

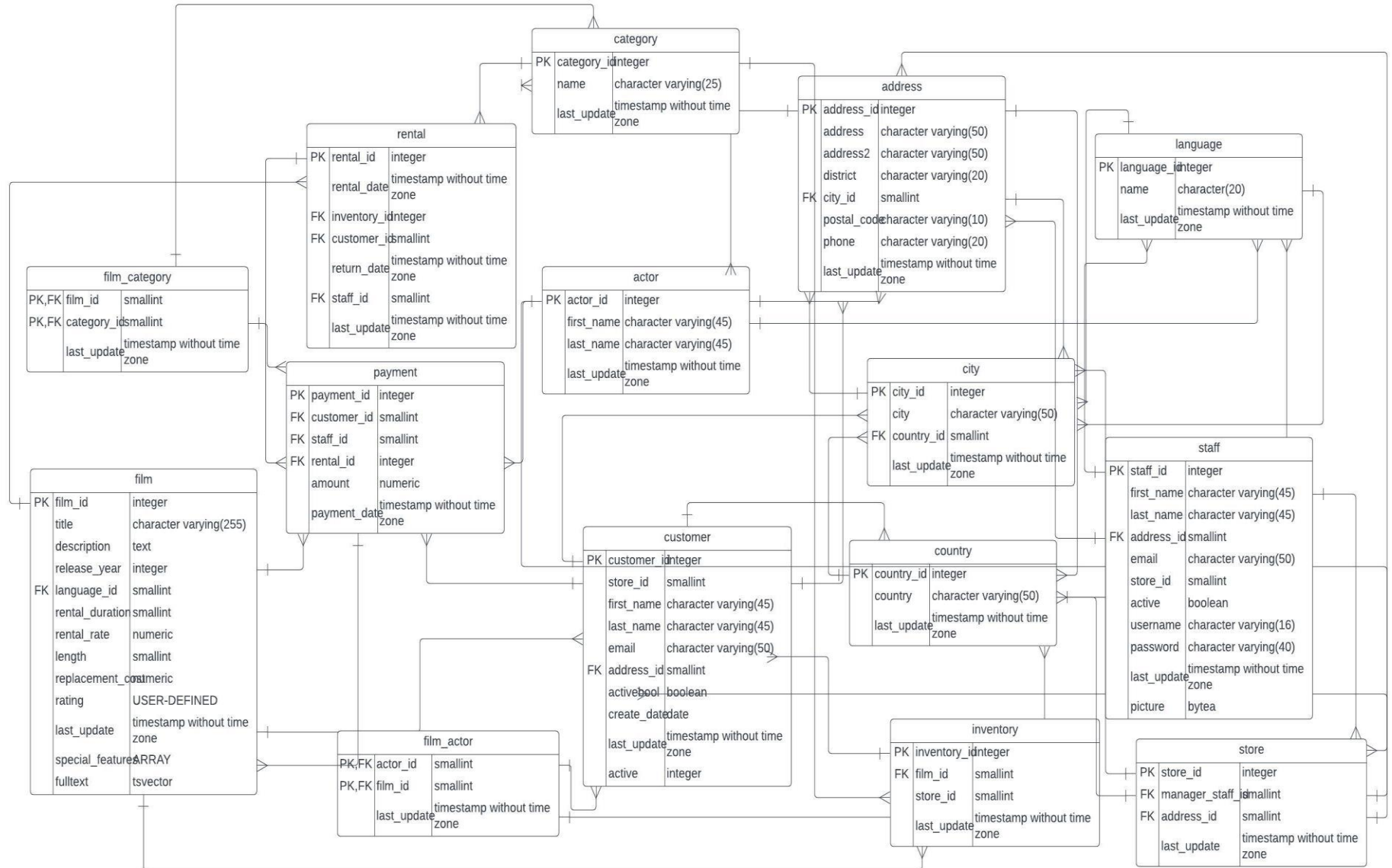
Rockbuster Stealth LLC

Data Dictionary

A collage of film-related items on a wooden surface. In the top left, there's a large, dark blue film reel. To its right is a clapperboard with black and white diagonal stripes. Below the reel is a small, coiled film strip. In the bottom left, another film strip is visible. The clapperboard has labels for 'DATE', 'TAKE', 'SCENE', 'DIRECTOR', and 'MAN'.

Rockbuster Stealth LLC

1. ERD Diagram with Lucid Chart



2.

