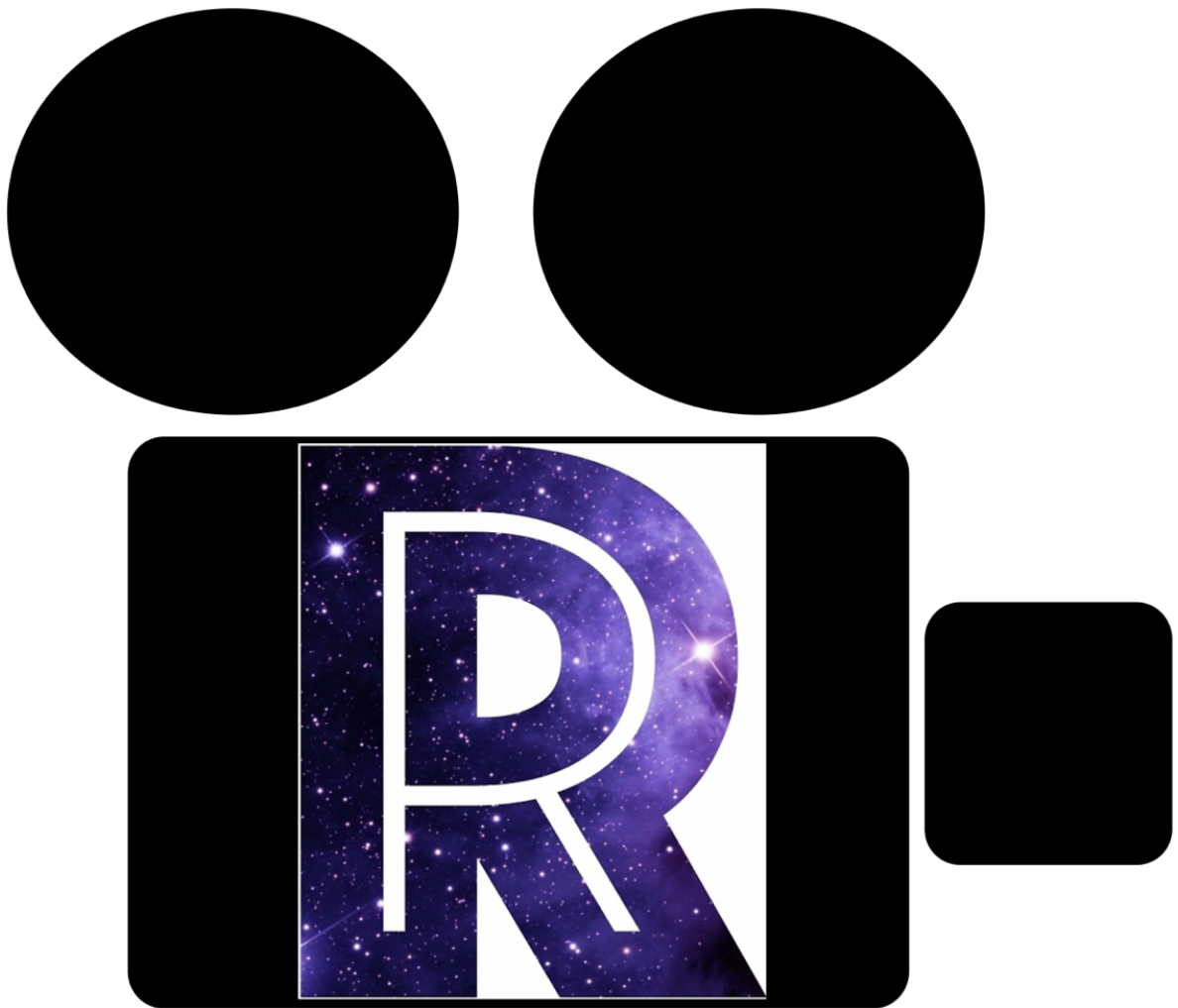


# Rockbuster

## Data Dictionary

Nick Logan

11/9/2021



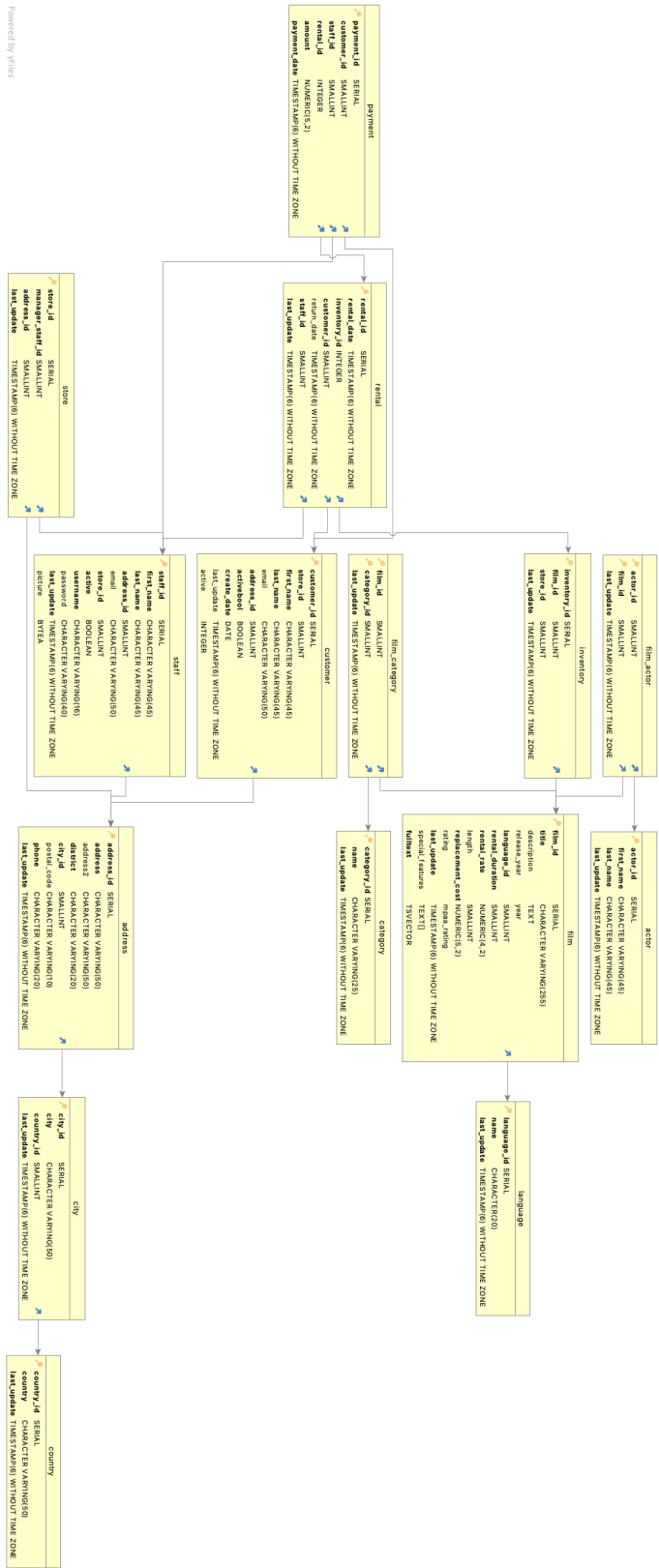
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# Entity Relationship Diagram

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## Actor Table

**Dimension Table: Actor**

Column	Data Type	Description
Actor_id	Serial	Primary key
First_name	Character varying(45)	Actor's first name
Last_name	Character varying(45)	Actor's last name
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Key

Actor\_id

### Links to

Ø

### Links from

Film\_actor

## Address Table

**Dimension Table: Address**

Column	Data Type	Description
Address_id	Serial	Primary key
Address	Character varying(50)	Address line 1
Address2	Character varying(50)	Address line 2
District	Character varying(20)	E.g.: state or province
City_id	Smallint	Foreign key for city
Postal_code	Character varying(10)	Zip code
Phone	Character varying(20)	Telephone number
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Key

Address\_id

### Links to

City

### Links from

Customer

Staff

Store

## Category Table

**Dimension Table: Category**

Column	Data Type	Description
Category_id	Serial	Primary key
Name	Character varying(25)	Film genre
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Key

Category\_id

### Links to

Ø

### Links from

Film\_category

## City Table

**Dimension Table: City**

Column	Data Type	Description
City_id	Serial	Primary key
City	Character varying(50)	Name of city
Country_id	Smallint	Foreign key for country
Last_update	Timestamp w/o time zone	Includes date and exact time

Unique Key

City\_id

Links to

Country

Links from

Address

## Country Table

**Dimension Table: Country**

Column	Data Type	Description
Country_id	serial	Primary key
Country	Character varying(50)	Name of country
Last_update	Timestamp w/o time zone	Includes date and exact time

