

# **ROCKBUSTER STEALTH**

## **Data Dictionary**

**16/08/2023**

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# 1. Legend

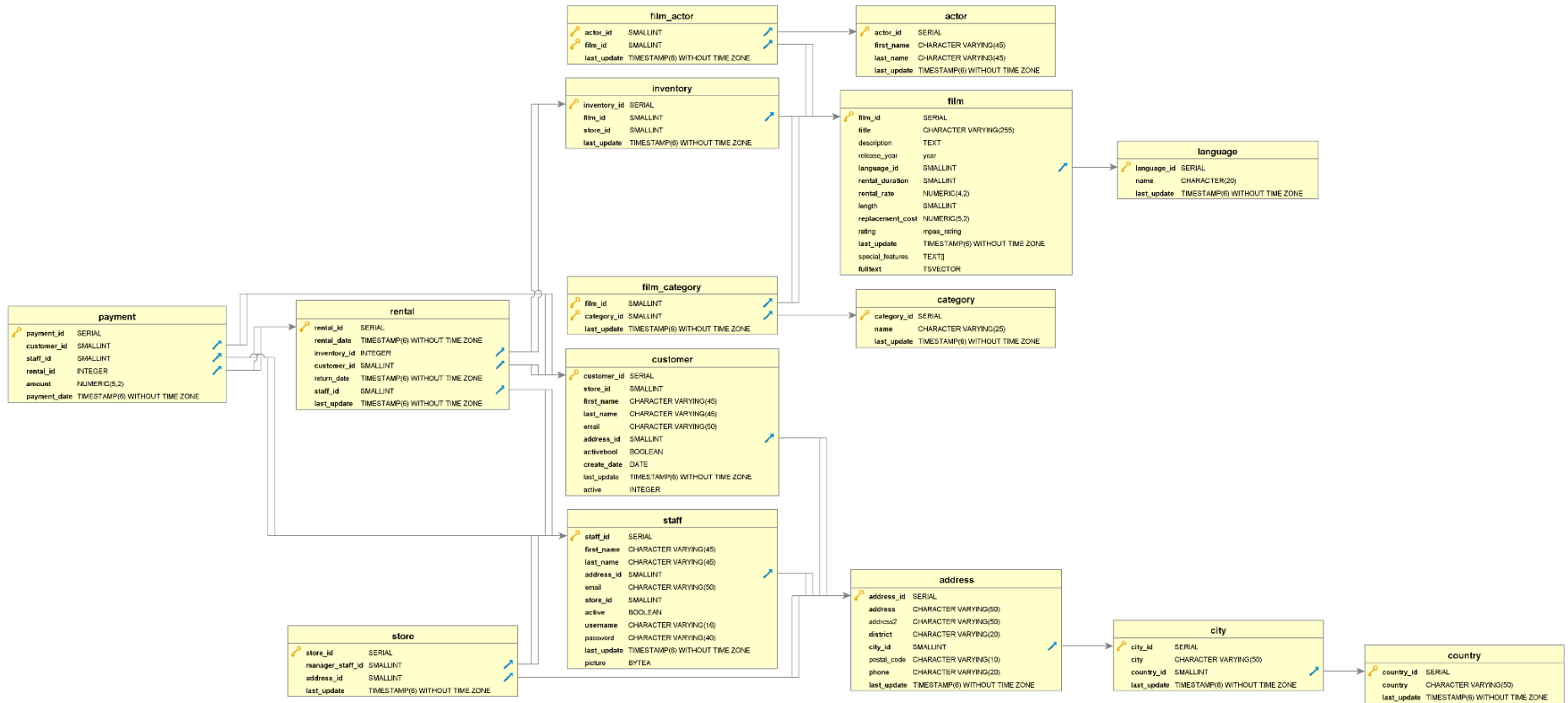
## Primary key

It's a column that acts as a unique identifier for each record in the table. It has to be unique for each entry and it can't be null.

## Foreign key

It's a column that refers to the primary key in another table. They're used to establish relationships between tables.





## 2. ERD



## 3. Tables

### 3.1 Fact

#### Columns

Rental table		
Columns	Data Type	Description
Rental_id 	Serial	Primary key: Unique identifier for rentals
rental_date	Timestamp without time zone	Date and time of rental (YY-MM-DD HH:MM:SS)
Inventory_id 	integer	Foreign key: Unique identifier for inventory that connects to inventory table
Customer_id 	Small int	Foreign key: Unique identifier for customer that connects to customer table
return_date	Timestamp without time zone	Date and time of return (YY-MM-DD HH:MM:SS)
Staff_id 	Small int	Foreign key: Unique identifier for staff that connects to staff table
last_update	Timestamp without time zone	Date and time of latest update (YY-MM-DD HH:MM:SS)





#### Links to

Inventory (inventory\_id), customer (customer\_id), staff (staff\_id)

#### Links from

Payment (rental\_id)

## Columns

Payment table		
Columns	Data Type	Description
Payment_id 	Serial	Unique identifier for payments
Customer_id 	Small int	Foreign key: Unique identifier for customer that connects to customer table.
Staff_id 	Small int	Foreign key: Unique identifier for staff that connects to staff table
Rental_id 	Integer	Foreign key: Unique identifier for rental that connects to rental table
amount	Numeric(5,2)	Amount of payment in \$.
payment_date	Timestamp without time zone	Date and time of payment (YY-MM-DD HH:MM:SS)

## Links to



Customer (customer\_id), Staff (staff\_id), Rental (rental\_id)

## Links from

X

## 3.2 Dimension Tables

### Columns

Film table		
Columns	Data Type	Description
Film_id 	Serial	Primary key: Unique identifier for film
title	Character varying (255)	Film title
description	Text	Film description
release_year	year	Film release year
Language_id 	Small int	Foreign key: Unique identifier for language that connects to language table
rental_duration	Small int	Rental duration in days.
rental_rate	Numeric (4,2)	Rental rate in \$.
length	Small int	Length of film in minutes.
replacement_cost	Numeric (5,2)	Film replacement cost in \$.
rating	mpaa_rating	Film rating (PG, R, NC-17, PG-13, G)
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)
special_features	Text[]	Film's special features
fulltext	TSVECTOR	Description of the film used for searching.


