Rockbuster Stealth LLC Data Dictionary
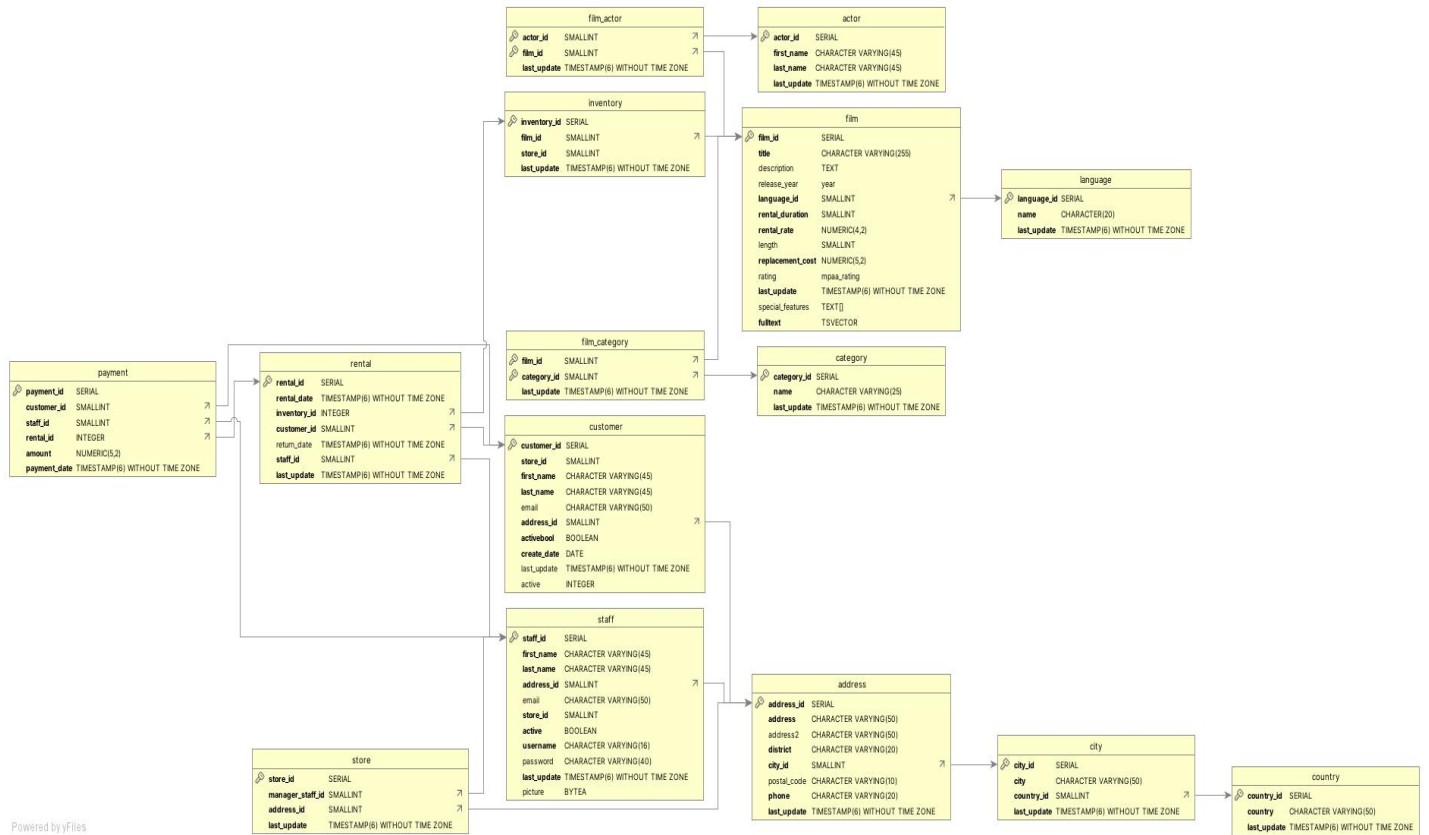
Created by: Elena Svirko

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1. Entity Relationship Diagram (ERD)

2. Tables

LEGEND   **Primary Key**   **Foreign Key**

2.1 Fact Tables

2.1.1   Payment

column_name	data_type	description
payment_id	integer	payment identifying number
customer_id	smallint	customer identifying number
staff_id	smallint	staff identifying number
rental_id	integer	rental transaction identifying number
amount	numeric	the total cost of the rental
payment_date	timestamp without time zone	date and time the rental was paid for

Links to: Rental via rental_id, Customer vis customer_id, Staff via staff_id

2.1.2   Rental

column_name	data_type	description
rental_id	integer	rental transaction identifying number
rental_date	timestamp without time zone	date and time the film was rented
inventory_id	integer	rental unit identifying number
customer_id	smallint	customer identifying number
return_date	timestamp without time zone	date and time the film was returned
staff_id	smallint	staff identifying number
last_update	timestamp without time zone	date and time the data was updated

