

ROCKBUSTER

Data Dictionary



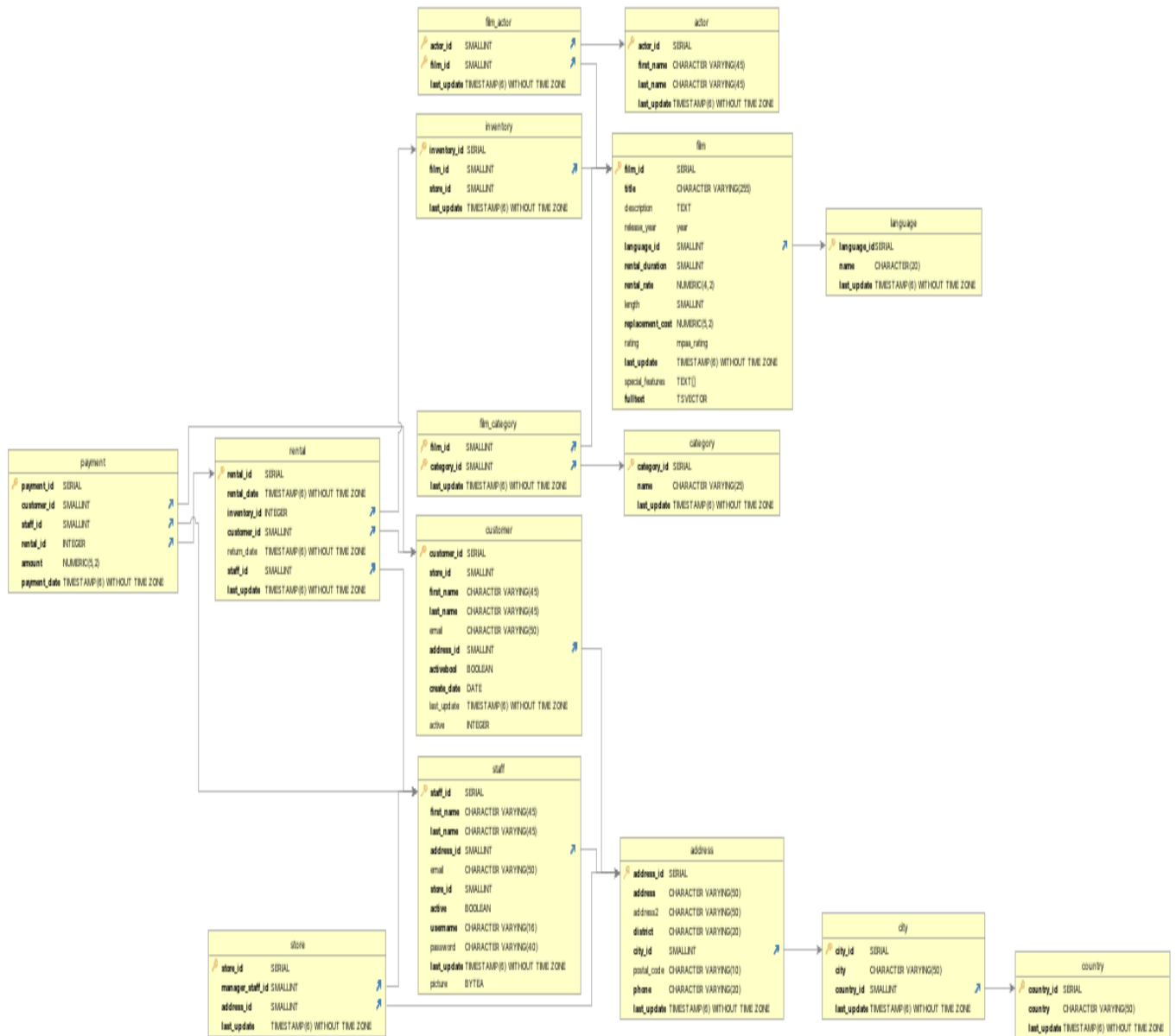
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1. Entity Relationship Diagram (ERD)



2. Tables:



Primary Key



Foreign Key

2.1 Fact Table:

Payment





Key	Column	Data Type	Description
	Payment_id	Serial	Unique ID number for payment
	Customer_id	Smallint	Unique customer ID number
	Staff_id	Smallint	Unique Staff ID number
	Rental_id	Integer	Unique rental ID number
	Amount	Numeric (5,2)	Price of payment
	payment_date	Timestamp (6) without time zone	Date and time of Payment

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

2.2 Dimension Table

Rental

Key	Columns	Data Types	Description
	Rental_ID	Serial	Unique ID Number used for movie rental
	Rental_date	Timestamp (6) without time zone	Date and time of movie rented
	Inventory_id	Integer	Unique inventory assigned ID number
	Customer_id	smallint	Unique customer ID number
	Return_date	Timestamp (6) without time zone	Date and time of returned
	Staff_id	smallint	Unique staff ID number
	Last_Update	Timestamp (6) without time zone	Date and time for the last update.




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

Links From:

Table	Join
Payment	Payment.rental_id = rental.rental_id



Store

Key	Columns	Data Type	Description
	Store_id	Serial	Unique store ID number
	manager_staff_id	Smallint	Unique manager ID for each store
	Adress_id	Smallint	Unique store's ID for each store
	Last_update	Timestamp (6) without time zone	Date and time for the last update.

