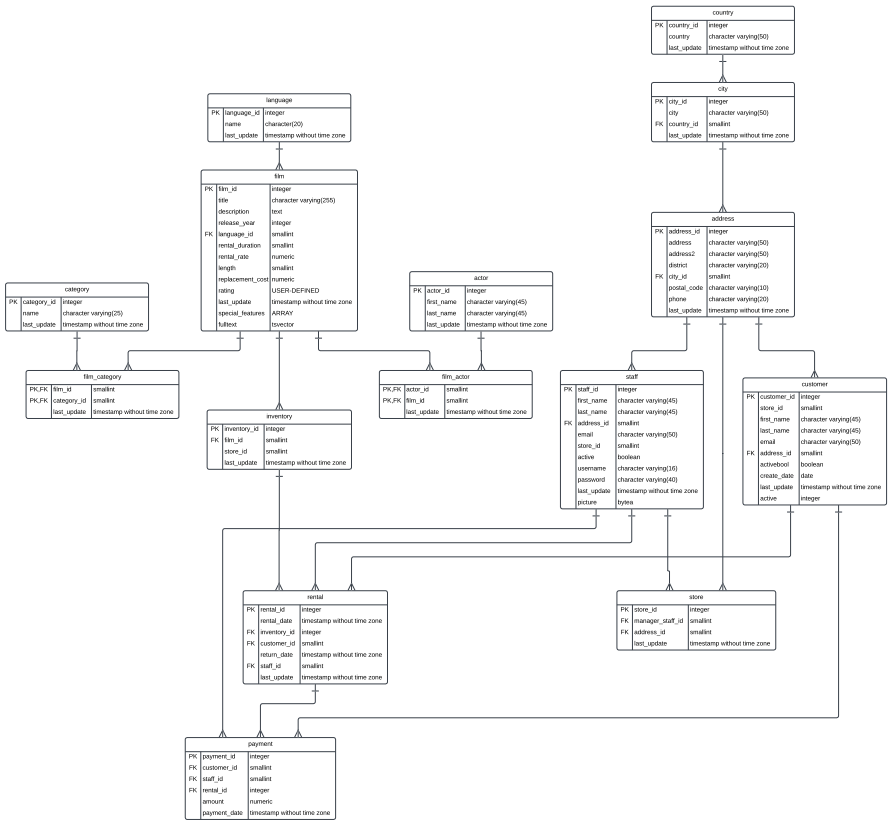
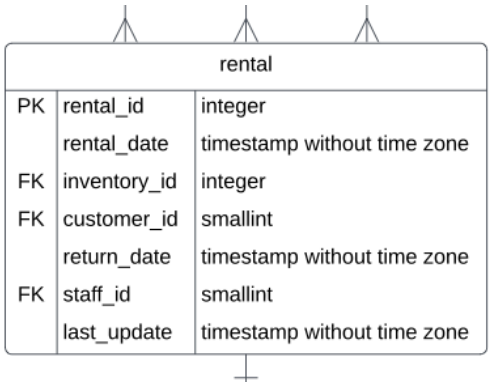


Step 3. Create the first draft of a data dictionary:

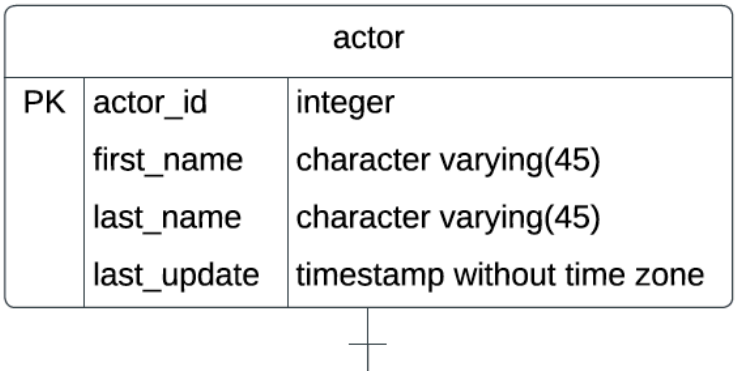
- Take a moment to examine your ERD. Does the Rockbuster database have a snowflake schema or a star schema? Write a brief explanation for your answer.
    - This is a snowflake scheam, as it was represented by a centrialized fact table which connects to multiple dimensions.
- List all the fact tables and all the dimension tables in the schema. For each table, list every column and its data type, and write a brief description of the column. To get an idea of what this should look like, check out these example fact

