Business

Rental-payment

Payment_id

Customer_id

Staff_id

Rental_id

Rental_date

Inventory_id

staff
- staff_id
- first_name
- last_name
- address_id
- email
- store_id
- username

address
- address_id
- city_id

store
- store_id
- manager_staff_id
- address_id

Core connection

film
- film_id
- title
- release_year
- language_id
- original_language_id

customer
- customer_id
- store_id
- address_id

city
- city_id
- city
- country_id

address
- address_id
- address
- city_id

inventory
- inventory_id
- film_id
- store_id

store
- store_id
- manager_staff_id
- address_id

staff
- staff_id
- address_id
- store_id

Rental-payment

Payment_id

Customer_id

Staff_id

Rental_id

Rental_date

Inventory_id

My idea is to combine rental and payment tables. As when there is a rent – there is a payment. Also 2 id -rental_id and payment_id we were using a lot in our homework and we were joining this tables a lot. So probably we can safe a lot of time running scripts by removing one of them.

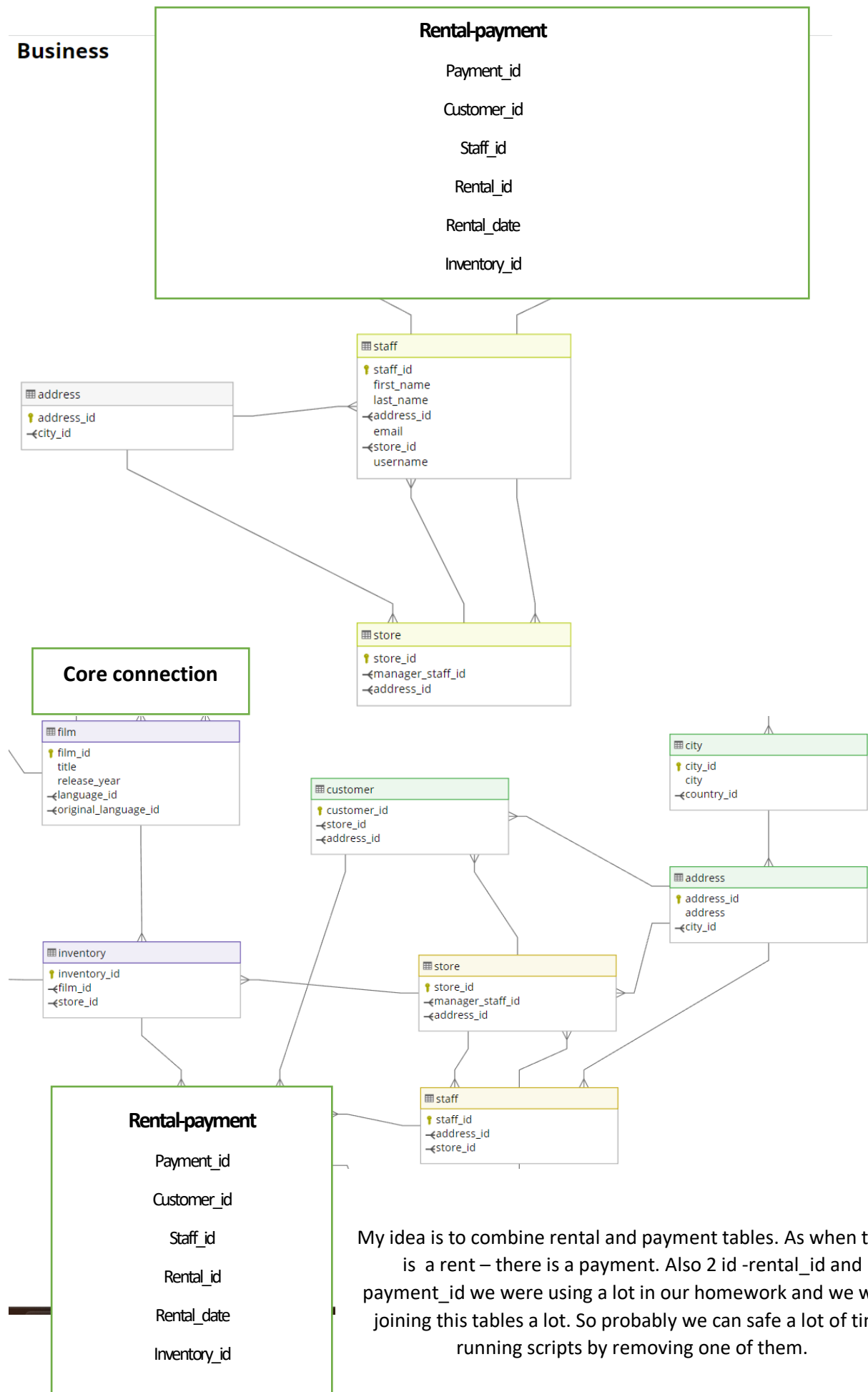# Customer Data

Address

Address_id

Country

City

Postal_code

address

phone

The idea is not to use country and city table separately. It's a small business of rental films. The info can be kept together without extra tables

customer

🔑 customer_id
⤳ store_id
　first_name
　last_name

Inventory

language

🔑 language_id
　name

actor

🔑 actor_id
　first_name
　last_name

inventory

🔑 inventory_id
⤳ film_id
⤳ store_id

film

🔑 film_id
　title
　description
⤳ language_id
　rating

film_actor

🔑 actor_id
🔑 film_id

I don't see the need in film-text table.

film_category

🔑 film_id
🔑 category_id

Instead of using table category with category_id and name of this category. Just put category-name in film-category. It's a small table, and it won't grow, as we know the categories of films.