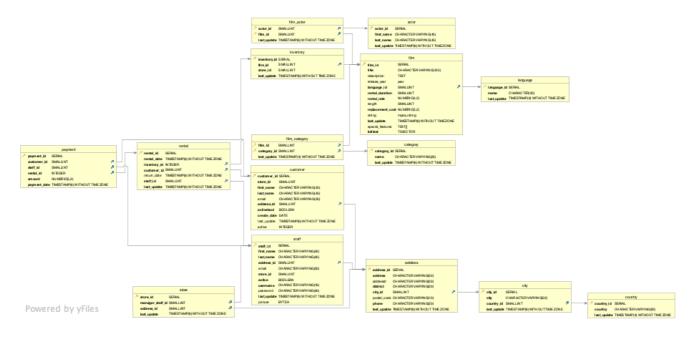
$Task_2_HG$

Step 2. Extract the ERD:



Step_3: The Rockbuster database has a snowflake schema, The Fact Table (Rental) is surrounded by sub-dimension tables.

FACT TABLE Table name: Rental

Columns	Data Type	Description
rental_id	SERIAL	Unique id for each movie
		rental
rental_date	TIMESTAMP(6)	The date and time of when it
	WITHOUT TIME ZONE	was rented out
inventory_id	Integer	The id assigned for record
		keeping
customer_id	SMALLINT	Customer id who rented the
		movie
return_date	TIMESTAMP(6)	The date and time of return
	WITHOUT TIME ZONE	
staff_id	SMALLINT	The id assigned to each staff
last_update	TIMESTAMP(6)	Time of last updated status
	WITHOUT TIME ZONE	-

DIMENSION TABLE

Table Name: Customer

Columns	Data Type	Description
customer_id	SERIAL	Customer id to
		whom the movie
		rented
store_id	SMALLINT	The unique store id
		for each store
first_name	CHARACTER	First name of the
	VARYING(45)	customer
last_name	CHARACTER	Last name of the
	VARYING(45)	customer
email	CHARACTER	email address of the
	VARYING(45)	customer
address_id	SMALLINT	Postal address of
		customer
activebool	BOOLEAN	Status if customer is
		active or not
create_date	DATE	creation date

Table Name: Staff

Columns	Data Type	Description
staff_id	SERIAL	The unique id of each staff
first_name	CHARACTER	First name of staff
	VARYING(45)	
last_name	CHARACTER	Last name of staff
	VARYING(45)	
address_id	SMALLINT	Postal address of staff
email	CHARACTER	Email address of staff
	VARYING(50)	
store_id	SMALLINT	The unique id of each store
active	BOOLEAN	Status if staff is active or not
username	CHARACTER	username of staff
	VARYING(16)	
password	CHARACTER	password of staff
	VARYING(40)	
last_update	TIMESTAMP(6)	Time of last update of staff
	WITHOUT TIME ZONE	
picture	BYTEA	Picture of staff

Table Name: Payment

Columns	Data Type	Description
payment_id	SERIAL	The id for record keeping
customer_id	SMALLINT	Customer id to whom the movie was rented
staff id	SMALLINT	The unique id of the staff
rental id	INTEGER	The unique id of each movie
Tentar_iu	INTEGER	rental
amount	NUMERIC(5,2)	The rental amount paid by
		customer
payment_date	TIMESTAMP(6)	Time of payment
_	WITHOUT TIME ZONE	

Table Name: Inventory

Columns	Data Type	Description
inventory id	SERIAL	The id for record keeping
film_id	SMALLINT	The unique id of film
store_id	SMALLINT	The unique id of each store
last update	TIMESTAMP(6)	The time of last updated
	WITHOUT TIME ZONE	status

Table Name: Film Category

Columns	Data Type	Description
film_id	SMALLINT	The unique id for each
		movie
category_id	SMALLINT	The unique id for each
		movie category
last update	TIMESTAMP(6)	Time of last updated status
	WITHOUT TIME ZONE	

Table Name: Language

Columns	Data Type	Description
language_id	SERIAL	ID for languages of movies
name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6)	Time of last updated status
	WITHOUT TIME ZONE	_

Table Name: Address

Columns	Data Type	Description
address_id	SERIAL	Postal address of
		store
address	CHARACTER	Postal address of
	VARYING(50)	store
address2	CHARACTER	Postal address of
	VARYING(50)	store
district	CHARACTER	Time of last updated
	VARYING(20)	status
city_id	SMALLINT	Unique id of city
postal_code	CHARACTER	Postal code
	VARYING(10)	
phone	CHARACTER	Phone number
	VARYING(20)	
last_update	TIMESTAMP(6)	Time of last updated
	WITHOUT TIME	status
	ZONE	

Table Name: City

Columns	Data Type	Description
city_id	SERIAL	ID assigned to city
name	CHARACTER	name of city
	VARYING(50)	
country_id	SMALLINT	Country code
last_update	TIMESTAMP(6)	Time of last updated status
	WITHOUT TIME ZONE	

Table Name: Country

Columns	Data Type	Description
country_id	SERIAL	Unique country code
country	CHARACTER	Name of country
	VARYING(50)	
last update	TIMESTAMP(6)	Time of last updated status
	WITHOUT TIME ZONE	_

Step_4:

Which actors brought Rockbuster the most revenue?

Film_actor, Film, Rental

What language are the majority of movies in the collection?

Film and Language