



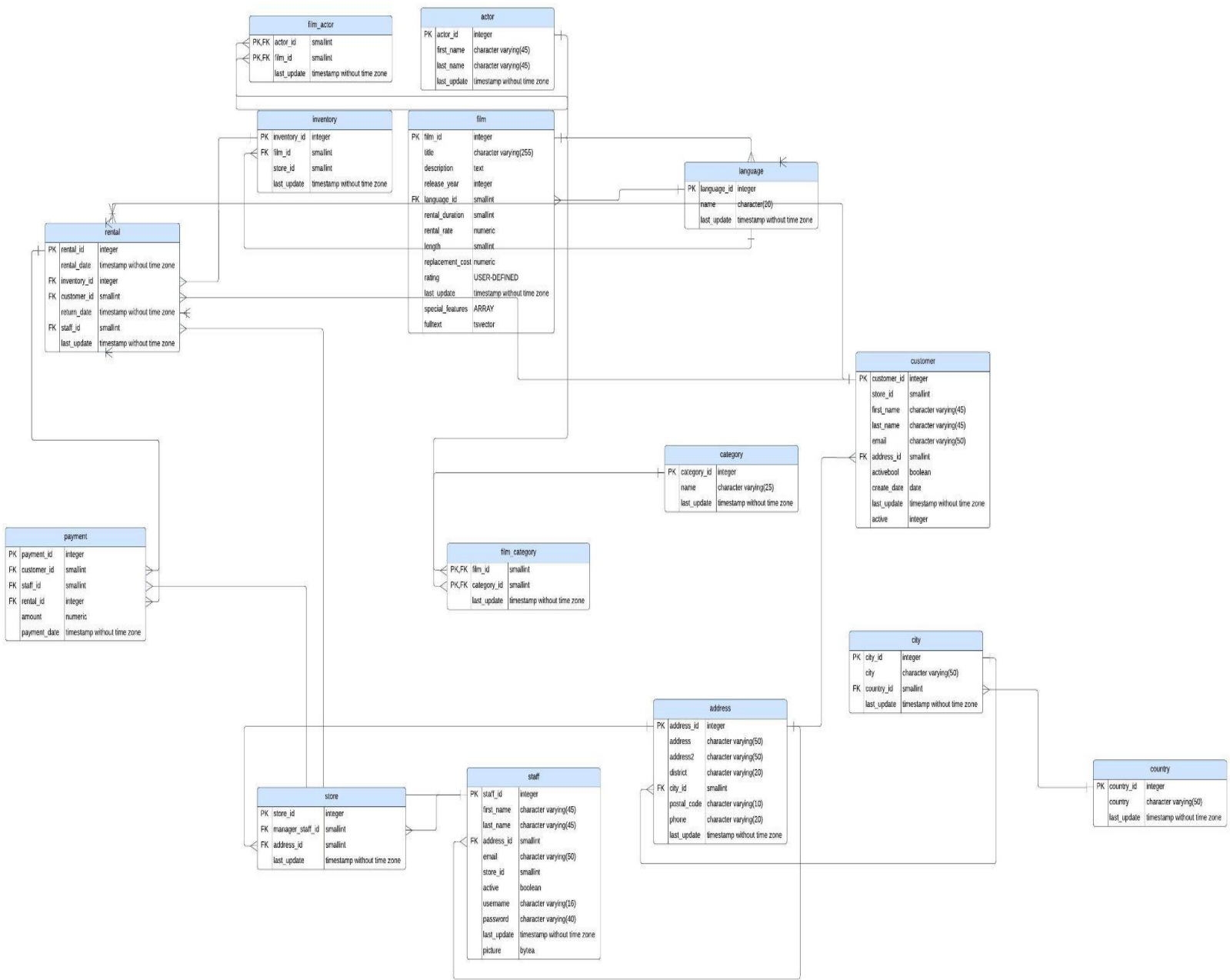
Rockbuster Stealth LLC Data Dictionary

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ENTITY RELATIONSHIP DIAGRAM

RockBuster



PK- Primary Key
FK- Foreign Key

Fact Tables

Payment: linked to customer, rental, staff		
Column	Data Type	Description
Payment_id (PK)	Serial	Unique identification for payment
Customer_id (FK)	Small int	Unique identification for customer
Staff_id (FK)	Small int	Unique identification for staff
Rental_id (FK)	Integer	Unique identification for rental
Amount	Numbers(5,2)	Numerical cost amount
Payment date	Timestamp(6) without time zone	Time and date of payment

