Data Dictionary

Rockbuster Stealth LLC

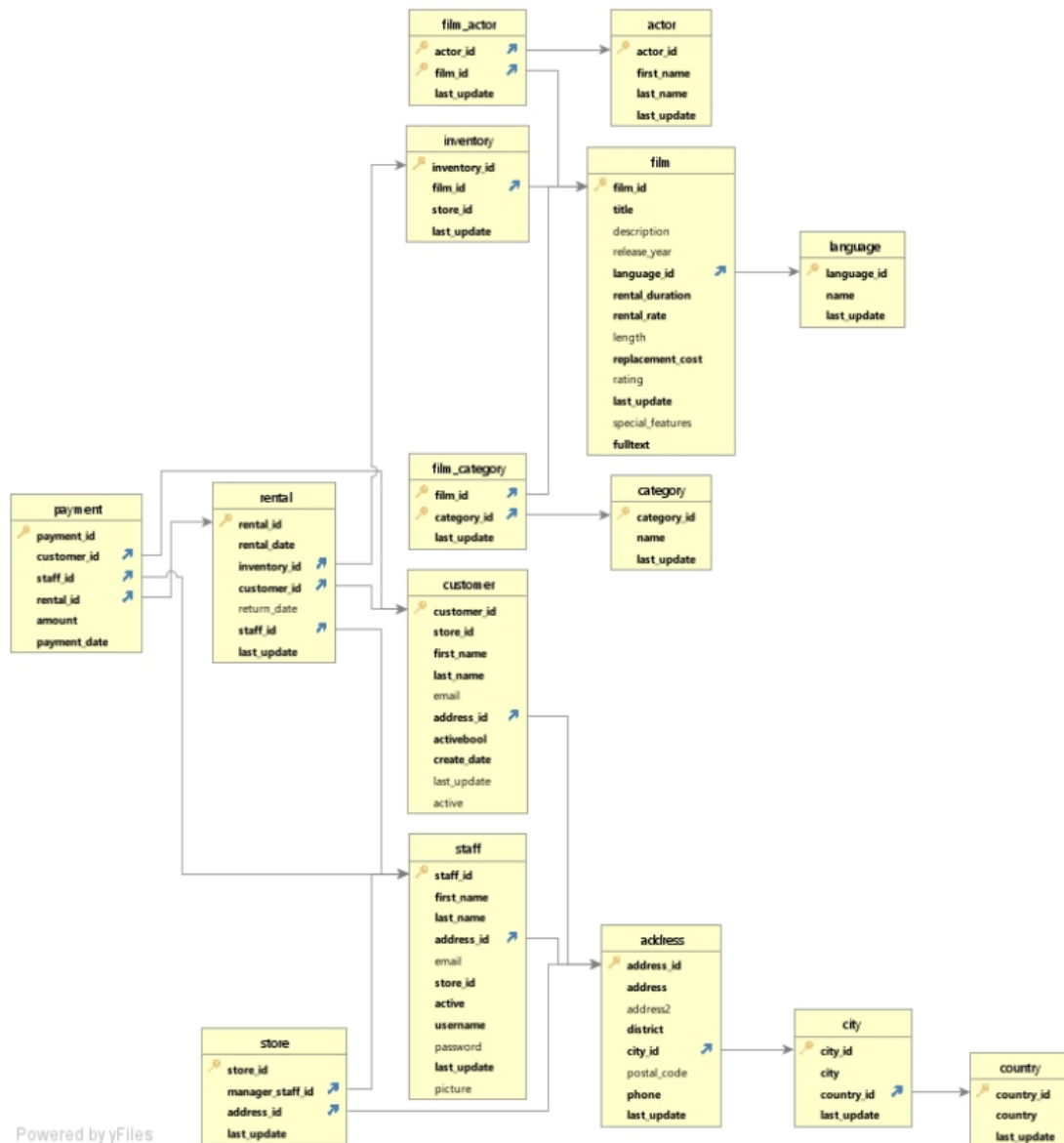**Feyrouz Gousmi**

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Entity Relationship Diagram (ERD)

Legend

🔑 **Primary Key**

🔑 **Unique Key**

Fact Table

Payment

	Column	Data Type	Description
🔑	payment_id	SERIAL	Unique serial number to each payment
	customer_id	SMALLINT	Unique serial number to each customer
	staff_id	SMALLINT	Unique serial number to each employee
	rental_id	INTEGER	Unique serial number to each rental
	amount	NUMERIC(5,2)	Amount of the payment
	payment_date	TIMESTAMP(6)	Payment date & time w/o time zone

