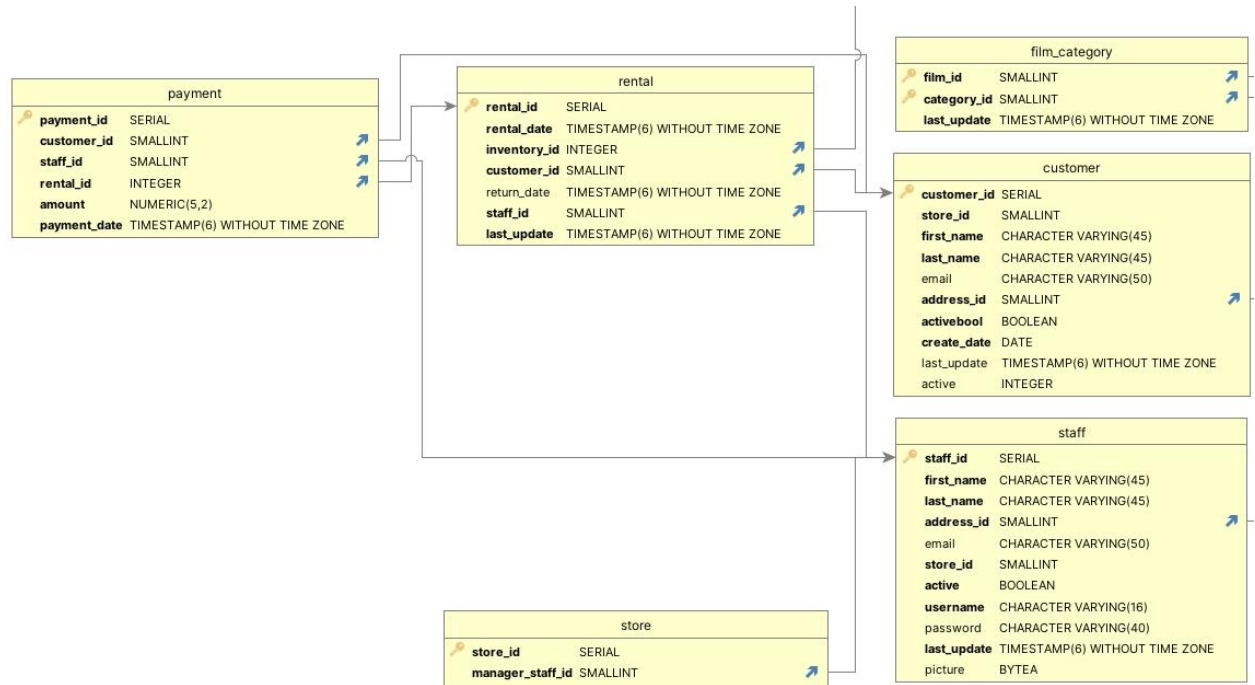Jonathan Tran

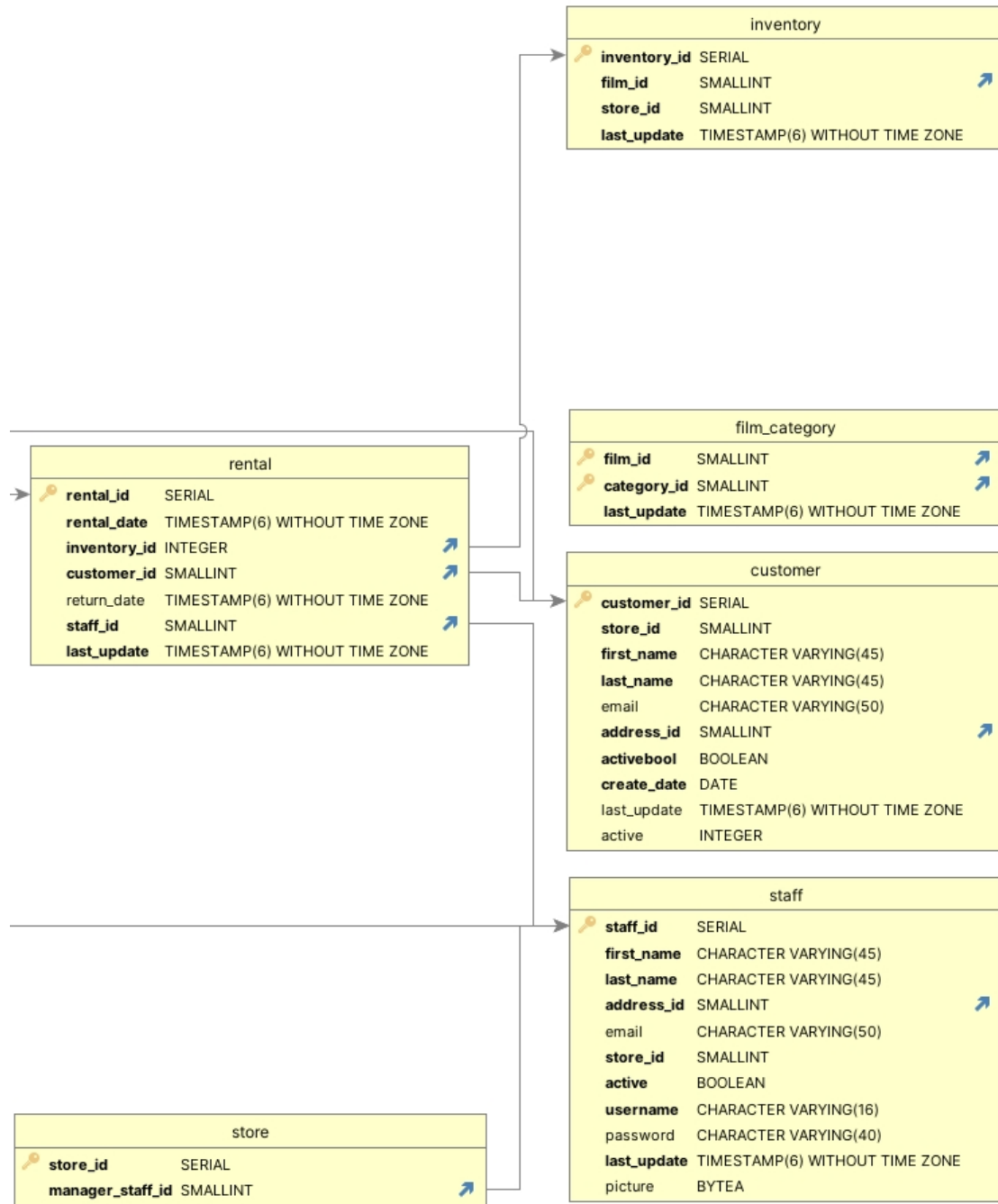[ROCKBUSTER]

Table of Contents

1. Legend

🔑 Unique Key

2. RockBuster

a) This is a data dictionary based off the RockBuster SQL database.

b) This company is a fictional movie rental company. The data included in this database include sales, products (films), customers, and stores.

3. Payment, Rental, and Store Tables

Payment Table		
Columns	Data Type	Description
🔑 Payment_id	Integer	Unique ID of payment; Used to identify unique payments
Customer_id	Smallint	Unique ID of customer; Used to identify unique customers
Staff_id	Smallint	Unique ID of staff; Used to identify unique staff
Rental_id	Integer	Unique ID of rental; Used to identify unique rentals
Amount	Numeric(5,2)	Payment amount
Payment_date	Timestamp without Timezone	Date of payment

inventory

🔑 **inventory_id**	SERIAL	
film_id	SMALLINT	↗
store_id	SMALLINT	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	

film_category

🔑 **film_id**	SMALLINT	↗
🔑 **category_id**	SMALLINT	↗
last_update	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	

