

Film - Rental

There is a film rental store that provides DVDs on a rental basis. The owner of this store is your friend and he is not at all computer savvy. To manage his business he has software that helps him to manage the business.

He also has one helper who understands computers well and as a part-time job, he manages the software and helps the owner by providing different types of reports using SQL queries.

Today, unfortunately, this helper is not available. So your friend has called you to help him with some of the reports that he needs to make important business decisions.

Schema Information

Before you can help your friend, it is very important for you to understand the schema. This schema contains a number of tables that relate to the various aspects of this store, such as the films available for rent, the customers who rent them, and the staff who manage the store and the rental process.

The tables in the database are interrelated, which allows them to run complex queries for data analysis.

Following is a brief description of a few of the tables

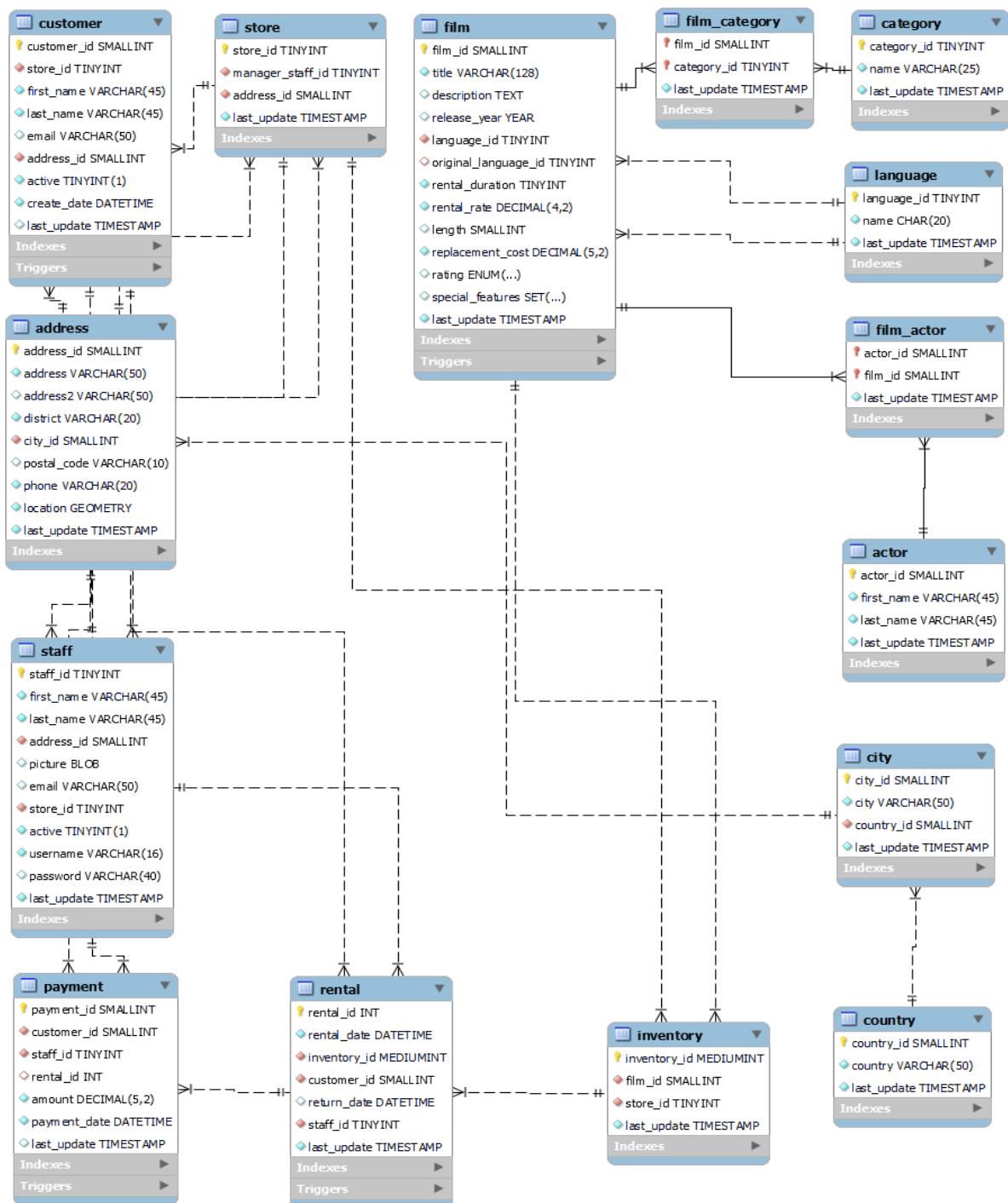
Actor table contains information about the actors who have appeared in films, as well as information about the specific films in which they have appeared.

The film table provides information about the films themselves, including their category, language, and other details.

The customer Info table contains information about the customers who rent DVDs from the store, including their addresses and other personal information.

Finally, the **Store** table contains information about the store itself, including details about the staff who work there, the rentals that are available, and the payments that are made by customers.

ER Diagram:



Overview of Tables:

Actor Info	Actor Film_Actor
Film Info	Film Film_Category Category Language
Customer Info	Customer Address City Country
Store Info	Store Staff Rental Payment

Tables Structure:

Actor <ul style="list-style-type: none">actor_idfirst_namelast_name	Film_Actor <ul style="list-style-type: none">actor_idfilm_id
Language <ul style="list-style-type: none">language_idname	Film_category <ul style="list-style-type: none">film_idcategory_id
Film <ul style="list-style-type: none">film_idtitledescriptionlanguage_idrental_durationrental_ratelengthreplacement_costrating	Staff <ul style="list-style-type: none">staff_idfirst_namelast_nameaddress_idemailstore_id
Category <ul style="list-style-type: none">category_idname	Country <ul style="list-style-type: none">country_idcountry

Customer <ul style="list-style-type: none"> • customer_id • store_id • first_name • last_name • email • address_id 	Address <ul style="list-style-type: none"> • address_id • district • city_id • postal_code • phone • location
City <ul style="list-style-type: none"> • city_id • city • country_id 	Store <ul style="list-style-type: none"> • store_id • manager_staff_id • address_id
Rental <ul style="list-style-type: none"> • rental_id • rental_date • inventory_id • customer_id • return_date • staff_id 	Payment <ul style="list-style-type: none"> • payment_id • customer_id • staff_id • rental_id • amount • payment_date

Instructions:

1. Create these tables in the database by running the “schema.sql” script.
2. Populate these tables in the database by running the “data.sql” script.