Links to

Table	Join
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff_id
rental	payment.rental_id = rental.rental_id

Dimension Tables

Rental

	Column	Data Type	Description
🔑	rental_id	SERIAL	Unique serial number to each rental
	rental_date	TIMESTAMP(6)	Rental date & time w/o time zone
	inventory_id	INTEGER	Unique serial number to each inventory item
	customer_id	SMALLINT	Unique serial number to each customer
	return_date	TIMESTAMP(6)	Return date & time w/o time zone
	staff_id	SMALLINT	Unique serial number to each employee
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Links to

Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

Linked from

Table	Join
payment	rental.rental_id = payment.rental_id

Film_category

	Column	Data Type	Description
🔑	film_id	SMALLINT	Unique serial number to each film
🔑	category_id	SMALLINT	Unique serial number to each film category
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Links to

Table	Join
film	film_category.film_id = film.film_id
category	film_category.category_id = category.category_id

Customer

	Column	Data Type	Description
🔑	customer_id	SERIAL	Unique serial number to each customer
	store_id	SMALLINT	Unique serial number to each store
	first_name	CHARACTER VARYING(45)	Customer first name
	last_name	CHARACTER VARYING(45)	Customer last name
	email	CHARACTER VARYING(45)	Customer email address
	address_id	SMALLINT	Unique serial number to each address
	activebool	BOOLEAN	Customer active status
	create_date	DATE	Customer creation date
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone
	active	INTEGER	Customer active status

Links to

Table	Join
address	customer.address_id = address.address_id

Linked from

Table	Join
rental	customer.customer_id = rental.customer_id
payment	customer.customer_id = payment.customer_id

	Column	Data Type	Description
	first_name	CHARACTER VARYING(45)	Employee first name
	last_name	CHARACTER VARYING(45)	Employee last name
	address_id	SMALLINT	Unique serial number to each address
	email	CHARACTER VARYING(45)	Employee email address
	store_id	SMALLINT	Unique serial number to each store
	active	BOOLEAN	Employee active status
	username	CHARACTER VARYING(16)	Employee username
	password	CHARACTER VARYING(40)	Employee password
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone
	picture	BYTEA	Photo of employee

Links to

Table	Join
address	staff.address_id = address.address_id

Linked from

Table	Join
payment	staff.staff_id = payment.staff_id
rental	staff.staff_id = rental.staff_id
store	staff.store_id = store.store_id

Actor

	Column	Data Type	Description
🔑	actor_id	SERIAL	Unique serial number to each actor
	first_name	CHARACTER VARYING(45)	Actor first name
	last_name	CHARACTER VARYING(45)	Actor last name
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Linked from

Table	Join
film_actor	actor.actor_id = film_actor.actor_id

Address

	Column	Data Type	Description
🔑	address_id	SERIAL	Unique serial number to each address
	address	CHARACTER VARYING(50)	Address first line
	address2	CHARACTER VARYING(50)	Address second line
	district	CHARACTER VARYING(50)	District of address
	city_id	SMALLINT	Unique serial number to each city
	postal_code	CHARACTER VARYING(50)	Zip Code
	phone	CHARACTER VARYING(20)	Phone number
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Links to

Table	Join
city	address.city_id = city.city_id

Linked from

Table	Join
customer	address.address_id = customer.address_id
staff	address.address_id = staff.address_id
store	address.address_id = store.address_id

Language

	Column	Data Type	Description
🔑	language_id	SERIAL	Unique serial number to each language
	name	CHARACTER(20)	Language
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Linked from

Table	Join
film	language.language_id = film.language_id

City

	Column	Data Type	Description
🔑	city_id	SERIAL	Unique serial number to each city
	city	CHARACTER VARYING(50)	City
	country_id	SMALLINT	Unique serial number to each country
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Links to

Table	Join
payment	staff.staff_id = payment.staff_id

Table	Join
address	city.city_id = address.city_id

Country

	Column	Data Type	Description
🔑	country_id	SERIAL	Unique serial number to each country
	country	CHARACTER VARYING(50)	Country
	last_update	TIMESTAMP(6)	Last update date & time w/o time zone

Linked from

Table	Join
city	country.country_id = city.country_id