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Rockbuster Stealth LLC

Data Dictionary

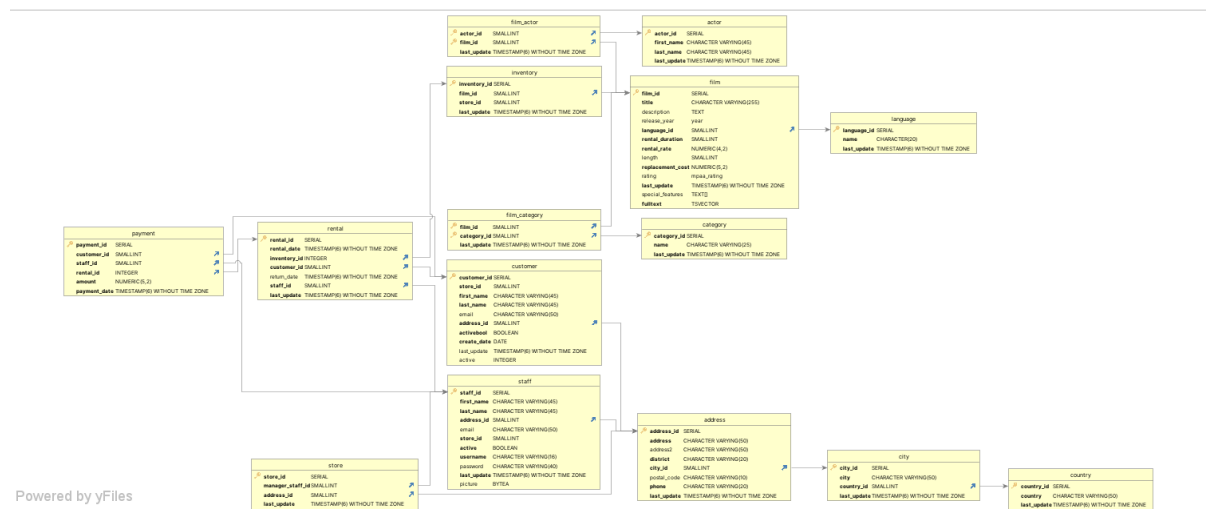


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Contents

Entity Relationship Diagram (ERD).....	2
Fact Tables	2
Payment.....	2
Rental.....	2
Dimension Tables.....	3
Store.....	3
Staff.....	3
Address	4
City	4
Country	4
Customer.....	4
Film Category	5
Category.....	5
Inventory.....	5
Film	6
Language.....	6
Film Actor.....	6
Actor	7

Entity Relationship Diagram (ERD)



Fact Tables

PAYMENT			
KEY	Columns	Data Type	Description
PRIMARY	Payment_id	serial	Unique Identifier for payment
FOREIGN	Customer_id	smallint	Unique Identifier for customer
FOREIGN	Staff_id	smallint	Unique Identifier for Staff
FOREIGN	Rental_id	integer	Unique Identifier for Rental
	amount	Numeric(5,2)	Amount in Numeric Value
	Payment_date	Timestamp(6) without Time Zone	Payment date and time
LINKS TO			
TABLE	Link		
CUSTOMER	Payment.customer_id = Customer.customer_id		
STAFF	Payment.staff_id = staff.staff_id		
RENTAL	Payment.rental_id = rental.rental_id		
RENTAL			
PRIMARY	Rental_id	Serial	Unique Identifier for rental
	Rental_date	Timestamp(6) without Time Zone	Rental date and time
FOREIGN	Inventory_id	integer	Unique Identifier for inventory
FOREIGN	Customer_id	smallint	Unique Identifier for customer
	return_date	Timestamp(6) without Time Zone	Return date and time

FOREIGN	Staff_id	smallint	Unique Identifier for staff
	Last_update	Timestamp(6) without Time Zone	Last update date
LINKS TO			
TABLE	Link		
INVENTORY	Rental.inventory_id = inventory.inventory_id		
CUSTOMER	Rental.customer_id = customer.custome_id		
STAFF	Rental.staff_id = Staff.staff_id		
LINKS FROM			
PAYMENT	Payment.rental_id = rental.rental_id		

Dimension Tables

STORE			
KEY	Column	Data Type	Description
PRIMARY	Store_id	Serial	Unique identier for store
FOREIGN	Manager_staff_id	Smallint	Unique Identifier for manager staff
FOREIGN	Address_id	Smallint	Unique identifier for address
	Last_update	Timestamp(6) without Time Zone	Last update date
LINKS TO			
TABLE	Link		
STAFF	Store.manager_staff_id = staff.staff_id		
ADDRESS	Store.address_id = address.address_id		
STAFF			
PRIMARY	Staff_id	Serial	Unique identifier for staff
	First_name	Character varying(45)	First name of staff
	Last_name	Character varying(45)	Last name of staff
FOREIGN	Address_id	Smallint	Unique identifier for address
	Email	Character varying(45)	Email of staff
	Store_id	Smallint	Unique Identifier of store
	activebool	boolean	Staff status: Active or Not Active
	Username	Character varying(16)	Staff username
	Password	Character varying(45)	Staff Password
	Last_update	Timestamp(6) without Time Zone	Last update date
	Picture	Bytea	Picture of Staff
LINKS TO			
TABLE	Link		
ADDRESS	Staff.address_id = address.address_id		
LINKS FROM			
STORE	Store.manager staff id = staff.staff id		