store

🔑 **store_id**	SERIAL	
manager_staff_id	SMALLINT	↗

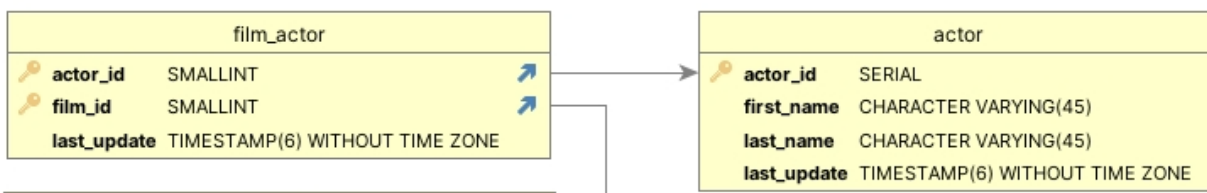| Rental Table		
Columns	**Data Type**	**Description**
🔑 Rental_id	Integer	Unique ID of rental; Used to identify unique rentals
Rental_date	Timestamp without Timezone	Date of rental
Inventory_id	Integer	Unique ID of inventory; Used to identify unique inventory
Customer_id	Smallint	Unique ID of customer; Used to identify unique customers
Return_date	Timestamp without Timezone	Date of return
Staff_id	Smallint	Unique ID of staff; Used to identify unique staff
Last_update	Timestamp without Timezone	Date/Time of last update
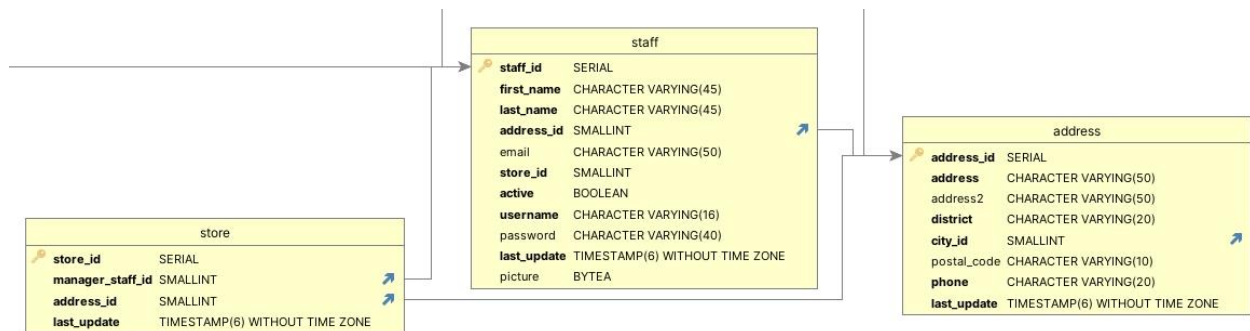
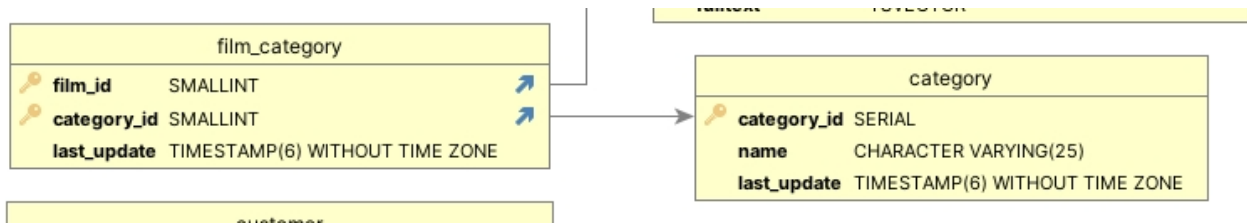| Store Table		
Columns	**Data Type**	**Description**
🔑 Store_id	Smallint	Unique ID of the store; Used to identify unique store locations
Manager_staff_id	Smallint	Unique ID of Manager; Used to identify managers of stores
Address_id	Smallint	Unique ID of address; Used to identify unique location addresses
Last_update	Timestamp without Timezone	Date/Time of last update

