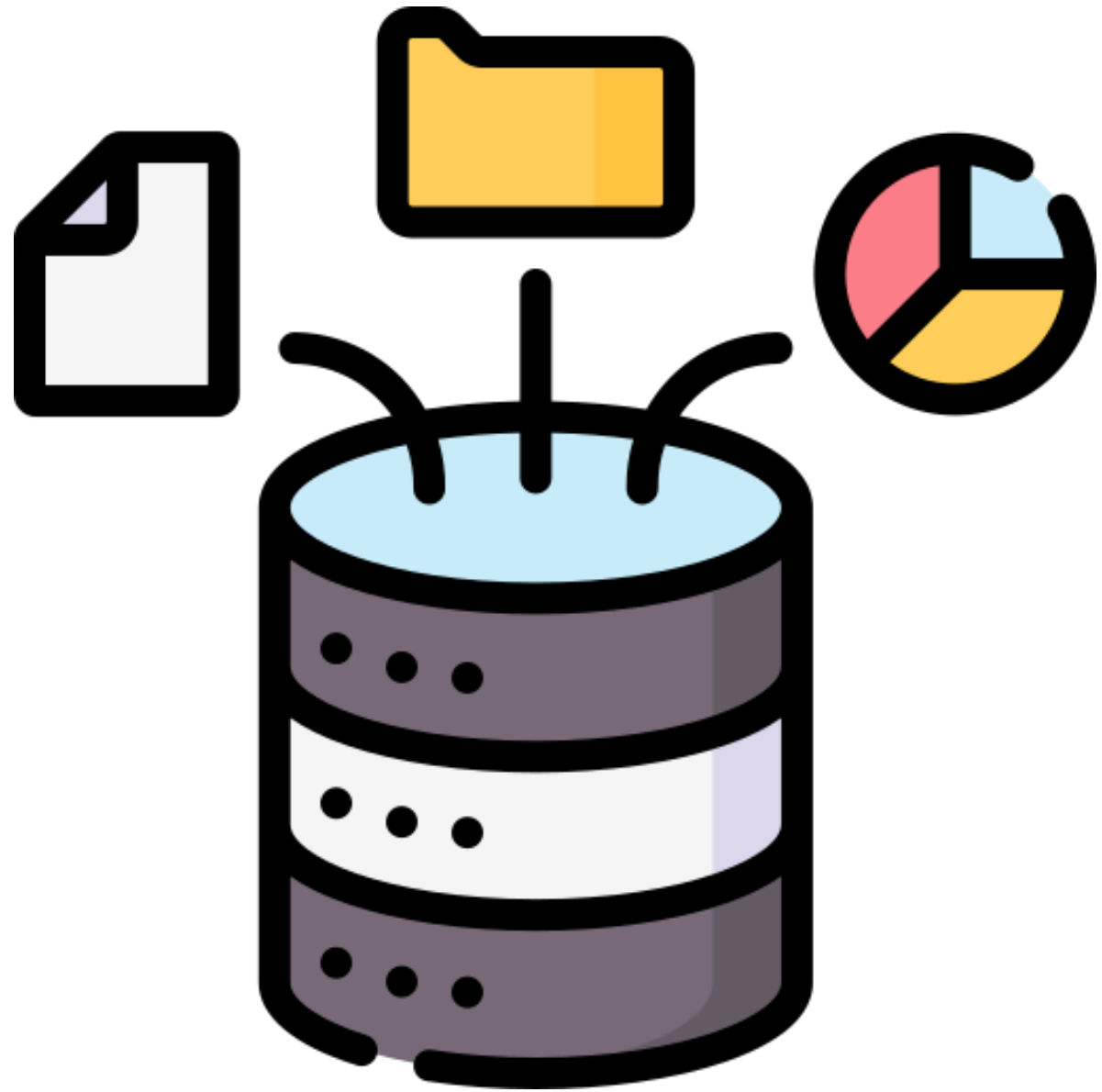# Rockbuster Stealth LLC
Data Dictionary
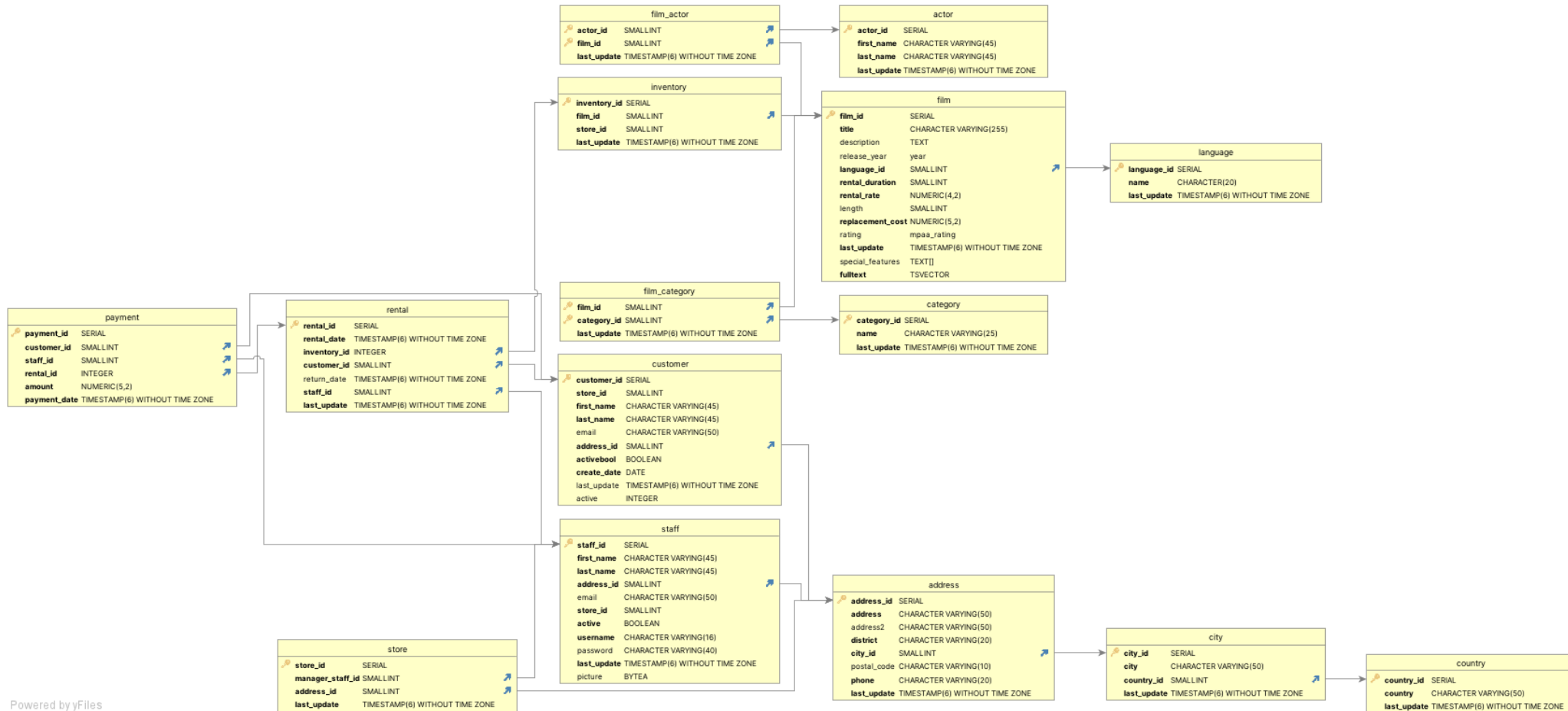
2024-04-01