RENTAL	Rental.staff_id = staff.staff_id
PAYMENT	Payment.staff_id = staff.staff_id

ADDRESS

PRIMARY	Address_id	Serial	Unique identifier for address
	Address	Character varying(50)	First line of address
	Address2	Character varying(50)	Second line of address
	District	Character varying(20)	District
FOREIGN	City_id	Smallint	Unique identifier for city
	Postal_code	Character varying(10)	Postal code of address
	Phone	Character varying(20)	Phone number
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS TO

TABLE	Link
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CITY	Address.city_id = city.city_id
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LINKS FROM

STAFF	Staff.address_id = address.address_id
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STORE	Store.address_id = address.address_id
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CUSTOMER	Customer.address_id = address.address_id
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CITY

PRIMARY	City_id	Serial	Unique identifier for city
	City	Character varying(50)	Name of the city
FOREIGN	Country_id	Smallint	Unique identifier for country
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS TO

TABLE	Link
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COUNTRY	City.country_id = country.country_id
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LINKS FROM

ADDRESS	Address.city_id = city.city_id
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COUNTRY

PRIMARY	Country_id	Serial	Unique identifier for country
	Country	Character varying(50)	Name of the country
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS FROM

TABLE	Link
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CITY	City.country_id = country.country_id
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CUSTOMER

PRIMARY	Customer_id	serial	Unique Identifier for customer
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	Store_id	Smallint	Unique identier for store
	First_name	Character varying(45)	First name of customer
	Last_name	Character varying(45)	Last name of customer
	Email	Character varying(45)	Email of customer
FOREIGN	Address_id	Smallint	Unique identifier for address
	activebool	boolean	Customer status: Active or Not Active
	Create_date	Date	Date of when customer is created in the system
	Last_update	Timestamp(6) without Time Zone	Last update date
	Active	Integer	Number

LINKS TO

TABLE	Link
ADDRESS	Customer.address_id = address.address_id

LINKS FROM

RENTAL	Rental.customer_id = customer.customer_id
PAYMENT	Payment.customer_id = customer.customer_id

FILM CATEGORY

PRIMARY/FOREIGN	Film_id	SmallInt	Unique identifier for film category
PRIMARY/FOREIGN	Category_id	SmallInt	Unique identifier for film category
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS TO

TABLE	Link
CATEGORY	Film_category.category_id = category.category_id
FILM	Film_category.film_id = film.film_id

CATEGORY

PRIMARY	Category_id	Serial	Unique identifier for category
	Name	Character varying(25)	Name of category
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS FROM

TABLE	Link
FILM CATEGORY	Film_category.category_id = category.category_id

INVENTORY

PRIMARY	Inventory_id	Serial	Unique identifier for Inventory
FOREIGN	Film_id	SmallInt	Unique identifier for Film
	Store_id	SmallInt	Unique identifier for Store
	Last_update	Timestamp(6) without Time Zone	

LINKS TO	
TABLE	Link
FILM	Inventory.film_id = film.film_id
LINKS FROM	
RENTAL	Rental.inventory_id = inventory.inventory_id

FILM			
PRIMARY	Film_id	Serial	Unique identifier for film
	Title	Character varying(255)	Title of film
	Description	Text	Description of film
	Release_year	Year	Release year of film
FOREIGN	Language_id	Smallint	Unique identifier for language
	Rental_duration	Smallint	Duration of rental
	Rental_rate	Numeric(4,2)	Price of rental
	Length	Smallint	Length of film
	Replacement_cost	Numeric(5,2)	Cost of replacement
	Rating	Mpaa_rating	Rating of film
	Last_update	Timestamp(6) without Time Zone	Last update date
	Special_features	Text[]	Special features of film
	Fulltext	TSVECTOR	Index type, full text index

LINKS TO	
TABLE	Link
LANGUAGE	Film.language_id = language.language_id
LINKS FROM	
FILM CATEGORY	Film.category.film_id = film.film_id
INVENTORY	Inventory.film_id = film.film_id
FILM ACTOR	Film_actor.film_id = film.film_id

LANGUAGE			
	Language_id	Serial	Unique identifier of language
	Name	Character(20)	Name of language
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS TO	
TABLE	Link
FILM	Film.language_id = language.language_id

FILM ACTOR			
PRIMARY/FOREIGN	Actor_id	Smallint	Unique identifier for actor
PRIMARY/FOREIGN	Film_id	Smallint	Unique identifier for film
	Last_update	Timestamp(6) without Time Zone	Last update date

LINKS TO	
TABLE	Link

FILM	Film_actor.film.id = film.film_id
ACTOR	Fil_actor.actor_id = actor.actor_id

ACTOR			
PRIMARY	Actor_id	Serial	Unique Identifier for actor
	First_name	Character varying(45)	First name of actor
	Last_name	Character varying(45)	Last name of actor
	Last_update	Timestamp(6) without Time Zone	Last update date
LINKS FROM			
TABLE	Link		
FILM ACTOR	Film_actor.actor_id = actor.actor_id		