4. Film Tables
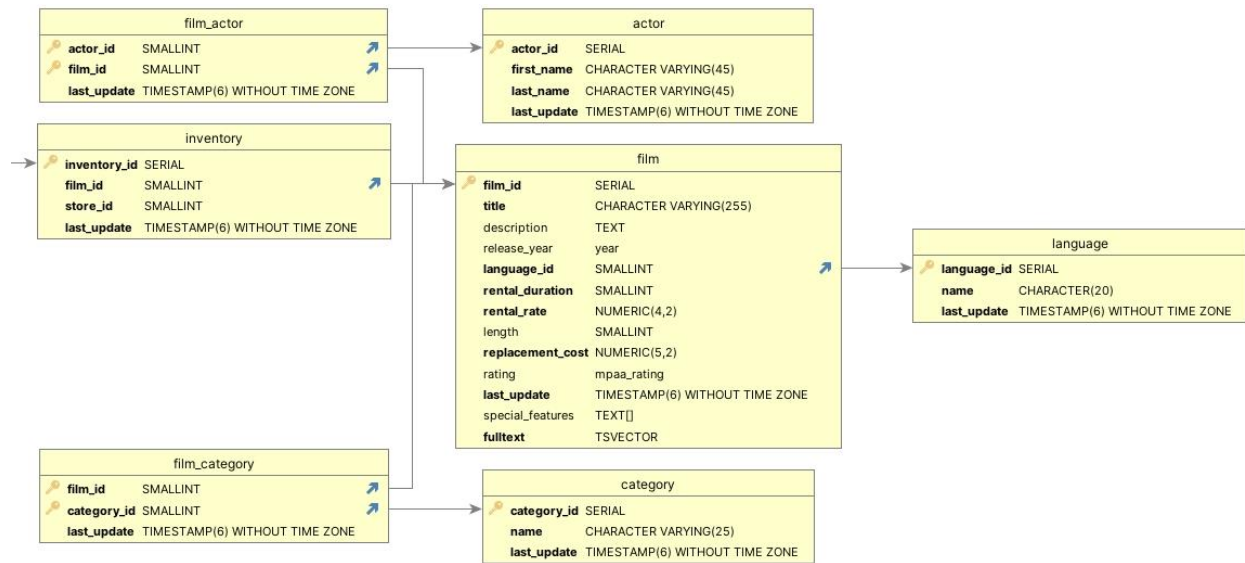
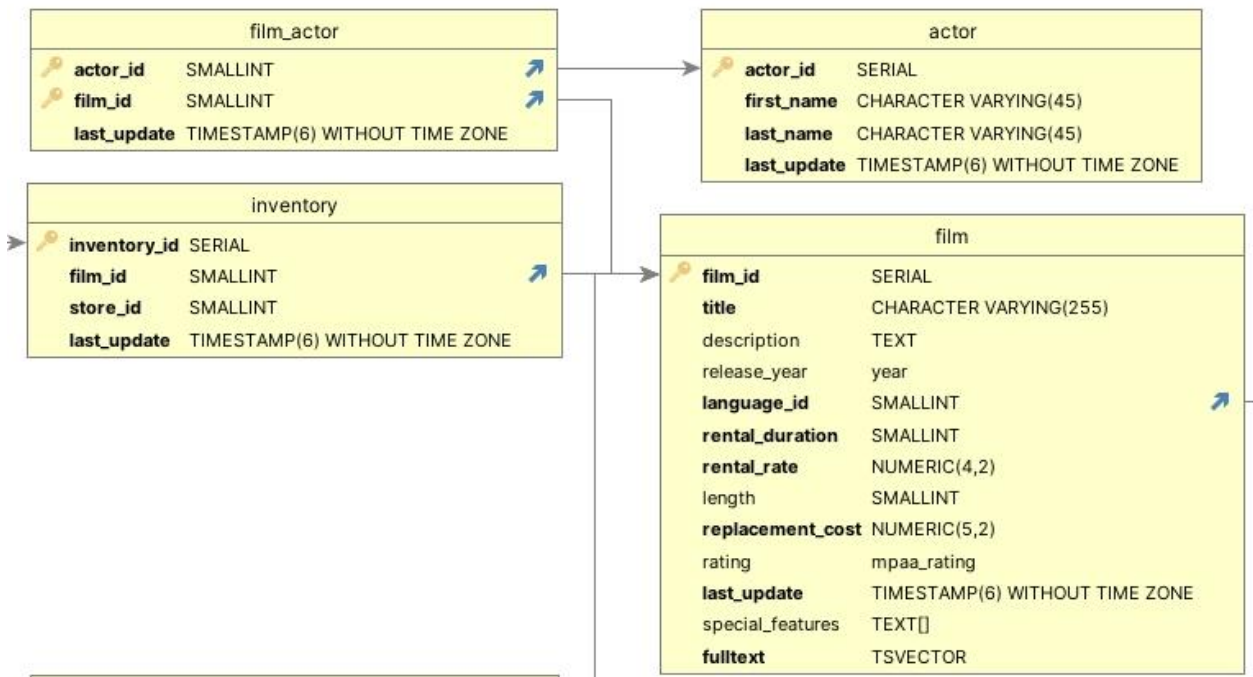<table>
<tr><td colspan="3" align="center">Film Table</td></tr>
<tr><td colspan="2">Columns</td><td>Data Type</td><td>Description</td></tr>
</table>