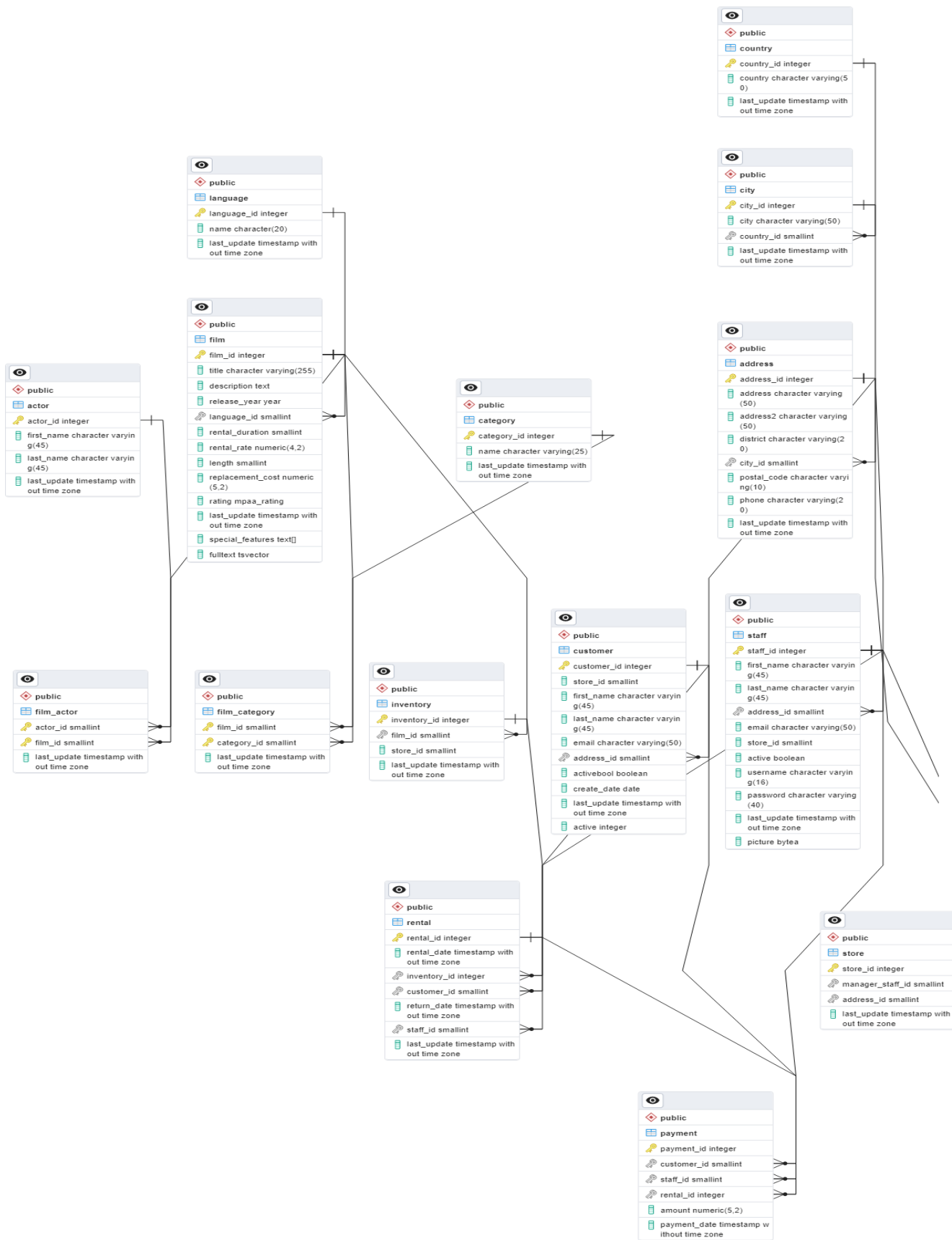




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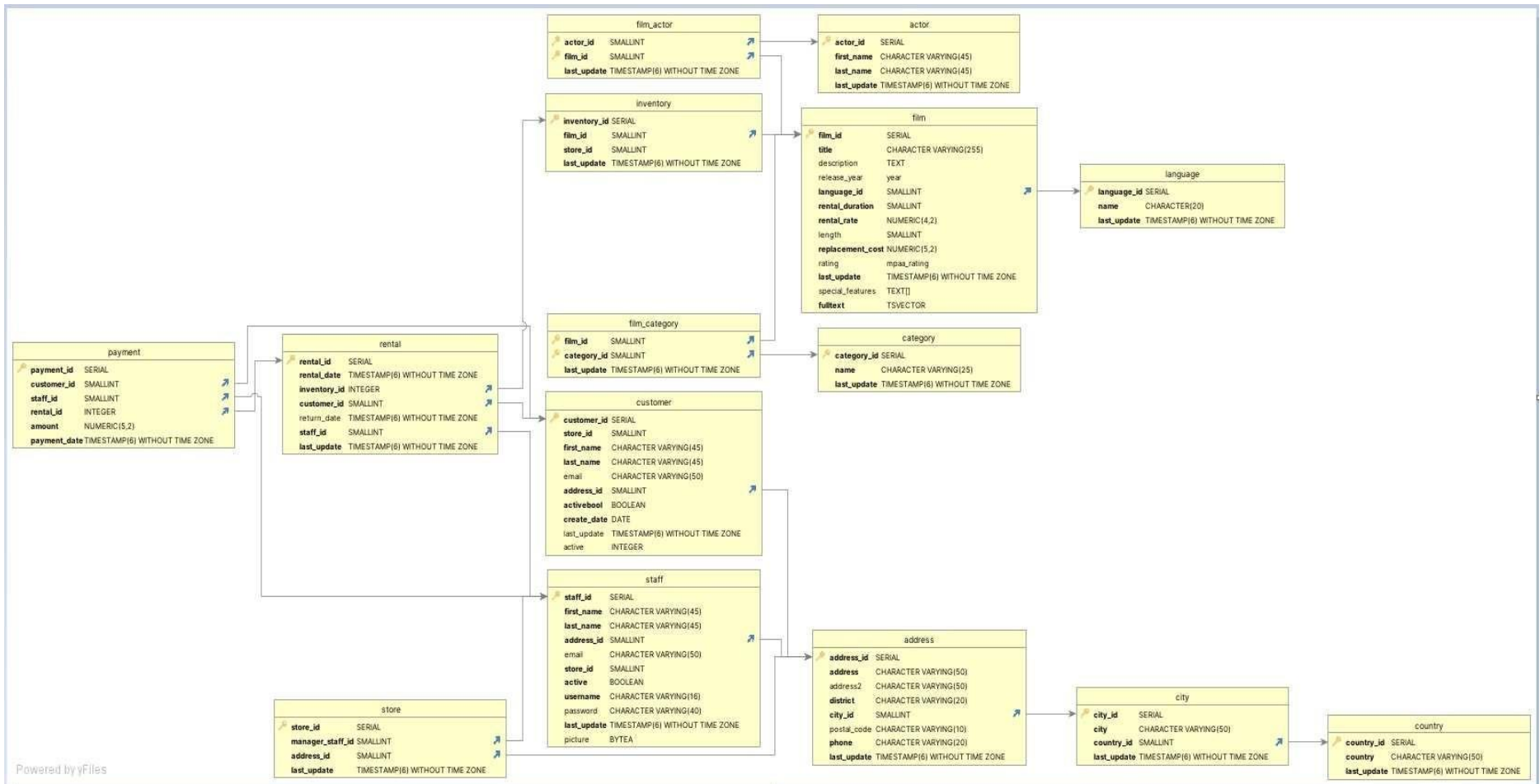
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Rockbuster Stealth LLC

This is a data dictionary for Rockbuster Stealth LLC from the PostgreSQL server database.

Rockbuster Stealth LLC is a movie rental company that plans to launch an online video rental service. The company has a large and complex database that contains information on films, customers, payments, rentals, and more.