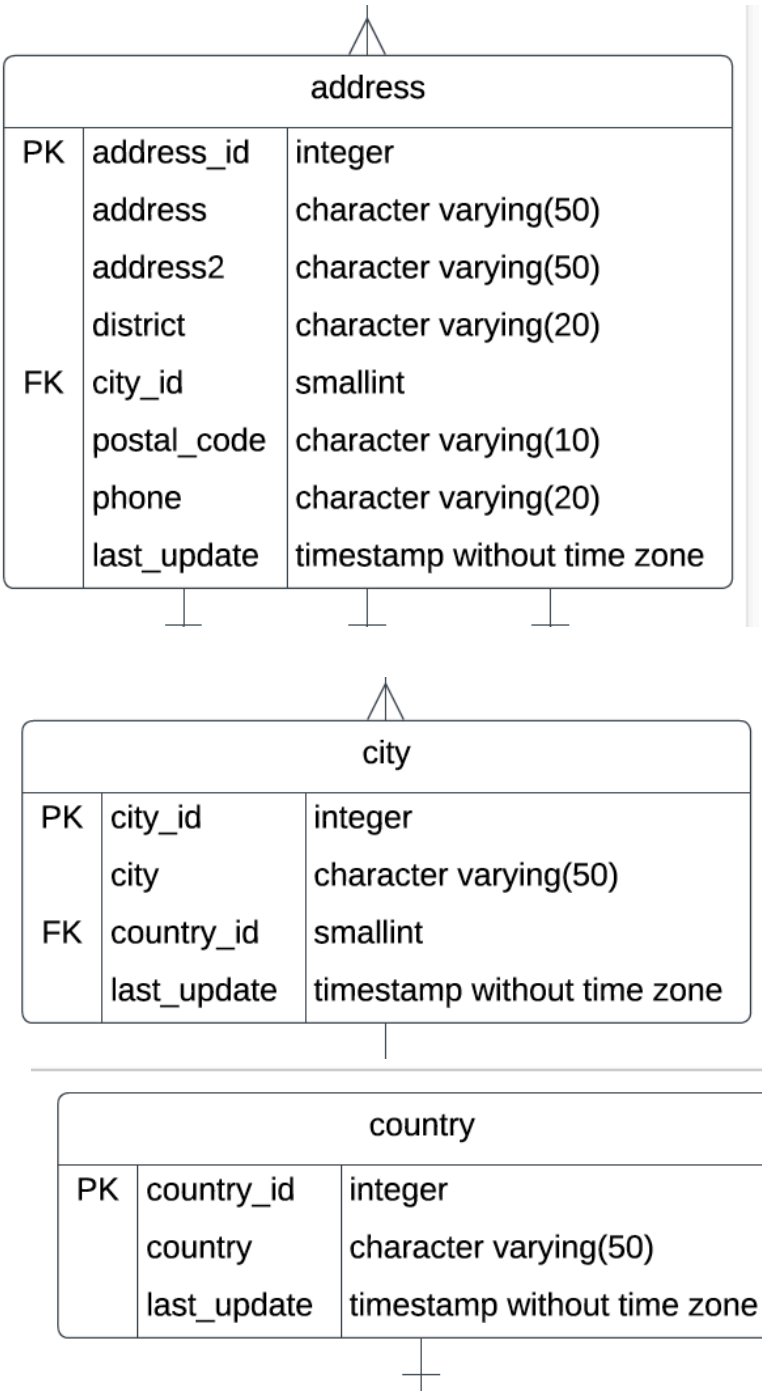
and dimension tables.

