

# **Rockbuster Stealth**

**Data Dictionary**

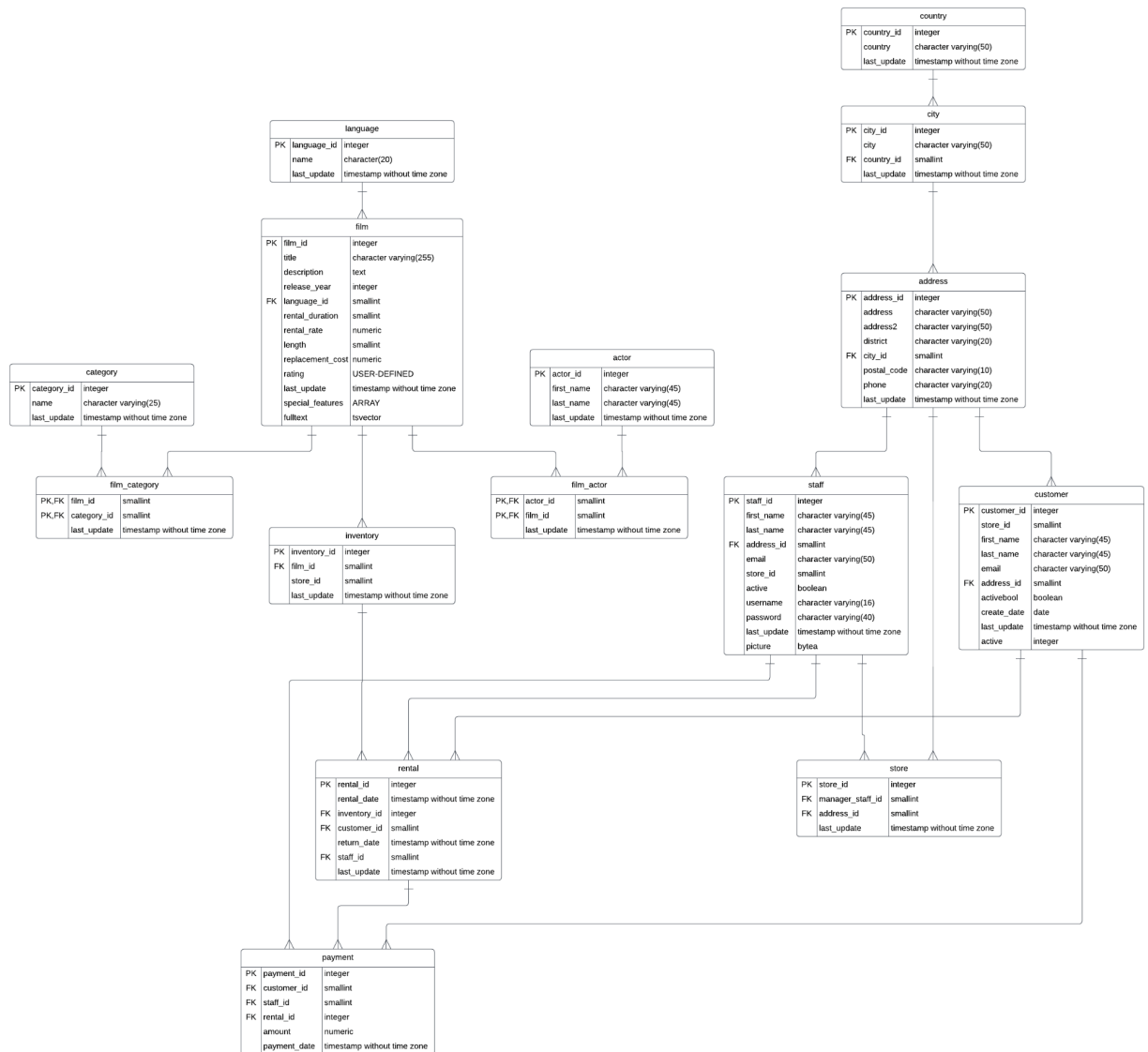
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# 1. Entity Relationship Diagram



## 2. Fact Tables

### 2.1 Rental

Column Name	Data Type	Description	Links From	Links to	Key
rental_id	Integer	Unique number assigned to rental each rental event.	Payment		PK
rental_date	Timestamp without time zone	Date of rental			
inventory_id	integer	Unique number assigned to each item		Inventory	FK
customer_id	smalint	Unique number assigned to each customer		Customer	FK
return_date	Timestamp without time zone	Date of return			
staff_id	smallint	Unique number assigned to each employee		Staff	FK
last_update	Timestamp without time zone	Last update date			

## 3. Dimension Tables

### 3.1 Payment

Column Name	Data Type	Description	Links From	Links to	Key
payment_id	Integer	Unique number assigned to each payment.			PK
customer_id	smallint	unique number assigned to each customer		Customer	FK
staff_id	smallint	Unique number assigned to each employee		Staff	FK
rental_id	integer	unique number assigned to each rental event		Rental	FK
amount	Numeric (5,2)	Amount paid			
payment_date	Timestamp without time zone	Date of payment			