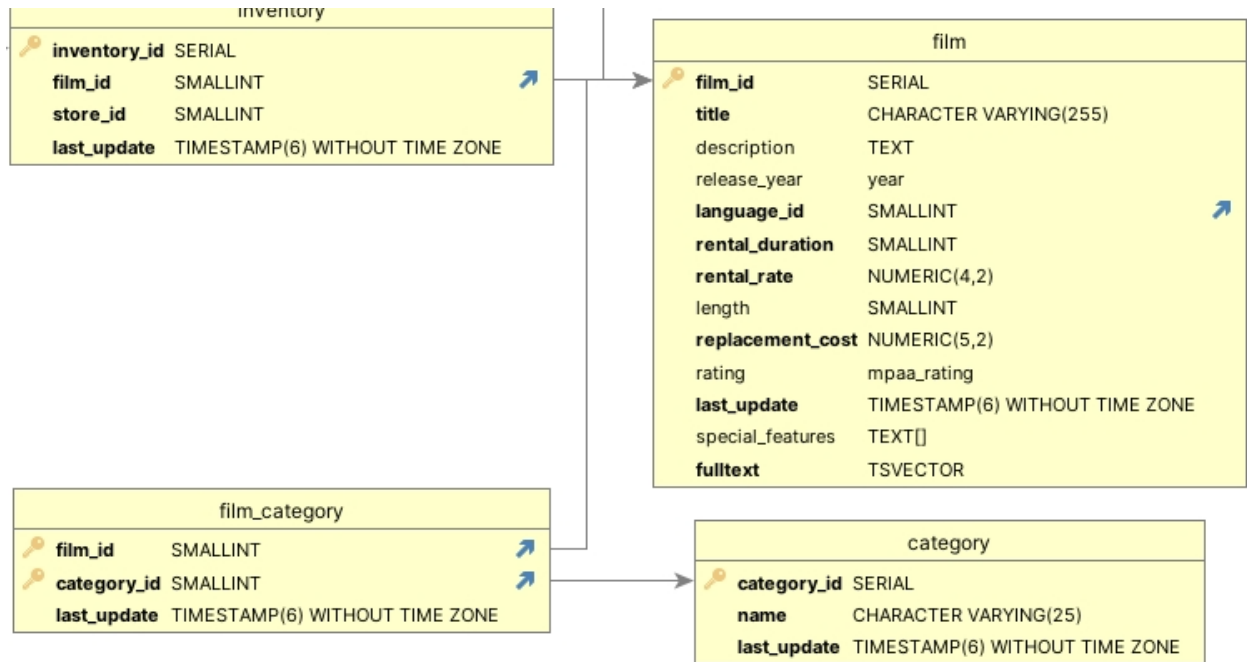|	Columns	Data Type	Description
🔑	Film_id	Smallint	Unique ID of film; Used to identify unique films
	Title	Character Varying	Title of film
	Description	Text	Description of film
	Release_year	Year	Year film was released
	Language_id	Smallint	Unique ID of film's language
	Rental_duration	Smallint	Duration of rental
	Rental_rate	Numeric	Cost of rental
	Length	Smallint	Length of film
	Replacement_cost	Numeric	Cost to replace rental
	Rating	Mpaa_rating	Rating of the film
	Last_update	Timestamp without Timezone	Date/Time of last update
	Special_features	Text	Special features included with the film
	Fulltext	TSVector	Index for commonly used words in film

| Actor Table		
Columns	**Data Type**	**Description**
🔑 Actor_id	Smallint	Unique ID of actor; Used to identify unique actors
First_name	Character Varying	First name of actor
Last_name	Character Varying	Last name of actor
Last_update	Timestamp without Timezone	Date/Time of last update

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

| Category Table		
Columns	**Data Type**	**Description**
🔑 Category_id	Smallint	Unique ID of the film's category; Used to identify unique film categories
Name	Character varying	Name of the category
Last_update	Timestamp without Timezone	Date/Time of last update

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

Film_actor Table		
Columns	**Data Type**	**Description**
🔑 Actor_id	Smallint	Unique ID of actor; Used to identify unique actors
🔑 Film_id	Smallint	Unique ID of film; Used to identify unique films
Last_update	Timestamp without Timezone	Date/Time of last update

| Film_category Table		
Columns	**Data Type**	**Description**
🔑 Film_id	Smallint	Unique ID of the film; Used to identify unique films
🔑 Category_id	Smallint	Unique ID of the film's category; Used to identify unique film categories
Last_update	Timestamp without Timezone	Date/Time of last update
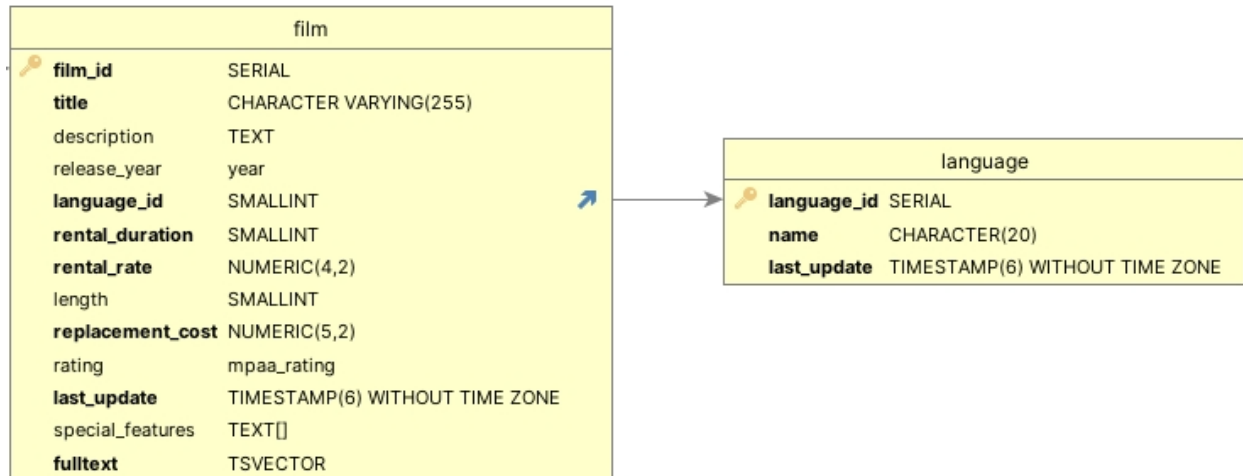
Language Table

