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ROCKBUSTER

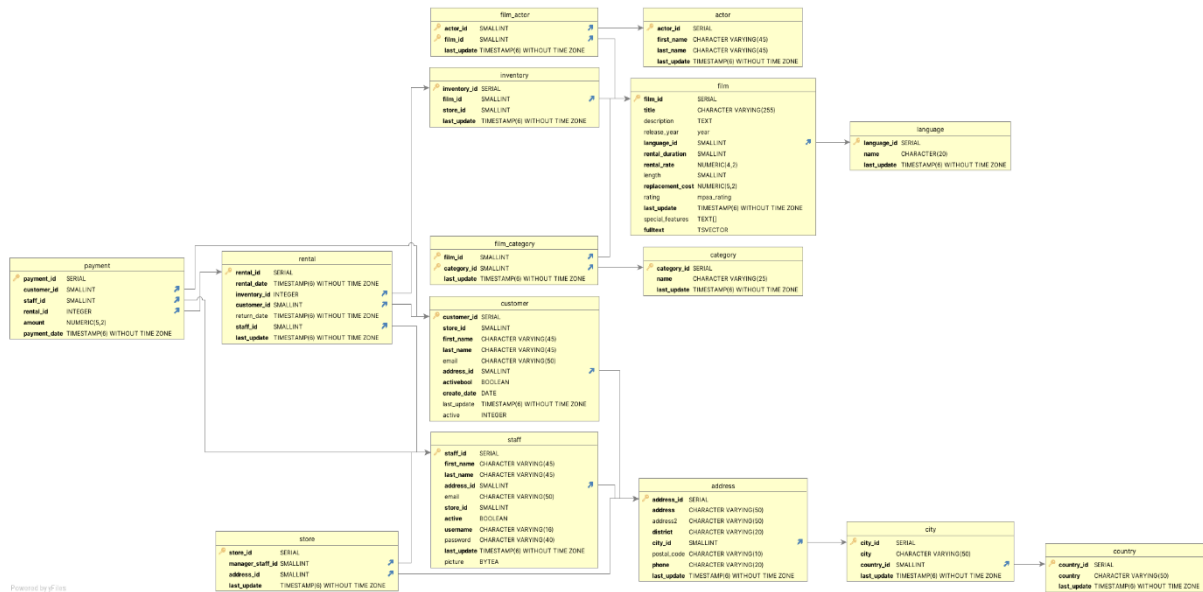
Data Dictionary

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Entity Relationship Diagram (ERD)




Fact tables

Payment			
Key	Columns	Data Type	Description
	payment_id	SERIAL	Unique number assigned to each payment.
	customer_id	SMALLINT	Unique number assigned to each customer.
	staff_id	SMALLINT	Unique number assigned to each staff member.
	rental_id	INTEGER	Unique number assigned to each rental.
	amount	NUMERIC (2,5)	
	payment_date	TimeStamp (6) without time zone	Time and date when the payment was made.

Payment table 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

Rental			
Key	Columns	Data Type	Description
	rental_id	SERIAL	Unique number assigned to each rental.
	Rental_date	TimeStamp (6) without time zone	Time and Date when the movie was rented.
	Inventory_id	INTEGER	Unique number assigned to each inventory item.
	Customer_id	SMALLINT	Unique number assigned to each customer.
	Return_date	TimeStamp (6) without time zone	Date and time when the movie was returned.
	Staff_id	SMALLINT	Unique number assigned to each staff member.
	Last_update	TimeStamp (6) without time zone	Date and time of when the table was last updated.


Rental table 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

Rental table links from:



Table	Join
Payment	Rental.payment_id = payment.payment_id

Dimension Table

Store			
Key	Columns	Data Type	Description
	Store_ID	SERIAL	Unique number assigned to each store.
	Manager_Staff_ID	SMALLINT	Unique number assigned to each manager staff member.
	Address_ID	SMALLINT	Unique number assigned to each Address.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.


Store table links to:

Table	Join
Staff	store.staff_id = staff.staff_id
Address	store.address_id = address.address_id

Film Actor			
Key	Columns	Data Type	Description
	Actor_ID	SMALLINT	Unique number assigned to each actor.
	Film_ID	SMALLINT	Unique number assigned to each film.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Film actor table links to:

Table	Join
Actor	film_actor.actor_id = actor.actor_id
Film	film_actor.film_id = film.film_id



Inventory			
Key	Columns	Data Type	Description
	Inventory_ID	SERIAL	Unique number assigned to each inventory item.
	Film_ID	SMALLINT	Unique number assigned to each film.
	Store_ID	SMALLINT	Unique number assigned to each store.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Inventory table links to:

Table	Join
Film	inventory.film_id = film.film_id


Inventory table links from:

Table	Join
Rental	rental.inventory_id = inventory.inventory_id

Film_Category			
Key	Columns	Data Type	Description
	Film_ID	SMALLINT	Unique number assigned to each film.
	Category_ID	SMALLINT	Unique number assigned to each category.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Film category table links to:

Table	Join
Category	Film_category.category_id = category.category_id
Film	Film_category.film_id = film.film_id