### 3.2 Customer

Column Name	Data Type	Description	Links From	Links to	Key
customer_id	integer	unique number assigned to each customer	Rental Payment		PK
store_id	smallint	unique number assigned to store		Store	FK

first_name	Character varying (45)	First name of the customer			
last_name	Character varying (45)	Last name of the customer			
email	Character varying (50)	Email address of the customer			
address_id	smallint	unique number assigned to customer's address		Address	FK
activebool	boolean	Customer's active status			
create_date	date	Customer account create date			
last_update	Timestamp without time zone	Customer account update date			
active	integer	Customer's active status			

### 3.3 Address

Column Name	Data Type	Description	Links From	Links to	Key
address_id	[PK] integer	unique number assigned to customer's address	Staff Customer		PK
address	Character varying (50)	Street Address			

address2	Character varying (50)	Secondary street address			
district	Character varying (20)	District			
city_id	smallint	unique number assigned to each city		City	FK
postal_code	Character varying (10)	Postal code			
phone	Character varying (20)	Phone number of the customer			
last_update	Timestamp without time zone	Last update date			

### 3.4 City

Column Name	Data Type	Description	Links From	Links to	Key
city_id	[PK] integer	unique number assigned to each city	Address		PK
city	Character varying (50)	City name			
country_id	smallint	unique number assigned to each country		Country	FK
last_update	Timestamp without time zone	Last update date			

### 3.5 Country

Column Name	Data Type	Description	Links From	Links to	Key
country_id	integer	unique number assigned to each country	City		PK
country	Character varying (50)	Country name			
last_update	Timestamp without time zone	Last update date			



### 3.6 Staff

Column Name	Data Type	Description	Links From	Links to	Key
staff_id	[PK] integer	unique number assigned to each country	Rental Payment		PK
first_name	Character varying (45)	Country name			
last_name	Character varying (45)	Last update date			
address_id	smallint	unique number assigned to staff's address		Address	FK
email	Character varying (50)	Email address of the employee			
store_id	smallint	unique number assigned to store		Store	FK
active	boolean	Employee active status			
username	Character varying (16)	Username of the employee			
password	Character varying (40)	Password of the employee			
last_update	Timestamp without time zone	Last update date			
picture	bytea	Picture of the employee			

### 3.7 Inventory

Column Name	Data Type	Description	Links From	Links to	Key
inventory_id	integer	unique number assigned to each inventory item	Rental		PK
film_id	smallint	unique number assigned to each film		Film	FK
store_id	smallint	unique number assigned to each store		Store	FK
last_update	Timestam p without time zone	Last update date			

### 3.8 Film

Column Name	Data Type	Description	Links From	Links to	Key
film_id	integer	unique number assigned to each film	Film_actor Inventory Film_category		PK
title	Character varying (255)	It is a foreign key and unique number assigned to each film			
description	text	It is a foreign key and unique			

		number assigned to each store			
release_year	integer	Film release year			
language_id	smallint	unique number assigned to each language		Language	FK
rental_duration	smallint	Duration of rent in days			
rental_rate	numeric(4, 2)	Rental price of the film			
length	smallint	Length of film			
replacement_cost	numeric(5, 2)	Cost for replacement of film			
rating	mpaa_rating	Rating of film			
last_update	Timestamp without time zone	Last update date			
special_features	text[]	Special features included in the film			
fulltext	tsvector	Keywords associated with the film			

### 3.9 Category

Column Name	Data Type	Description	Links From	Links to	Key
category_id	integer	unique number assigned to each category	Film_category		PK
name	Character varying (25)	Name of each category			
last_update	Timestamp without time zone	Last update date			

### 3.10 Film category

Column Name	Data Type	Description	Links From	Links to	Key
film_id	integer	Unique number assigned to each film		Film	FK
category_id	integer	Unique number assigned to each category		Category	FK
last_update	Timestamp without time zone	Last update date			

### 3.11 Language

Column Name	Data Type	Description	Links From	Links to	Key
language_id	integer	unique number assigned to each language	Film		PK
name	Character (20)	Name of the language			
last_update	Timestamp without time zone	Last update date			

### 3.12 Actor

Column Name	Data Type	Description	Links From	Links to	Key
actor_id	integer	unique number assigned to each actor		Film_actor	PK
first_name	Character varying (45)	First name of actor			
last_name	Character varying (45)	Last name of actor			
last_update	Timestamp without time zone	Last update date			

### 3.13 Film Actor

Column Name	Data Type	Description	Links From	Links to	Key
actor_id	smallint	Unique number assigned to each actor		Actor	FK
film_id	smallint	Unique number assigned to each film		Film	FK
last_update	Timestamp without time zone	Last update date			

### 3.14 Store

Column Name	Data Type	Description	Links From	Links to	Key
store_id	integer	unique number assigned to each store	Customer		PK
manager_staff_id	smallint	unique number assigned to store managing staff		Staff	FK
address_id	smallint	It is a foreign key and unique number assigned to each address		Address	FK
last_update	Timestamp without time zone	Last update date			