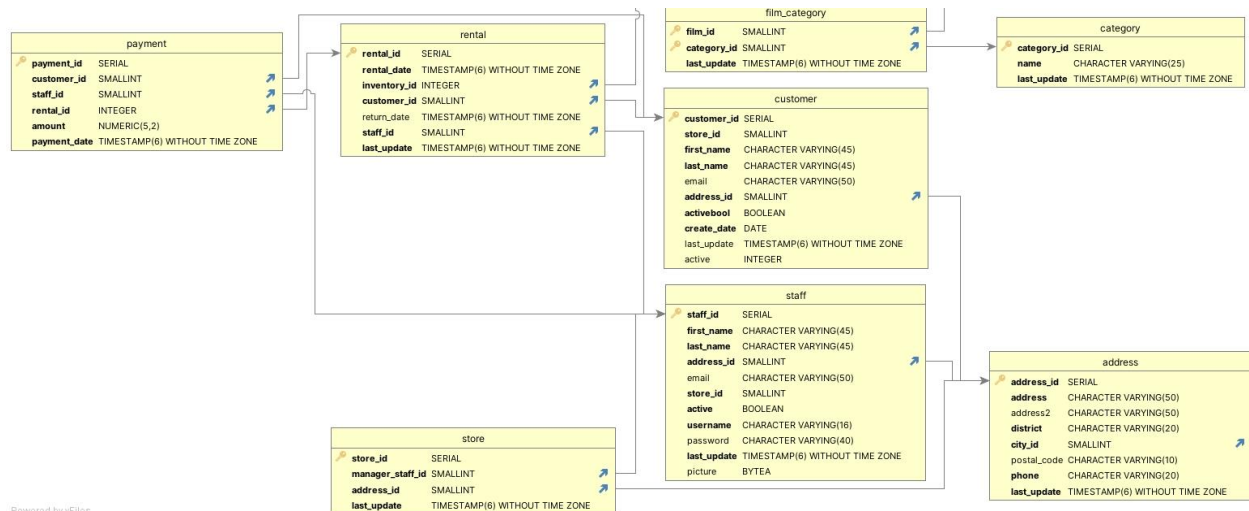|	Columns	Data Type	Description
🔑	Language_id	Smallint	Unique ID of film's language; Used to identify unique film language
	Name	Character	Name of language
	Last_update	Timestamp without Timezone	Date/Time of last update
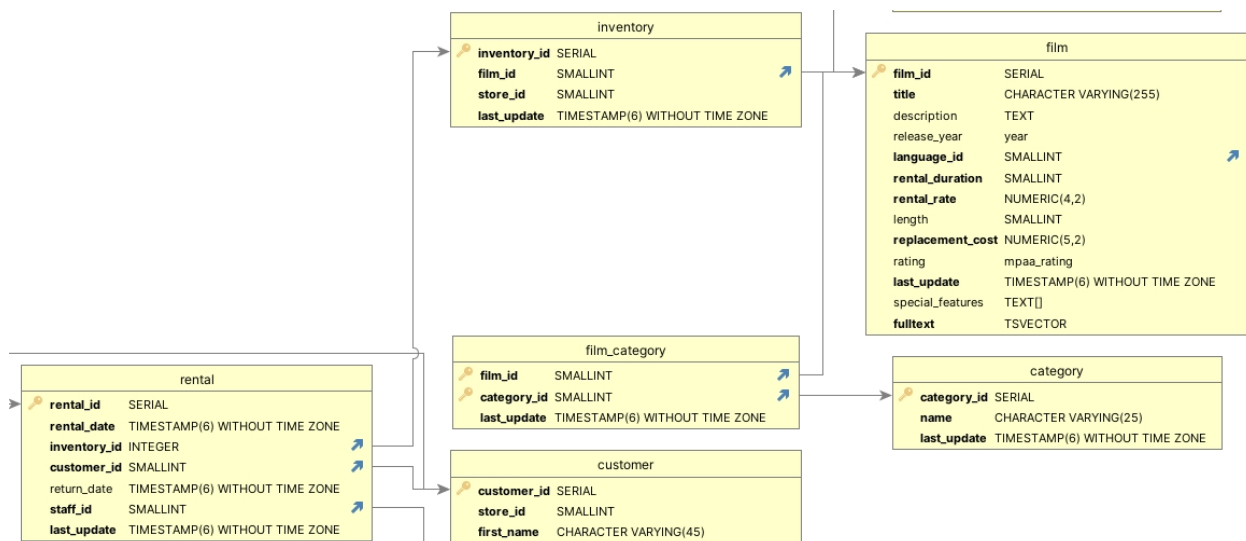
| Inventory Table		
Columns	**Data Type**	**Description**
🔑 Inventory_id	Integer	Unique ID of inventory; Used to identify unique inventory
Film_id	Smallint	Unique ID of film; Used to identify unique films
Store_id	Smallint	Unique ID of store; Used to identify unique store locations
Last_update	Timestamp without Timezone	Date/Time of last update