Customer			
Key	Columns	Data Type	Description
	Customer_ID	SERIAL	Unique number assigned to each customer.
	Sore_ID	SMALLINT	Unique number assigned to each store.
	First_Name	Character Varying (45)	First name of the customer.
	Last_Name	Character Varying (45)	Last name of the customer.
	Email	Character Varying (50)	Customers unique email address.
	Address_ID	SMALLINT	Unique number assigned to each Address.
	Activebool	Boolean	True or False if the customer is active.
	Create_Date	Date	
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.
	active	INTEGER	Customers active status indicated by 0 or 1

Customer table links to:

Table	Join
Address	Customer.address_id = address.address_id

Customer table links from:

Table	Join
Rental	Customer.rental_id= rental.rental_id
Payment	Customer.payment_id = payment.payment_id


Staff			
Key	Columns	Data Type	Description
	Staff_ID	SERIAL	Unique number assigned to each staff member.
	First_Name	Character Varying (45)	Fist name of the staff member
	Last_Name	Character Varying (45)	Last name of the staff member
	Address_ID	SMALLINT	Unique number assigned to each Address.
	Email	Character Varying (50)	Staff members unique email address.
	Sore_ID	SMALLINT	Unique number assigned to each store.
	Active	Boolean	True or False if the staff member is active.
	Username	Character Varying (14)	Username for each staff member.
	Password	Character Varying (40)	Password for each staff member.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.
	picture	Bytea	Photo of each staff member if available.

Staff table links to:

Table	Join
Address	Staff.address_id = address.address_id

Staff table links from:

Table	Join
Rental	Staff.rental_id = rental.rental_id
Store	Staff.store_id = store.store_id
Payment	Staff.payment_id = payment.payment_id

Actor			
Key	Columns	Data Type	Description
	Actor_ID	SERIAL	Unique number assigned to each actor.
	First_Name	Character Varying (45)	Actors fist name.
	Last_Name	Character Varying (45)	Actors last name.

	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.
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Actor table links from:

Table	Join
Film actor	Actor.actor_id = film_actor.actor_id


Film			
Key	Columns	Data Type	Description
	Film_ID	SERIAL	Unique number assigned to each film.
	Title	Character Varying (255)	The title of the film.
	Description	Text	Short description about the film.
	Release_Year	Year	Year that the film was released.
	Language_ID	SMALLINT	Number assigned to each language in the film.
	Rental_Duration	SMALLINT	The duration of how long a movie was rented.
	Rental_Rate	Numeric (4,2)	The amount of money paid for renting the movie.
	Length	SMALLINT	The length of the film.
	Replacement_Cost	Numeric (5,2)	the amount of money required to replace the film.
	Rating	Mpaa_rating	The film's rating to help to choose the appropriate age to see it.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.
	Special_features	TEXT()	Stays what extras are featured in the film?
	Fulltext	TSvector	Keywords linked to each film that a customer may use in searching for the film.

Film table links to:

Table	Join
Language	Film.language_id = language.language_id


Film table links from:

Table	Join
Film actor	Film.film_actor_id = film_actor.film_actor_id
Film category	Film.film_category_id = film_category.film_category_id
inventory	Film.inventory_id = inventory.inventory_id

Category			
Key	Columns	Data Type	Description
	Category_ID	SERIAL	Unique number assigned to each category.
	Name	Character Varying (25)	Name of the category (Genres)
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Category table links from:

Table	Join
Film category	Film_category.film_category_id = category.film_category_id


Address			
Key	Columns	Data Type	Description
	Address_ID	SERIAL	Unique number assigned to each Address.
	Address	Character Varying (50)	Number and street address
	Address 2	Character Varying (50)	Street address optional second field.
	District	Character Varying (25)	State or province of the address.
	City_ID	SMALLINT	Unique number assigned to each city.
	Postal_Code	Character Varying (10)	The postal address for the street and city.
	Phone	Character Varying (20)	The contact phone number.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Address table links to:

Table	Join
city	Addres.city_id = city.city_id

Address table links from:

Table	Join
Store	Store.address_id = address.address_id
Staff	Staff.address_id = address.address_id
Customer	Customer.address_id = address.address_id


City			
Key	Columns	Data Type	Description
	City_ID	SERIAL	Unique number assigned to each city.
	City	Character Varying (50)	Full name of the city.
	Country_ID	SMALLINT	Unique number assigned to each country.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

City table links to:

Table	Join
Country	City.country_id = country.country_id


City table links from:

Table	Join
Address	Address.address_id = city.address_id

Country			
Key	Columns	Data Type	Description
	Country_ID	SERIAL	Unique number assigned to each country.
	Country	Character Varying (50)	Full name of the country.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Country table links from:

Table	Join
City	City.country_id = Country.country_id

Language			
Key	Columns	Data Type	Description
	Language_ID	SERIAL	Unique number assigned to each language.
	Name	Character Varying (20)	Full name of the language.
	Last_Update	TimeStamp (6) without time zone	Date and time of when the table was last updated.

Language table links from:

Table	Join
Film	Film.language_id = language.language_id