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Rockbuster Database ERD (Entity Relationship Diagram)

FACT TABLES

Payment

Key	Columns	Data Type	Description	Links
Primary	payment_id	SERIAL	Unique sequence used to identify a payment	
Foreign	customer_id	SMALLINT	Unique number used to identify a customer	customer
Foreign	staff_id	SMALLINT	Unique number used to identify Rockbuster staff member	staff
Foreign	amount	NUMERIC (5,2)	Numeric value to identify cost	rental
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date a payment was made	

Rental

Key	Columns	Data Type	Description	Links
Primary	rental_id	SERIAL	Unique number used to identify a rental transaction	payment
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time used to indicate the date and time a rental transaction was created	
Foreign	inventory_id	INTEGER	Unique number used to represent a rental transaction	inventory
Foreign	customer_id	SMALLINT	Unique number used to identify the customer	customer

Key	Columns	Data Type	Description	Links
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time that indicates when a rental was returned	
Foreign	staff_id	SMALLINT	Unique number used to identify Rockbuster staff member	staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

DIMENSION TABLES

Actor

Key	Columns	Data Type	Description	Links
Primary	actor_id	SERIAL	Unique number used to identify the actor in the database	film_actor
	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 last update	

Address

Key	Columns	Data Type	Description	Links
Primary	adress_id	SERIAL	Unique sequence used to identify the address in this table	store, staff
	address	CHARACTER VARYING(50)	Address line 1	
	address2	CHARACTER VARYING(50)	Address line 2	
	district	CHARACTER VARYING(20)	Indicates the district/state/region name	
Foreign	city_id	SMALLINT	Unique number used to identify the city in this database	city
	postal_code	CHARACTER VARYING(10)	Postal code	
	phone	CHARACTER VARYING(20)	Phone number associated with the address in this database	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