5. Customer and Staff Tables
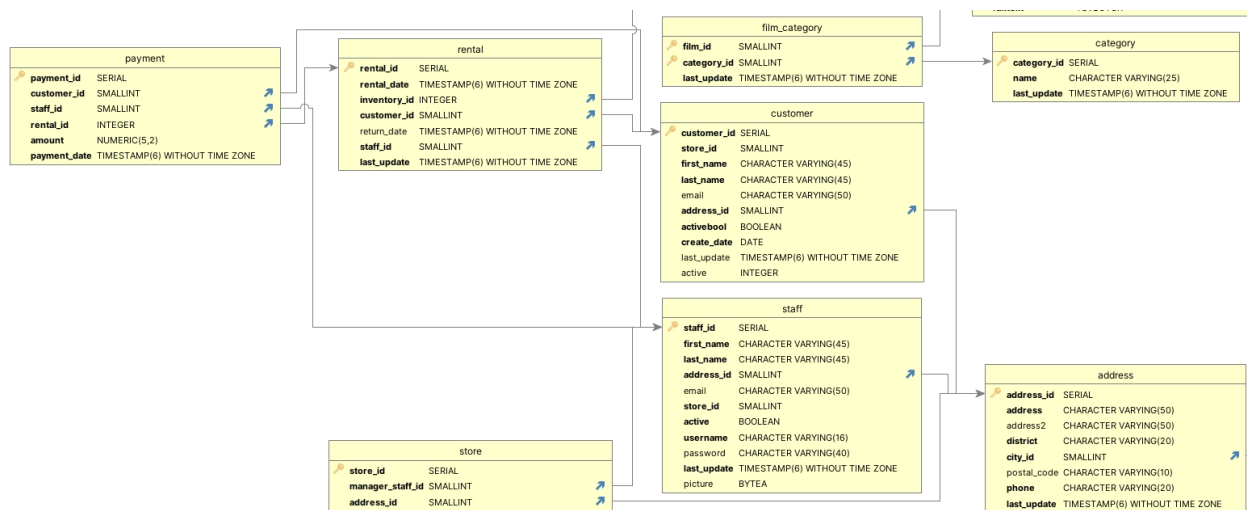
| Customer Table		
Columns	**Data Type**	**Description**
🔑 Customer_id	Smallint	Unique ID of the customer; Used to identify unique customers
Store_id	Smallint	Unique ID of the store; Used to identify unique store locations
First_name	Character varying	First name of the customer
Last_name	Character varying	Last name of the customer
Email	Character varying	Email Address of the customer
Address_id	Smallint	Unique ID of customer's address; Used to identify unique location addresses
Activebool	Boolean	Denoting if customer is active
Create_date	Date	Date customer created account
Last_update	Timestamp without Timezone	Date/Time of last update
Active	Integer	Active status of account denoted by 0/1

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Staff Table		
Columns	**Data Type**	**Description**
🔑 Staff_id	Smallint	Unique ID of staff member; Used to identify unique staff
First_name	Character varying	First name of staff
Last_name	Character varying	Last name of staff
Address_id	Smallint	Unique ID of address; Used to identify unique location addresses
Email	Character varying	Email address of staff
Store_id	Smallint	Unique ID of store; Used to identify unique store locations
Active	Boolean	Denoting if staff is active
Username	Character varying	Username of staff member
Password	Character varying	Password of staff member
Last_update	Timestamp without Timezone	Date/Time of last update
Picture	Bytea	Picture of staff member