Links to: Inventory via inventory_id, Customer via customer_id, Staff via staff_id
Links from: Payment via rental_id

2.2 Dimension Tables

2.2.1   Actor

column_name	data_type	description
actor_id	integer	actor identifying number

column_name	data_type	description
first_name	character varying	actor first name
last_name	character varying	actor last name
last_update	timestamp without time zone	date and time the data was updated

Links from: Film_actor via actor_id

2.2.2 Address

column_name	data_type	description
address_id	integer	address identifying number
address	character varying	first line of address of the staff or customer or store
address2	character varying	second line of address of the staff or customer or store
district	character varying	geographic area of staff, customer or store
city_id	smallint	city identifying number
postal_code	character varying	postal code of staff, customer or store
phone	character varying	phone number of the staff or customer or store
last_update	timestamp without time zone	date and time the data was updated

Links to: City via city_id

Links from: Customer via address_id, Staff via address_id, Store via address_id

2.2.3 Category

column_name	data_type	description
category_id	integer	category identifying number
name	character varying	name of film category/genre
last_update	timestamp without time zone	date and time the data was updated

Links from: Film_category via category_id

2.2.4 City

column_name	data_type	description
city_id	integer	city identifying number
city	character varying	city name
country_id	smallint	country identifying number

column_name	data_type	description
last_update	timestamp without time zone	date and time the data was updated

Links to: Country via city_id

Links from: Address via city_id

2.2.5 Country

column_name	data_type	description
country_id	integer	country identifying number
country	character varying	country name
last_update	timestamp without time zone	date and time the data was updated

Links from: City via city_id

2.2.6 Customer

column_name	data_type	description
customer_id	integer	customer identifying number
store_id	smallint	store identifying number
first_name	character varying	customer first name
last_name	character varying	customer last name
email	character varying	customer email address
address_id	smallint	address identyfying number
activebool	boolean	identifies if customer is active in the system (true/false values)
create_date	date	date the customer was first entered into the system
last_update	timestamp without time zone	date and time the data was updated
active	integer	identifies if customer is active in the system (integer values)

Links to: Address via address_id, Store via store_id

Links from: Payment via customer_id, Rental via customer_id

2.2.7 Film

column_name	data_type	description
film_id	integer	film indentifying number
title	character varying	film title

description	text	film description
release_year	integer	the year film was released
language_id	smallint	language identifying number
rental_duration	smallint	number of days the film is rented for
rental_rate	numeric	cost to rent the film per day
length	smallint	how long the film is in minutes
replacement_cost	numeric	cost to replace the film
rating	user-defined	film's rating by the users
last_update	timestamp without time zone	date and time the data was updated
special_features	array	special feature(s) included with the film
fulltext	tsvector	key words associated with the film

Links to: Language via language_id
Links from: Film_actor via film_id, Film_category via film_id, Inventory via film_id

2.2.8 Film_actor

column_name	data_type	description
actor_id	smallint	actor identifying number
film_id	smallint	film indentifying number
last_update	timestamp without time zone	date and time the data was updated

Links to: Actor via actor_id, Film via film_id

2.2.9 Film_category

column_name	data_type	description
film_id	smallint	film indentifying number
category_id	smallint	category identifying number
last_update	timestamp without time zone	date and time the data was updated

Links to: Category via category_id, Film via film_id

2.2.10 Inventory

column_name	data_type	description
inventory_id	integer	rental unit identifying number
film_id	smallint	film indentifying number

column_name	data_type	description
store_id	smallint	store identifying number
last_update	timestamp without time zone	date and time the data was updated

Links to: Film via film_id, Store via store_id
Links from: Rental via inventory_id

2.2.11 Language

column_name	data_type	description
language_id	Integer	language identifying number
name	Character	language spoken in the film
last_update	timestamp without time zone	date and time the data was updated

Links from: Film via language_id

2.2.12 Staff

column_name	data_type	description
staff_id	integer	staff identifying number
first_name	character varying	staff first name
last_name	character varying	staff last name
address_id	smallint	address identyfying number
email	character varying	staff email
store_id	smallint	store identyfying number
active	boolean	identifies if staff member is active in the system (true/false values)
username	character varying	staff username
password	character varying	staff password
last_update	timestamp without time zone	date and time the data was updated
picture	bytea	picture of the staff member

Links to: Film via film_id, Store via store_id
Links from: Rental via inventory_id

2.2.13 Store

column_name	data_type	description
store_id	serial	store identifying number

manager_staff_id	smallint	manager identifying number
address_id	smallint	address identifying number
last_update	timestamp without time zone	date and time the data was updated

Links to: address via address_id, Staff via staff_id