Category

Key	Columns	Data Type	Description	Links
Primary	category_id	SERIAL	Unique sequence used to identify a film category in this database	
	name	CHARACTER VARYING(25)	Name of the film category	
	last_update	TIMESTAMP(6)	Date and time of last update	

		WITHOUT TIME ZONE		

City

Key	Columns	Data Type	Description	Links
Primary	city_id	SERIAL	Unique sequence used to identify the city in this database	film_category
	city	CHARACTER VARYING(50)	City name associated with the address in this database	
Foreign	country_id	SMALLINT	The unique number used to identify the country this database	country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

Country

Key	Columns	Data Type	Description	Links
Primary	country_id	SERIAL	The unique sequence used to identify the country this database	
	country	CHARACTER VARYING(50)	Country name	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

Customer

Key	Columns	Data Type	Description	Links
Primary	customer_id	SERIAL	Unique sequence used to identify a customer	city
	store_id	SMALLINT	Unique number used to identity a Robuster store	
	first_name	CHARACTER VARYING(45)	Customer's first name	
	last_name	CHARACTER VARYING(45)	Customer's last name	
	email	CHARACTER VARYING(50)	Customer's email	
Foreign	address_id	SMALLINT	Unique number used to identify the address in this table	address
	activebool	BOOLEAN	True or false statement to indicate the customer account status	
	create_date	DATE	Date when the customer account was created	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	
	active	INTEGER	A number used to indicate whether a customer account is active	

Film

Key	Columns	Data Type	Description	Links
Primary	film_id	SERIAL	Unique sequence used to identify a film	film_actor, inventory
	title	CHARACTER	Film title	

		VARYING(255)		
	description	TEXT	Text containing the Film's synopsis	
	release_year	year	The year the film was released	
Foreign	language_id	SMALLINT	Unique number used to identify the language of film	language
	rental_duration	SMALLINT	The number of days a film was rented for	
	rental_rate	NUMERIC(4,2)	How often the film is rented	
	length	SMALLINT	Duration of the film in minutes	
	replacement_cost	NUMERIC(5,2)	Monetary amount the customer will be charged if the rental film is lost or damaged	
	rating	mpaa_rating	Film rating determined by Motion Picture Association	
	special_features	TEXT[]	Special features associated with the film rental	
	fulltext	TSVECTOR	List of words or value that can be used in a full-text search	

Film Actor

Key	Columns	Data Type	Description	Links
Composite	actor_id	SMALLINT	Unique number used to identify the actor in the database	actor
Composite	film_id	SMALLINT	Unique number used to identify a film	film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

Film Category

Key	Columns	Data Type	Description	Links
Composite	film_id	SMALLINT	Unique number used to identify a film	film
Composite	category_id	SMALLINT	Unique number used to identify a film category in this database	category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

Inventory

Key	Columns	Data Type	Description	Links
Primary	inventory_id	SERIAL	Unique sequence used to identify a film or item that is rentable to customers	rental
Foreign	film_id	SMALLINT	Unique number used to identify a film	film
	store_id	SMALLINT	Unique number used to identity a Robuster store	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	

Language

Key	Columns	Data Type	Description	Links
Primary	language_id	SERIAL	Unique sequence used to identify the language of film	film
	name	CHARACTER(20)	The name of the language of the film	

		TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	
	last_update			

Staff

Key	Columns	Data Type	Description	Links
Primary	staff_id	SERIAL	Unique sequence used to identify a staff member	payment
	first_name	CHARACTER VARYING(45)	Employee's first name	
	last_name	CHARACTER VARYING(45)	Employee's last name	
Foreign	address_id	SMALLINT	Unique number used to identify the address in this table	address
	email	CHARACTER VARYING(50)	Employee's email	
	store_id	SMALLINT	Unique number used to identify a Rockbuster store	
	active	BOOLEAN	True or false statement to indicate the staff employment status	
	username	CHARACTER VARYING(16)	Employee's username	
	password	CHARACTER VARYING(40)	Employee's password	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	
	picture	BYTEA	Employee identification picture	

Store

Key	Columns	Data Type	Description	Links
Primary	store_id	SERIAL	Unique sequence used to identify a Rockbuster store	
Foreign	manager_staff_id	SMALLINT	Unique number used to identify the manager staff	staff
Foreign	address_id	SMALLINT	Unique number used to identify the address in this table	address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update	