

Data Dictionary

Rockbuster Stealth

LLC

Chase

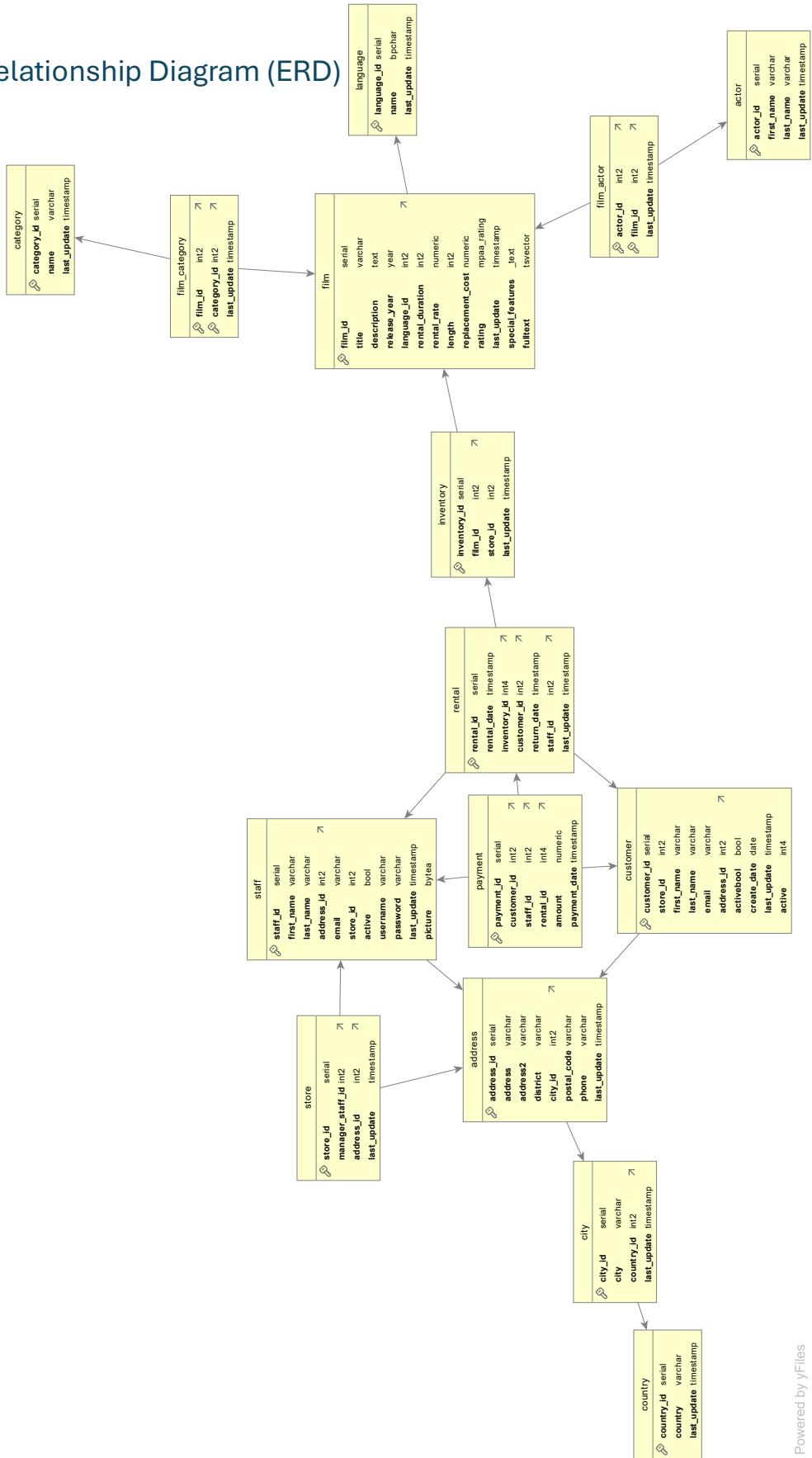
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Entity Relationship Diagram (ERD)



Legend	
	Primary Key
	Foreign Key
	Composite Key

Fact Tables

Payment Table

Key	Columns	Data Type	Type Description
🔑	payment_id	serial	Unique identifier for payment
🔑	customer_id	small int	Unique identifier for the customer
🔑	staff_id	small int	Unique identifier for the staff members
🔑	rental_id	integer	Unique identifier for the rental
	amount	numeric	Payment amount
	payment_data	timestamp	Payment date

Payment - Links To Table

Column	Links To	Target Column
customer_id	customer	customer_id
staff_id	staff	staff_id
rental_id	rental	rental_id

Rental Table

Key	Columns	Data Type	Type Description
🔑	rental_id	serial	Unique identifier for the rental
	rental_date	timestamp	Date of rental
🔑	inventory_id	integer	Unique identifier for inventory
🔑	customer_id	small int	Unique identifier for the customer
	return_date	timestamp	Date of returned rental
🔑	staff_id	small int	Unique identifier for the staff members
	last_update	timestamp	Timestamp of the last update to the records

Rental -Links To Table

Column	Links To	Target Column
inventory_id	inventory	inventory_id
customer_id	customer	customer_id
staff_id	staff	staff_id

Rental -Links From Table

Source Table	Source Column
payment	payment.rental_id

Dimension Tables

Store Table

Key	Columns	Data Type	Type Description
🔑	store_id	serial	Unique identifier for the store
	manager_staff_id	small int	Unique identifier for the managerial staff
🔑	address_id	small int	Unique identifier for the store
	last_update	timestamp	Timestamp of the last update to the records

