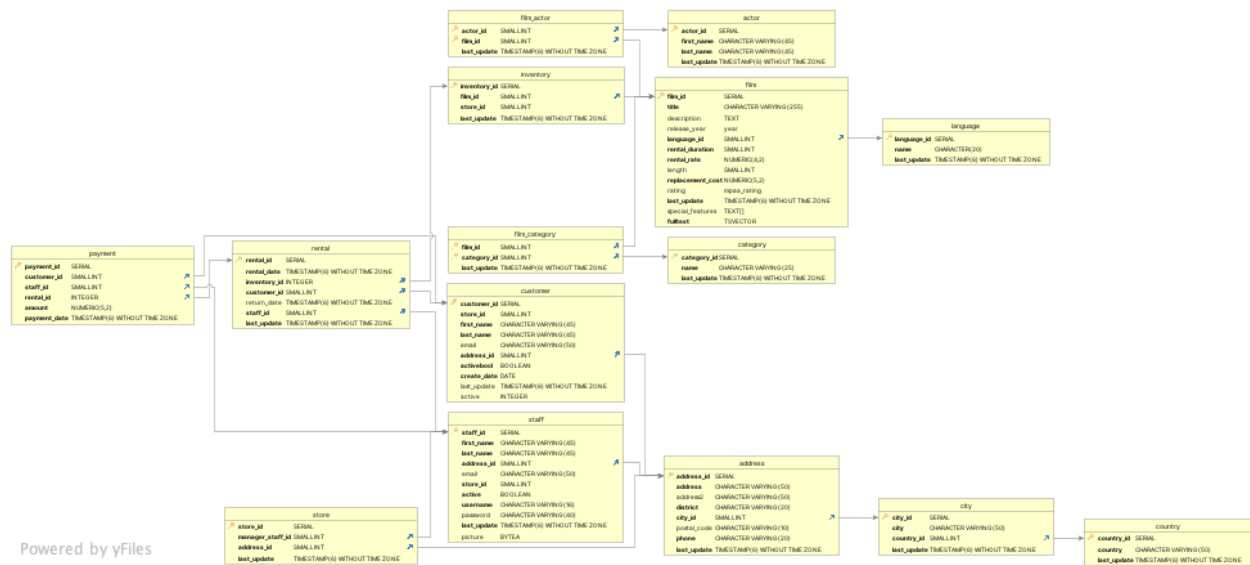


Dominic Bracy

CF Immersion 3.10



Data Dictionary



Fact Tables

Payment

Column	Data Type	Description
Payment_Id	Serial	Unique payment identifier
Customer_ID	Small INT	Unique customer identifier
Staff_Id	Small INT	Unique staff identifier
Rental_ID	Integer	Unique rental identifier
Amount	Numeric	Amount of payment received
Payment_Date	Time Stamp	Date of payment

Rental

Rental_ID	Serial	Unique rental identifier
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Rental_Date	Timestamp	Date of rental
Inventory_Id	Integer	Unique inventory identifier
Customer_id	Small INT	Unique customer identifier
Return_date	Timestamp	Date of return
Staff_id	Small int	Unique staff identifier
Last_update	Timestamp	Time of last update

Dimension Tables

Film_actor

Column	Data Type	Description
Actor_id	Small int	Unique identifier of actor
Film_id	Small int	Unique identifier of film
Last_update	Timestamp	Time of last update

Inventory

Inventory_id	Serial	Unique identifier of inventory
Film_id	Small int	Unique identifier of film
Store_id	Small int	Unique identifier of store
Last_Update	Timestamp	Time of last update

Film_Category

Film_id	Small int	Unique identifier of film
Category_id	Small int	Unique identifier of category

Last_update	Timestamp	Time of last update
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Customer

Customer_id	Small int	Unique customer identifier
Store_id	Small int	Unique store identifier
First_name	Character Varying (45)	First name of customer
Last_name	Character Varying (45)	Last name of customer
Email	Character Varying (50)	Email address of customer
Address_id	Small int	Unique identifier of address
Activebool	boolean	Whether customer is active
Create_date	Date	Date of customer profile creation
Last_update	Timestamp	Time of last update
Active	Integer	Active Status represented by 1 or 0

Staff

Staff_id	Small int	Unique staff identifier
First_name	Character Varying (45)	First name of customer
Last_name	Character Varying (45)	Last name of customer
Address_id	Small int	Unique identifier of address
Email	Character Varying (50)	Email address of customer
Store_id	Small int	Unique store identifier

Active	Boolean	Whether staff member is active
Username	Character Varying (16)	Staff Member's username
Password	Character Varying (40)	Staff Member's Password
Last_update	Timestamp	Time of last update
Picture	Bytea	Picture of Staff Member

Actor

Actor_id	Serial	Unique identifier of actor
First_name	Character Varying (45)	First name of actor
Last_name	Character Varying (45)	Last name of actor
Last_update	Timestamp	Time of last update

Film

Film_id	Serial	Unique Identifier of film
Title	Character Varying (255)	Title of film
Description	Text	Description of film
Release_Year	Year	Year of film release
Rental_duration	Small int	Duration of rental
Rental_rate	Numeric	Rate of rental
Length	Small int	Length of film
Replacement_cost	Numeric	Replacement cost of film
Rating	Mpaa_rating	Rating of film

Last_update	Timestamp	Time of last update
Special_features	Text	Special features of film
FullText	Tsvector	Film index; contains count of key words in description

Category

Category_id	Serial	Unique identifier of category
Name	Character Varying (25)	Name of category
Last_update	Timestamp	Time of last update

Address

Address_id	Serial	Unique identifier of category
Address	Character Varying (50)	First line of address
Address 2	Character Varying (50)	Second line of address
District	Character Varying (20)	District of Address
City_id	Small int	Unique identifier of city
Postal_code	Character Varying (10)	Postal code associated with address
Phone	Character Varying (20)	Phone number for address
Last_update	Timestamp	Time of last update

Language

Language_id	Serial	Unique identifier of language
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Name	Character Varying (20)	Name of language
Last_update	Timestamp	Time of last update

City

City_id	Serial	Unique identifier of city
city	Character Varying (50)	Name of city
Country_id	Small int	Unique identifier of country
Last_update	Timestamp	Time of last update

Country

Country_id	Serial	Unique identifier of country
Country	Character Varying (50)	Name of country
Last_update	Timestamp	Time of last update

Step 4

Which actors brought Rockbuster the most Revenue?

⇒ Rental, Payment, Film_actor, actor, and Film.

What language are the majority of movies in the collection?

⇒ Language, Inventory, and film