Links to:

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



Film Actor

Key	Columns	Data Type	Description
	Actor_id	Smallint	Unique actor ID for each actor.
	Film_id	Smallint	Unique film ID to each film.
	Last_update	Timestamp (6) without time zone	Date and time of the last update.

Links to:

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

Inventory

Key	Columns	Data Type	Description
	Inventory_id	Serial	Unique inventory ID
	Film_id	Smallint	Unique film ID
	Store_id	Smallint	Unique store ID
	Last_update	Timestamp (6) without time zone	Date and time of the last update.



Links To:

Table	Join
Film	Inventory.film_id = film.film_id

Links From:

Table	Join
Rental	rental.inventory_id = inventory.inventory_id



Film Category

Key	Columns	Data Types	Description
	Film_id	Smallint	Unique film ID
	Category_id	Smallint	Unique film ID for each film
	Last_update	Timestamp (6) without time zone	Date and time of the last update.

Links to:

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

Customer

key	Columns	Data Types	Description
	Customer_id	Serial	Unique customer ID
	Store_id	Smallint	Unique store ID
	First_name	Character Varying(45)	Customer-first name
	Last_name	Character Varying(45)	Customer last name
	Email	Character Varying(50)	Customer email id
	Address_id	Smallint	Customer address id
	Activebool	Boolean	True or false response
	Create_date	Date	Date and time of customer's account created
	last_update	Timestamp (6) without time zone	Date and time of the last update.
	Active	Integer	0 or 1 indicates the customer's activity



Links to:

Table	Join
Address	customer.address_id = address.address_id

Links From:

Table	Join
Rental	rental.customer_id = customer.custome_id
Payment	payment.customer_id = customer.customer_id

Staff

Key	Columns	Data Type	Description
	Staff_id	Serial	Unique ID
	First_name	Character Varying (45)	Staff's first name
	Last_name	Character Varying (45)	Staff's last name
	Address_id	Smallint	Unique Address Id
	Email	Character Varying (50)	Staff's email address
	Store_id	Smallint	Unique store ID
	Active	Boolean	True or False is the staff still active
	Username	Character Varying (16)	Staff's username
	Password	Character Varying (40)	Staff's password
	Last_update	Timestamp (6) without time zone	Date and time of the last update.
	Picture	Bytea	Binary data of the picture


Links to:

Table	Join
Address	staff.address_id = address.address-id

Links From:

Table	Join
Rental	rental.staff_id = staff.staff_id
Store	Store.address_id = staff.address_id
Payment	Payment.staff_id = staff.staff_id



Actor

Key	Columns	Data Type	Description
	Actor-id	Serial	Unique actor ID
	First_name	Character Varying (45)	Actor's first name
	Last-name	Character Varying (45)	Actor's last name
	last_update	Timestamp (6) without time zone	Date and time of the last update.

Links From:

Table	Join
Film-actor	Film_actor.actor_id = actor.actor_id

Film

Key	Columns	Data Type	Description
	Film_id	Seria	Unique film ID
	Title	Character Varying (255)	Film title name
	Description	Text	Film's description
	Release_id	Year	Year film's release
	Language_id	Smallint	Unique language ID
	Rental_duration	Smallint	Duration of Film's rental
	Rental_rate	Numeric (4,2)	Rental usage rate
	Length	Smallint	The film's time duration
	Replacement_cost	Numeric (5,2)	Price of film's replacement
	Rating	Mpaa_rating	The film's MPAA ratings
	Last_update	Timestamp (6) without time zone	Date and time of the last update.
	Special_features	Text[]	Different film features included with the film
	Fulltext	Tsvector	Description of the text of the film and count of words.


Links To:

Table	Join
Language	film.language_id = language.language_id

Links From:

Table	Join
Film_actor	film_actor.film_id = film.film_id
Film_category	Film_category.film_id = film.film_id
Inventory	Inventory.film_id = film.film_id


Category

Key	Columns	Data Type	Description
	Category_id	Serial	Unique category ID
	Name	Character Varying (25)	Name of the type of category
	Last_update	Timestamp (6) without time zone	Date and time of the last update.

Links From:

Table	Join
Film_category	Film_category.category_id = category.catogery_id



Language

Key	Columns	Data Type	Description
	Language_id	Serial	Unique language ID
	Name	Character (20)	The specific language of origin
	Last_update	Timestamp (6) without time zone	Date and time of the last update.

Links From:

Table	Join
Film	Film.language_id = language.language_id

Address

Key	Columns	Data Type	Description
	Address_id	Serial	Unique Address ID
	Address	Character Varying (50)	Full name of address
	Address2	Character Varying (50)	Full name of the backup address
	District	Character Varying (20)	Full name of district
	City_id	Smallint	Unique city code
	Postal_Code	Character Varying (10)	Postal code
	Phone	Character Varying (20)	Phone number
	last_update	Timestamp (6) without time zone	Date and time of the last update.



Links to

Table	Join
City	Address.city_id = city.city_id

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	City's full name
	City	Character Varying (50)	Unique city ID
	Country_id	Smallint	Time and date of last update
	Last_update	Timestamp (6) without time zone	Date and time of the last update.


Links to:

Table	Join
Country	City.country_id = country.country_id

Links from:

Table	Join
Address	Address.city_id = city.city_id

Country

Key	Columns	Data Type	Description
	Country_id	Serial	Unique country ID
	Country	Character Varying (50)	Country's full name
	Last_update	Timestamp (6) without time zone	Date and time of the last update.

Links From:

Table	Join
City	City.country_id = country.country_id