Rental		
Column	Data Type	Description
Rental_id (PK)	Serial	Unique identification for rental
Rental_Date	Timestamp(6) without time zone	Time and date of payment
Inventory_id (FK)	Integer	Unique identification for inventory
Customer_id (FK)	Small int	Unique identification for customer
Return_date	Timestamp(6) without time zone	Time and date of return
Staff_id (FK)	Small int	Unique identification for staff
Last_update	Timestamp(6) without time zone	Time and date of update

Dimension Tables:

Staff: linked to payment, rental, address, store		
Staff_ID (PK)	Serial	Unique identification for staff
First_Name	Character varying (45)	First name of staff
last_name	Character varying (45)	Last name of staff
Address_id (FK)	Small int	Unique identification for address
email	Character varying (50)	Email address for Staff
Store_id (FK)	Small int	Unique identification for store
active	Boolean	Staff employment status
username	Character varying (16)	Username for staff
password	Character varying (40)	Password for staff
Last_update	timestamp(6) without time zone	Last update of staff's profile
picture	Bytea	Staff picture

Customer:linked to Address, Inventory, Payment		
Column	Data Type	Description
Customer_ID (PK)	serial	Unique identification for customer
Store_id (FK)	Small int	Unique identification for store
first_name	Character varying (45)	Customer's first name
last_name	Character varying (45)	Customers last name
email	Character varying (50)	Customers email address
Address_id (FK)	Small int	Unique identification for address

create_date	date	Date of customer profile creation
last_update	timestamp(6) without time zone	Last update on customer profile
Active	Integer	Active statues represented by 1 or 0

Address: linked to City, Customer,Staff,Store		
Column	Data Type	Description
Address_id (PK)	serial	Unique identification for 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 (FK)	Small int	Unique identification for city
postal_code	Character varying (10)	Address postal code
phone	Character varying (20)	Phone number for address
last_update	timestamp(6) without time zone	Last update for address

Store: linked to staff, address		
Column	Data Type	Description
Store_id (PK)	serial	Unique identification for store
Manager_staff_id (FK)	Small int	Unique identification for staff manager
Address_id (FK)	Small int	Unique identification for address
last_update	timestamp(6) without time zone	Last update for store profile

Country: linked to City		
Column	Data Type	Description
Country_id (PK)	serial	Unique identification for Country
last_update	timestamp(6) without time zone	Last update for country

City: linked to Country, Address		
Column	Data Type	Description
City_id(PK)	serial	Unique identification for City
City	Character varying (50)	Name of City
Country_id(FK)	Small int	Unique identification for Country
last_update	timestamp(6) without time zone	Last update for City

Film: linked to Inventory, Language, Film_category		
Column	Data Type	Description
Film_id (PK)	serial	Unique identification for Film
title	Character varying (255)	Full title of Film
description	text	Description of Film
release_year	year	Year film was released
Language_id (FK)	Small int	Unique identification for language
rental_duration	Small int	Duration of rental
rental_rate	Numeric (4,2)	Rental cost
length	Small int	Length of film

replacement_cost	Numeric (5,2)	Film replacement cost
rating	mpaa_rating	Film rating
last_update	timestamp(6) without time zone	Last update for film profile
special_features	text	Special feature for film
fulltext	tsvector	full text index; info about significant words and their location

Film_actor: linked to Film_category, Language		
Column	Data Type	Description
Actor_id (PK)	Small int	Unique identification for actor
Film_id (FK)	Small int	Unique identification for film
last_update	timestamp(6) without time zone	Last update for film actor

Actor: linked to language		
Column	Data Type	Description
Actor_id (PK)	serial	Unique identification 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 for Actor profile

Language: linked to Actor, Film		
Column	Data Type	Description
Language_id (PK)	serial	Unique identification for language
name	Character (20)	Name of language

last_update	timestamp(6) without time zone	Last update for language
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Film_category: linked to category,film		
Column	Data Type	Description
Film_id (FK)	Small int	Unique identification for film
Category_id (PK)	Character varying (25)	Name of category
last_update	timestamp(6) without time zone	Last update for category

Category: linked to film_category		
Column	Data Type	Description
Category_id (PK)	serial	Unique identification for category
name	Character varying (25)	Name of category
last_update	timestamp(6) without time zone	Last update for category

Inventory: linked to Film, Rental		
Column	Data Type	Description
Inventory_id (PK)	serial	Unique identification for inventory
Film_id (FK)	Small int	Unique identification for file
Store_id (FK)	Small int	Unique identification for store
last_update	timestamp(6) without time zone	Last update for inventory

Tableau: [RockBuster](#) | [Tableau Public](#)