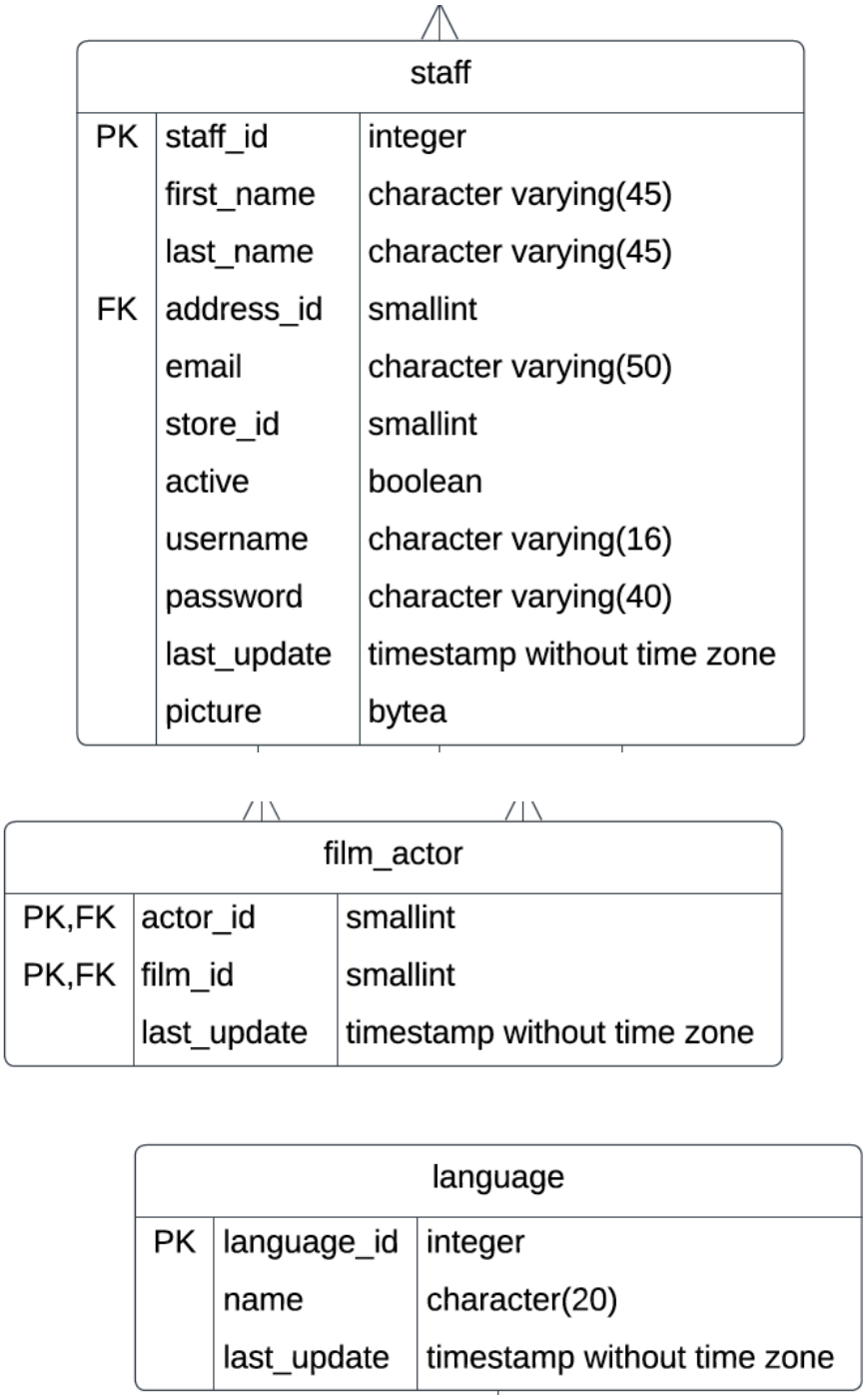
- Fact Table

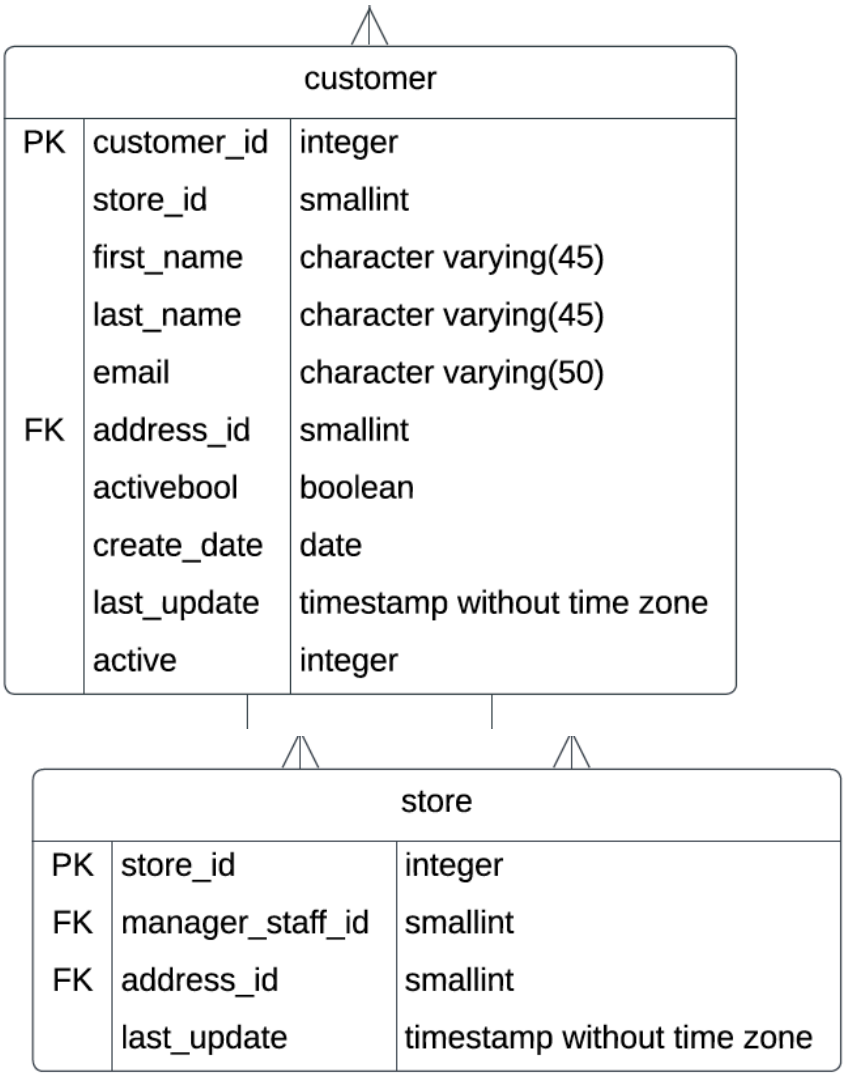


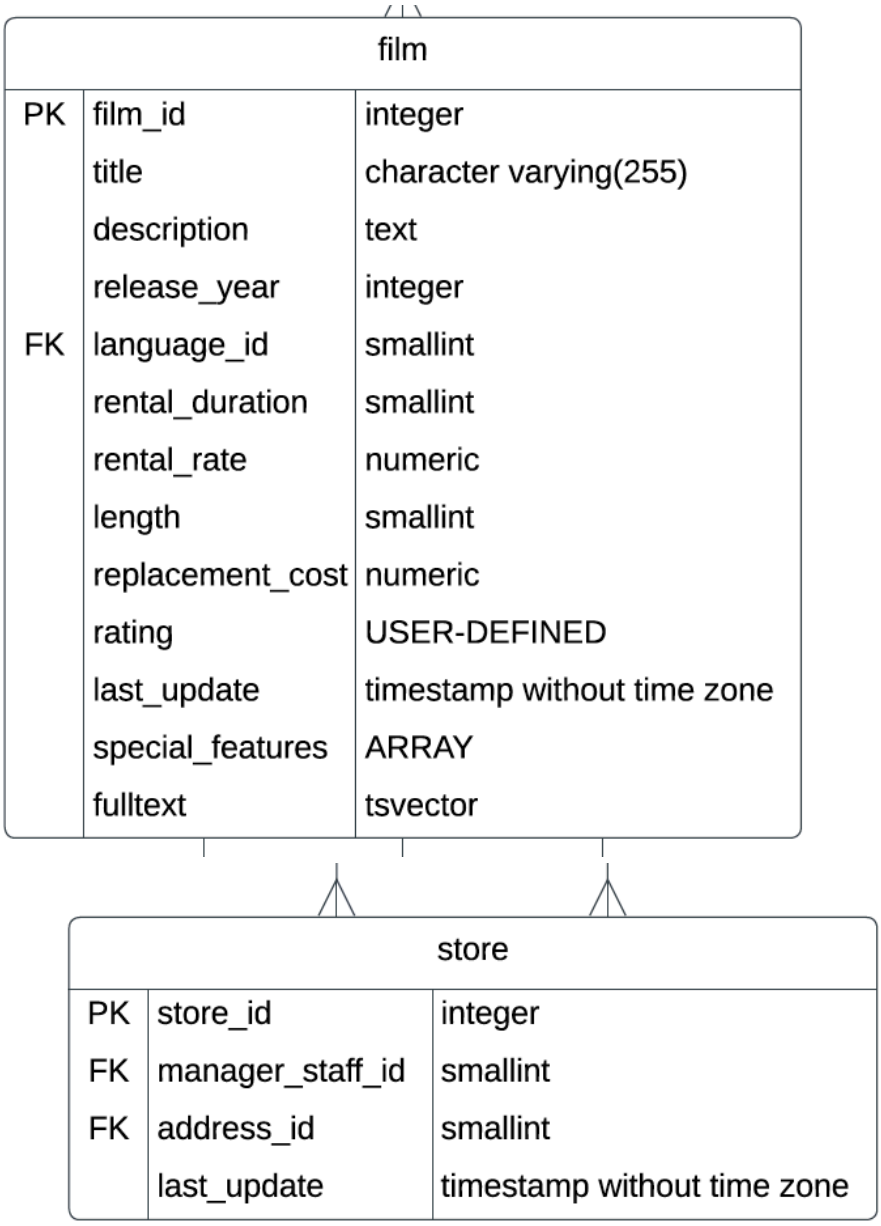
- Dimension Table

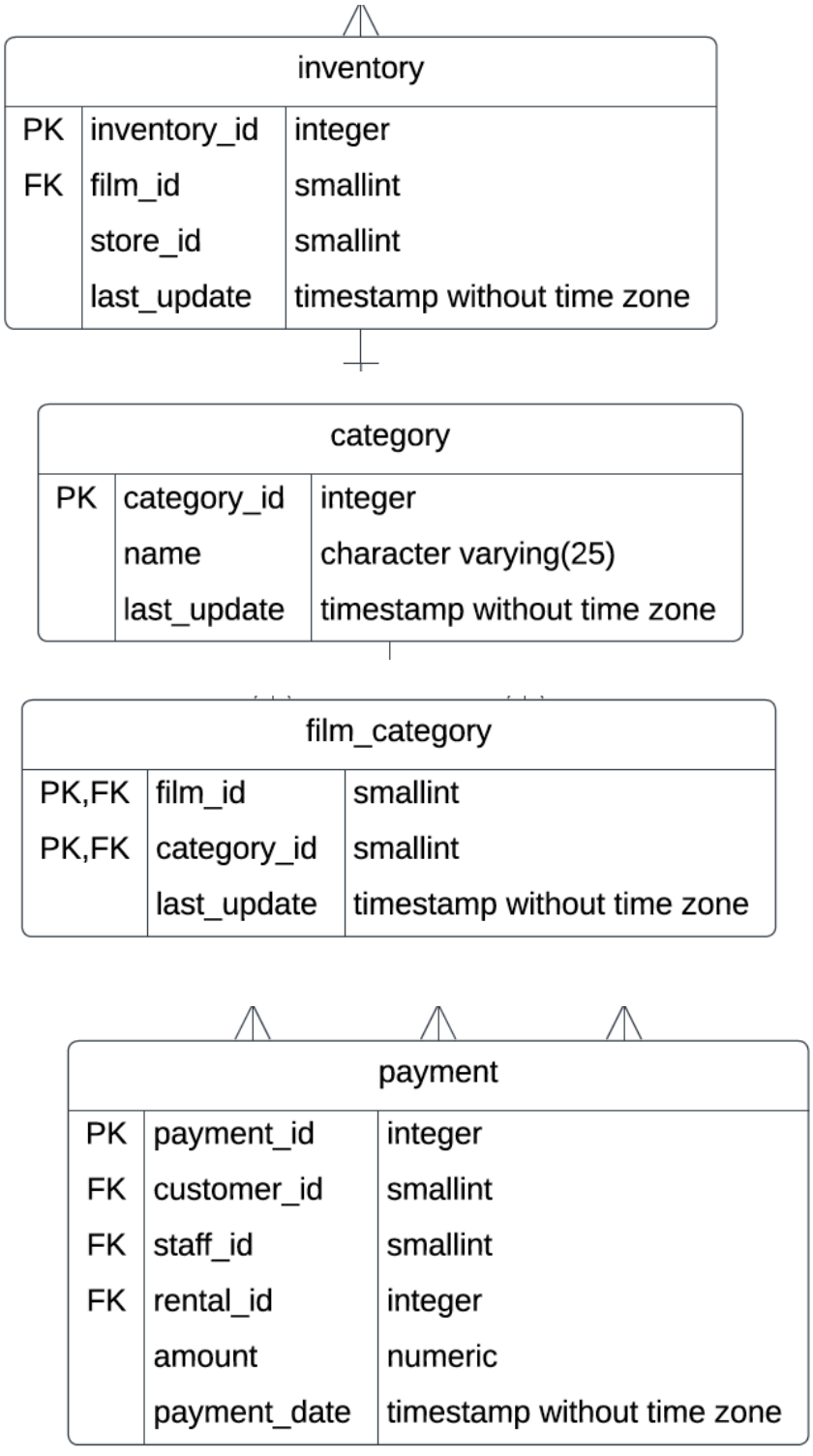



address
PK address_id integer
address character varying(50)
address2 character varying(50)
district character varying(20)
FK city_id smallint
postal_code character varying(10)
phone character varying(20)
last_update timestamp without time zone
city
PK city_id integer
city character varying(50)
FK country_id smallint
last_update timestamp without time zone
country
PK country_id integer
country character varying(50)
last_update timestamp without time zone


staff
PK staff_id integer
first_name character varying(45)