Entity Relationship Diagram



FACT TABLES



Primary Key



Foreign Key

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 (5,2)	Amount of payment received
Payment_date	Timestamp w/o Time Zone	Date of payment

Links to





Table	Join	Description
Customer	Payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
Staff	Payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
Rental	Payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id

Links from

This table does not link from any tables

Unique keys

Columns	Description
Payment_id	A unique identifier for payment
Customer_id	A unique identifier for customer
Staff_id	A unique identifier for staff
Rental_id	A unique identifier for rental

rental		
Column	Data Type	Description
Rental_id 	Serial	Unique identifier for rental
Rental_date	Timestamp(6) without time zone	Time and date of rental without time zone
Inventory_id 	Integer	Unique identifier for inventory
Customer_id 	Small int	Unique identifier for inventory
Return_id	Timestamp	The date and time when the rental is returned
Staff_id 	Int2	Identifier of the staff member involved in the rental process
Last_update	Timestamp	The date and time of the last update to the rental record





Links to

Table	Join	Description
Inventory	Rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
Customer	Rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
Staff	Rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

Links from

Table	Join	Description
Payment	Rental.rental_id = payment.rental_id	Foreign key constraint referencing payment.rental_id


Unique keys

Columns	Description
Rental_id 	A unique identifier for rentals
Inventory_id 	A unique identifier for inventory
Customer_id 	A unique identifier for customer
Staff_id 	A unique identifier for staff

DIMENSION TABLES

Primary Key

Foreign Key

actor		
Column	Data Type	Description
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(6) without time zone	Last update of actor profile


Links to



This table does not link to any table

Links from

Table	Join	Description
Film_actor	Actor.actor_id = film_actor.actor_id	Foreign key reference to the film_actor table

Unique keys

Column	Description
Actor_id 	Unique actor identifier

address		
Column	Data Type	Description
Address_id 	Serial	Unique identifier of address
Address	Character varying (50)	First line of address
Address2	Character varying (50)	Second line of address
District	Character varying (20)	Region of address
City_id 	Small int	Unique identifier of city


Link to


Table	Join	Description
City	City.city_id = address.city_id	Foreign key reference to the city table

Links from

Table	Join	Description
Customer	Custome.address_id = address.address_id	Foreign key reference to the customer table
Staff	Starr.address_id = address.address_id	Foreign key reference to the staff table
Store	Store.address_id = address.address_id	Foereign key reference to the store table

Unique keys

Column	Description
Address_id 	Unique address identifier

category		
Column	Data Type	Description
Category_id 	Serial	Unique identifier of category
Name	Character varying (25)	Name of category
Last_update	Timestamp(6) without time zone	Last update of category


Links to



This table does not link to any tables.

Links from

Column	Join	Description
Film_category	Film_category.category_id = category.category_id	Foreign key reference to the film_category table

Unique keys

Column	Description
Category_id 	Unique category identifier

city		
Column	Data Type	Description
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(6) without time zone	Last update of city



Links to


Table	Join	Description
Country	Country.country_id = city. Country_id	Foreign key reference to the country table

Links from

Table	Join	Description
Address	Address.city_id = city.city_id	Foreign key reference to the address table

Unique keys

Column	Description
City_id 	Unique city identifier
Country_id 	Identifier of the country associated with the city

country		
Column	Data Type	Description
Country_id 	serial	Unique identifier of country
Country	Character varying (50)	Nzmd of country
Last_update	Timestamp(6) without time zone	Last update of country


Link to



This table does not link to any tables.

Links from

Table	Join	Description
City	City.country_id = country.country_id	Foreign key reference to the city table

Unique keys

Column	Description
Country_id 	Unique country identifier

customer		
Column	Data Type	Description
Customer_id 	Serial	Unique identifier of customer
Store_id	Small int	Unique identifier of store
First_name	Character varying (45)	First name of customer
Last_name	Character varying (45)	Last name of customer
Email	Character varying (50)	Customer email address
Address_id 	Small int	Unique identifier of address
Activebool	Boolean	Status of whether customer is active or not
Create_date	Date	Date of customer profile creation
Last_update	Timestamp(6) without time zone	Last update of customer profile
active	integer	Active status represented by 1 or 0



Links to



Table	Join	Description
Address	Address.address_id = customer.customer_id	Foreign key reference to the address table

Links from

Table	Joine	Description
Payment	Payment.customer_id = customer.customer_id	Foreign key reference to the payment table
Rental	Rental.customer_id = customer.customer_id	Foreign key reference to the rental table

Unique keys

Column	Description
Customer_id 	Unique customer identifier
Address_id 	Identifier of the address associated with the customer

film		
Column	Data Type	Description
Film_id 	Serial	Unique identifier of film
Title	Character varying (255)	Full title of film
Description	Text	Description of film
Release_year	Year	Release year of film
Language_id 	Small int	Unique identifier of language
Rental_duration	Small int	Duration of rental
Rental_rate	Numeric (4,2)	Cost of rental
Length	Small int	Length of film
Replacement_cost	Numeric (5,2)	Cost to replace film
Rating	Mpaa_rating	Rating of film
Last_update	Timestamp(6) without time zone	Last update of film profile
Special_features	Text []	Special features of film
Fulltext	Tsvector	Full text index; info about significant words and their location