## Links to

Language (language\_id)

## Links from

Film\_actor (film\_id), inventory (film\_id), film\_category (film\_id)

## Columns

Language table		
Columns	Data Type	Description
Language_id 	Serial	Primary key: Unique identifier for language
name	Character(20)	Language name, maximum 20 characters
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)

## Links to


X

## Links from

Film (language\_id)



## Columns

Actor Table		
Columns	Data Type	Description
Actor_id 	Serial	Primary key: Unique identifier for actor
first_name	Character varying (45)	Actor's first name
last_name	Character varying (45)	Actor's last name
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)


## Links to


X

## Links from

Film\_actor (actor\_id)

## Columns

film_actor		
Columns	Data Type	Description
Actor_id 	Serial	Foreign key: Unique identifier for actor that connects to actor table

Film_id 	Serial	Foreign key: Unique identifier for film that connects to film table
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)




## Links to

Film (film\_id)

## Links from

X

## Columns

Inventory Table		
Columns	Data Type	Description
Intentory_id 	Serial	Primary key: Unique identifier for inventory
Film_id 	Serial	Foreign key: Unique identifier for film that connects to film table
Store_id 	Serial	Foreign key: Unique identifier for store that connects to store table
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)



## Links to

Film (film\_id), Store (store\_id)

## Links from

Rental (inventory\_id)

## Columns

Film_category		
Columns	Data Type	Description
Film_id 	Serial	Primary key: Unique identifier for film
Category_id 	Serial	Foreign key: Unique identifier for category that connects to category table
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)


## Links to

Film (film\_id), category (category\_id)

## Links from

X

## Columns

Category table		
Columns	Data Type	Description
Category_id 	Serial	Primary key: Unique identifier for category
name	Character varying (25)	Category name

last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)
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## Links to

X

## Links from

Film\_category (category\_id)

## Columns

Customer table		
Columns	Data Type	Description
Customer_id 	Serial	Primary key: Unique identifier for customer
Store_id 	Serial	Foreign key: Unique identifier for store that connects to store table
first_name	Character varying (45)	Customer first name
last_name	Character varying (45)	Customer last name
email	Character varying (50)	Customer email
Address_id 	Serial	Foreign key: Unique identifier for address that connects to address table
activebool	BOOLEAN	Customer activity status: active or inactive
create_date	DATE	Customer profile creation date (YY-MM-DD)
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)

active	INTEGER	Customer activity status: active or inactive
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## Links to

Store (store\_id), address (address\_id)

## Links from

Payment (customer\_id), rental (customer\_id)

## Columns

Staff table		
Columns	Data Type	Description
Staff_id 	Serial	Primary key: Unique identifier for staff
first_name	Character varying (45)	Staff first name
last_name	Character varying (45)	Staff last name
Address_id 	Serial	Foreign key: Unique identifier for address that connects to address table
email	Character varying (50)	Staff email
Store_id 	Serial	Foreign key: Unique identifier for store that connects to store table
active	BOOLEAN	Staff activity status: active or inactive
username	Character varying (16)	Staff username
password	Character varying (40)	Staff password

last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)
picture	BYTEA	Staff photo



## Links to

Address (address\_id), store (store\_id)

## Links from

X

## Columns

Address table		
Columns	Data Type	Description
Address_id 	Serial	Primary key: Unique identifier for address
address	Character varying (50)	Address
Address 2	Character varying (50)	Address line 2
district	Character varying (20)	District
City_id 	Serial	Foreign key: Unique identifier for city that connects to city table
postal_code	Character varying (10)	Post code without spaces
phone	Character varying (20)	Telephone number without spaces
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)



## Links to

City (city\_id)

## Links from

Staff (address\_id), store (address\_id), customer (address\_id)

## Columns

City table		
Columns	Data Type	Description
City_id 	Serial	Primary key: Unique identifier for city
city	Character varying (50)	City
Country_id 	Serial	Foreign key: Unique identifier for country that connects to country table
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)


## Links to

Country (country\_id)

## Links from

Address (city\_id)

## Columns

Country table		
Columns	Data Type	Description
Country_id 	Serial	Primary key: Unique identifier for country
country	Character varying (50)	Country
last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)



## Links to

X

## Links from

City (country\_id)

## Columns

Store		
Columns	Data Type	Description
Store_id 	Serial	Primary key: Unique identifier for store
manager_staff_id	Small int	Foreign key: Unique identifier for staff that connects to staff table
Address_id 	Small int	Foreign key: Unique identifier for address that connects to address table



last_update	Timestamp without time zone	Date and time of update (YY-MM-DD HH:MM:SS)
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### Links to

Address (address\_id)

### Links from

Staff (store\_id), inventory (store\_id)