last_name character varying(45)
FK address_id smallint
email character varying(50)
store_id smallint
active boolean
username character varying(16)
password character varying(40)
last_update timestamp without time zone
picture bytea
film_actor
PK,FK actor_id smallint
PK,FK film_id smallint
last_update timestamp without time zone
language
PK language_id integer
name character(20)
last_update timestamp without time zone


customer
PK
customer_id
integer
store_id
smallint
first_name
character varying(45)
last_name
character varying(45)
email
character varying(50)
FK
address_id
smallint
activebool
boolean
create_date
date
last_update
timestamp without time zone
active
integer
store
PK
store_id
integer
FK
manager_staff_id
smallint
FK
address_id
smallint
last_update
timestamp without time zone


film
PK
film_id
integer
title
character varying(255)
description
text
release_year
integer
FK
language_id
smallint
rental_duration
smallint
rental_rate
numeric
length
smallint
replacement_cost
numeric
rating
USER-DEFINED
last_update
timestamp without time zone
special_features
ARRAY
fulltext
tsvector
store
PK
store_id
integer
FK
manager_staff_id
smallint
FK
address_id
smallint
last_update
timestamp without time zone



- If a column name doesn't tell you enough to write a description, you can also view the tables in pgAdmin 4.

The SQL syntax for selecting a table is `SELECT * FROM table_name`. So `SELECT * FROM film` would return the film table, for example.

- The names are clear to me, no need to write description.

Step 4. Find information:

Now that your data dictionary and ERD are ready to use, your manager has given you a list of business questions to answer. Use your data dictionary to figure out which tables you'd need to answer the questions below:

- Which actors brought Rockbuster the most revenue?
    - we can finds this informtion by joining the actor table, film_actor table, film table, inventory table, rental table and payment table to get that informaiton
- What language are the majority of movies in the collection?
    - we can find this information join language table, film table and inventory table through language_id and film_id as a connector.