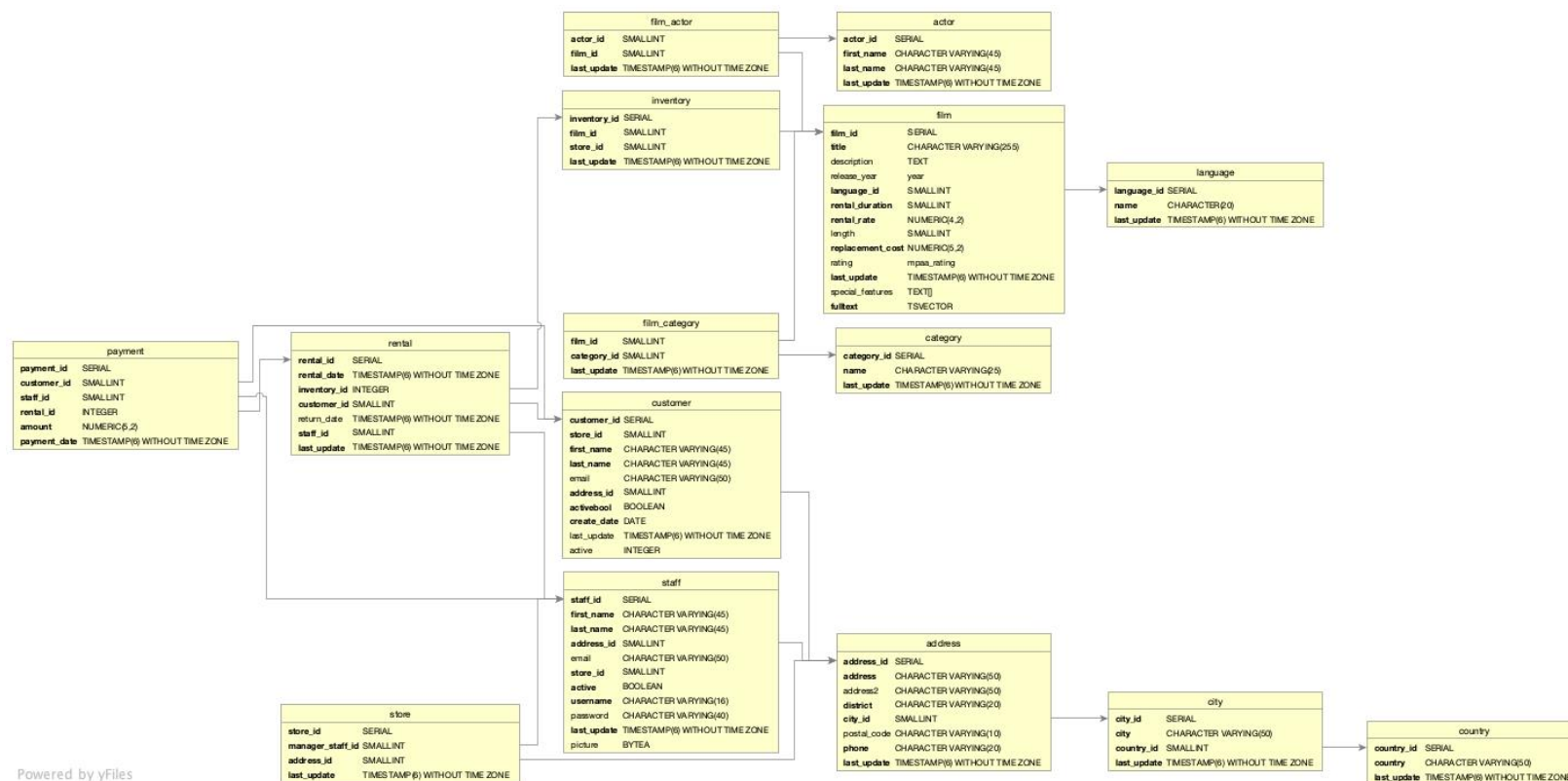


## 3.2: Data Storage & Structure

### Answers 3.2.

Step 2. Extract the ERD:



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.

*The table looks a bit like a snowflake and also and more importantly, is surrounded by sub-dimension tables like the one from city > county*

- 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		
Table Name	Rental	
Columns	Data Type	Description
rental_id	Serial	The unique id assigned to each movie rental
rental_date	Time Stamp (6) Without Time Zone	The date and time of when it was rented out
inventory_id	Integer	The id assigned for record keeping
customer_id	Smallint	Customer id to whom the movie was issued
return_date	Time Stamp (6) Without Time Zone	The date and time of return
staff_id	Smallint	The id assigned to each staff
last_update	Time Stamp (6) Without Time Zone	Time of last updated status

NOTE: I have the whole fact and dimension tables in this [Google Sheet](#). I didn't want to overcrowd the PDF

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?

*Film, Film\_Actor, and Rental table*

- What language are the majority of movies in the collection?

*Film and Language*