6. Address Tables
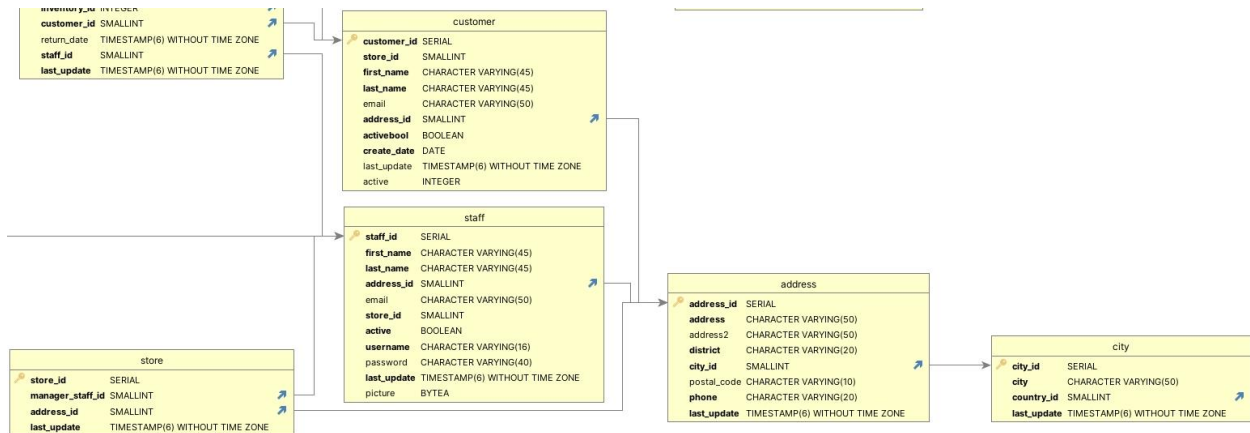
<table>
<tr><th colspan="3">Address Table</th></tr>
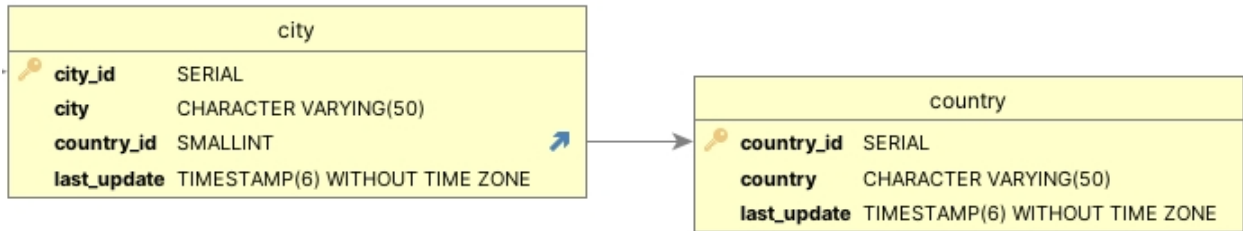<tr><th>Columns</th><th>Data Type</th><th>Description</th></tr>
<tr><td>🔑 Address_id</td><td>Smallint</td><td>Unique ID of address; Used to identify unique location addresses</td></tr>
<tr><td>Address</td><td>Character varying</td><td>Listed address</td></tr>
<tr><td>Address2</td><td>Character varying</td><td>Additional information for listed address</td></tr>
<tr><td>District</td><td>Character varying</td><td>District of listed address</td></tr>
<tr><td>City_id</td><td>Smallint</td><td>Unique ID of city; Used to identify unique cities</td></tr>
<tr><td>Postal_code</td><td>Character varying</td><td>Postal code for listed address</td></tr>
<tr><td>Phone</td><td>Character varying</td><td>Phone number associated with listed address</td></tr>
<tr><td>Last_update</td><td>Timestamp without Timezone</td><td>Date/Time of last update</td></tr>
</table>
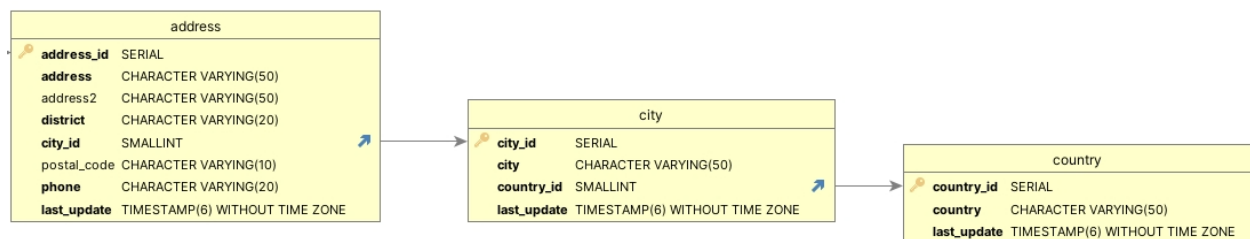
<table>
<tr><th colspan="3">City Table</th></tr>
<tr><th>Columns</th><th>Data Type</th><th>Description</th></tr>
<tr><td>🔑 City_id</td><td>Smallint</td><td>Unique ID of city; Used to identify unique cities</td></tr>
<tr><td>City</td><td>Character varying</td><td>Name of city</td></tr>
<tr><td>Country_id</td><td>Smallint</td><td>Unique ID of country; Used to identify unique countries</td></tr>
<tr><td>Last_update</td><td>Timestamp without Timezone</td><td>Date/Time of last update</td></tr>
</table>

Country Table		
Columns	**Data Type**	**Description**
🔑 Country_id	Smallint	Unique ID of country; Used to identify unique countries
Country	Character varying	Name of country
Last_update	Timestamp without Timezone	Date/Time of last update