Links to



Table	Join	Description
Language	Language.language_id = film.language_id	Foreign key reference to the actor table

Links from

Table	Join	Description
Film_actor	Film_actor.film_id = film.film_id	Foreign key reference to the film_actor table
Inventory	Inventory.film_id = film.film_id	Foreign key reference to the inventory table
Film_category	Film_category.film_id = film.film_id	Foreign key reference to the film_category table

Unique keys

Column	Description
Film_id 	Unique film identifier
Language_id 	Identifier of the language used in the film

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(6) without time zone	Last update of film actor



Links to



Table	Join	Description
Actor	Actor.acotr_id = film_actor.actor_id	Foreign key reference to the actor table
Film	Film.film_id = film_actor.film_id	Foreign key reference to the film table

Links from

This table does not link from any tables.

Unique keys

Column	Description
Actor_id 	Identifier of the actor associated with the film
Film_id 	Identifier of the film associated with the actor

Film_category		
Column	Data Type	Description
Film_id 	Small int	Unique identifier of film
Category_id 	Small int	Unique identifier of category
Last_update	Timestamp(6) without time zone	Last update of film



Links to



Table	Join	Description
Film	Film.film_id = category.film_id	Foreign key reference to the film table
Category	Category.category_id = film_category.category_id	Groeign key reference to the category table

Links from

This table does not link from any tables.

Unique keys

Column	Description
Film_id 	Identifier of the film associated with the category
Category_id 	Identifier of the category associated with the film

inventory		
Column	Data Type	Description
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(6) without time zone	Last update of inventory



Links to


Table	Join	Description
Film	Film.film_id = inventory.film_id	Foreign key reference to the address table

Links from

Table	Join	Description
Rental	Rental.inventory_id = inventory.inventory_id	Foreign key reference to the rental table

Unique keys

Column	Description
Inventory_id 	Unique inventory identifier
Film_id 	Identifier of the film

language		
Column	Data Type	Description
Language_id 	Serial	Unique identifier of language
Name	Character (20)	Name of language
Last_update	Timestamp(6) without time zone	Last update of language


Links to



This table does not link to any tables.

Links from

Table	Join	Description
Film	Film.language_id = language.language_id	Foreign key reference to the staff table

Unique keys

Column	Description
Language_id 	Unique language identifier

staff		
Column	Data Type	Description
Staff_id 	Serial	Unique identifier of staff member
First_name	Character varying (45)	First name of staff member
Last_name	Character varying (45)	Last name of staff member
Address_id 	Small int	Unique identifier of address
Email	Character varying (50)	Staff member email address
Store_id	Small int	Unique identifier of store
Active	Boolean	Status of whether staff is currently employed
Username	Character varying (16)	Staff member's username
Password	Character varying (40)	Staff member's password
Last_update	Timestamp(6) without time zone	Last update of staff member profile
picture	bytea	Picture of staff member



Links to


Table	Join	Description
Address	Address.address_id = staff.address_id	Foreign key reference to the address table

Links from

Table	Join	Description
Rental	Rental.staff_id = staff.staff_id	Foreign key reference to the rental table
Payment	Payment.staff_id = staff.staff_id	Foreign key reference to the payment table
Store	Store.manager_staff_id = staff.staff_id	Foreign key reference to the store table

Unique keys

Column	Description
Staff_id 	Unique staff identifier
Address_id 	Identifier of the address associated with the staff member

store		
Column	Data Type	Description
Store_id 	Serial	Unique identifier of store
Manager_staff_id	Small int	Unique identifier of staff manager
Address_id	Small int	Unique identifier of address
Last_update	Timestamp(6) without time zone	Last update of store profile


Links to

Table	Join	Description
Staff	Staff_staff_id = store.staff_manager_id	Foreign key reference to the staff table
Address	Address.address_id = store.address_id	Foreign key reference to the address table

Links from

This table does not link from any tables.

Unique keys

Column	Description
Store_id 	Unique store identifier
Manager_staff_id	Identifier of the staff member who manages the store
Address_id	Identifier of the address associated with the store