Film Actor Table

Key	Columns	Data Type	Type Description
🔑	actor_id	small int	Unique identifier for the actor
🔑	film_id	small int	Unique identifier for the film
	last_update	timestamp	Timestamp of the last update to the records

Film Actor - Links To Table

Column	Links To	Target Column
actor_id	actor	actor_id
film_id	film	film_id

Film Actor -Links From Table

Source Table	Source Column
film_actor	film_actor.actor_id

Inventory Table

Key	Columns	Data Type	Type Description
🔑	inventory_id	serial	Unique identifier for inventory
🔑	film_id	small int	Unique identifier for the film
🔑	store_id	small int	Unique identifier for the store
	last_update	timestamp	Timestamp of the last update to the records

Inventory - Links To Table

Column	Links To	Target Column
film_id	film	film_id
store_id	store	store_id

Inventory -Links From Table

Source Table	Source Column
rental	rental.inventory_id

Film Category Table

Key	Columns	Data Type	Type Description
🔑	film_id	small int	Unique identifier for the film
🔑	category_id	small int	Unique identifier for categories
	last_update	timestamp	Timestamp of the last update to the records

Film Category - Links To Table

Column	Links To	Target Column
film_id	film	film_id
category_id	category	category_id

Customer Table

Key	Columns	Data Type	Type Description
PK	customer_id	serial	Unique identifier for the customer
PK	store_id	small int	Unique identifier for the store
	first_name	varchar	First name of individual
	last_name	varchar	Last name of individual
	email	varchar	Email address
PK	address_id	small int	Unique identifier for the address
	activebool	bool	Indicates if the customer is active
	create_date	date	Date account was created
	last_update	timestamp	Timestamp of the last update to the records
	active	integer	Indicates if the customer is active

Customer - Links To Table

Column	Links To	Target Column
store_id	store	store_id
address_id	address	address_id

Customer -Links From Table

Source Table	Source Column
rental	rental.inventory_id
payment	payment.customer_id

Staff Table

Key	Columns	Data Type	Type Description
	staff_id	serial	Unique identifier for the staff members
	first_name	varchar	First name of individual
	last_name	varchar	Last name of individual
	address_id	int3	Unique identifier for the address
	email	varchar	Email address
	store_id	int3	Unique identifier for the store
	active	bool	Indicates if the customer is active
	username	varchar	Login in username for staff
	password	varchar	Login in password for staff
	last_update	timestamp	Timestamp of the last update to the records
	picture	bytea	Staff member picture

Store - Links To Table

Column	Links To	Target Column
manager_staff_id	staff	staff_id
address_id	address	address_id

Store -Links From Table

Source Table	Source Column
customer	customer.store_id
staff	staff.store_id
inventory	inventory.store_id

Actor Table

Key	Columns	Data Type	Type Description
	actor_id	serial	Unique identifier for the actor
	first_name	varchar	First name of actor
	last_name	varchar	Last name of actor
	last_update	timestamp	Timestamp of the last update to the records

Film Table

Key	Columns	Data Type	Type Description
PK	film_id	serial	Unique identifier for the film
	title	varchar	Film title
	description	text	Film description
	release_year	year	Year film was released
PK	language_id	small int	Unique identifier for language
	rental_duration	small int	Length the film was rented
	rental_rate	numeric	Frequency of film rental
	length	small int	Length of film
	replacement_cost	numeric	Film replacement cost
	rating	mpaa_rating	Film rating (e.g., PG13, R)
	last_update	timestamp	Timestamp of the last update to the records
	special_features	text	List of film special features
	fulltext	tsvector	Full text search vector

Film - Links To Table

Column	Links To	Target Column
language_id	language	language_id

Film -Links From Table

Source Table	Source Column
inventory	inventory.film_id
film_actor	film_actor.film_id
film_category	film_category.film_id

Category Table

Key	Columns	Data Type	Type Description
PK	category_id	serial	Unique identifier for categories
	name	varchar	Name of the category
	last_update	timestamp	Timestamp of the last update to the records

Category -Links From Table

Source Table	Source Column
film_category	film_category.category_id

Address Table

Key	Columns	Data Type	Type Description
	address_id	serial	Unique identifier for the address
	address	varchar	Street address
	address2	varchar	Additional address information
	district	varchar	District or region of the address
	city_id	small int	Unique identifier for the city
	postal_code	varchar	Postal code or ZIP Code
	phone	varchar	Phone Number
	last_update	timestamp	Timestamp of the last update to the records

Address -Links To Table

Column	Links To	Target Column
city_id	city	city_id

Address -Links From Table

Source Table	Source Column
customer	customer.address_id
staff	staff.address_id
store	store.address_id

Language Table

Key	Columns	Data Type	Type Description
	language_id	serial	Unique identifier for language
	name	bpchar	Language name
	last_update	timestamp	Timestamp of the last update to the records

Language -Links From Table

Source Table	Source Column
film	film.language_id

City Table

Key	Columns	Data Type	Type Description
🔑	city_id	serial	Unique identifier for the city
	city	varchar	Name of the city
🔑	country_id	small int	Unique identifier for the country
	last_update	timestamp	Timestamp of the last update to the records

City -Links To Table

Column	Links To	Target Column
country_id	country	country_id

City -Links From Table

Source Table	Source Column
address	address.city_id

Country Table

Key	Columns	Data Type	Type Description
🔑	country_id	serial	Unique identifier for the country
	country	varchar	Name of the country
	last_update	timestamp	Timestamp of the last update to the records

Country -Links From Table

Source Table	Source Column
city	city.country_id