Unique Key

Country\_id

Links to

Ø

Links From

City

## Customer Table

**Dimension Table: Customer**

Column	Data Type	Description
Customer_id	Serial	Primary key
Store_id	Smallint	Foreign key for 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 address
Address_id	Smallint	Foreign key for address
activebool	Boolean	Shows whether the customer is still active (true/false)
Create_date	Date	YYYY-MM-DD
Last_update	Timestamp w/o time zone	Includes date and exact time
active	Integer	Shows whether the customer is still active (1/0)

### Unique Key

Customer\_id

### Links to

Address

Store

### Links from

Payment

Rental



## Film Table

**Dimension Table: Film**

Column	Data Type	Description
Film_id	Serial	Primary key
Title	Character varying(255)	Film title
Description	Text	A short description of the film's plot and genre
Release_year	Year	Release year
Language_id	Smallint	Foreign key for language
Rental_duration	Smallint	Number of days the movie was rented
Rental_rate	Numeric(4,2)	Cost to rent
Length	Smallint	Film duration in minutes
Replacement_cost	Numeric(5,2)	Cost to replace if damaged, lost, etc.
Rating	Mpaa_rating	Motion Picture Association of America content rating (e.g.: G, PG-13)
Last_update	Timestamp w/o time zone	Includes date and exact time
Special_features	Text	Special features on DVD disk (e.g.: deleted scenes, trailers)
fulltext	tsvector	Lextremes of the description

### Unique Key

Film\_id

### Links to

Language

### Links from

Film\_actor

Film\_category

Inventory

## Film Actor Table

**Fact Table: Film\_actor**

Column	Data Type	Description
Actor_id	smallint	Composite key
Film_id	Smallint	Composite key
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Keys

Actor\_id and Film\_id form a composite key

### Links to

Actor

Film

### Links from

Ø

## Film Category Table

**Fact Table: Film\_category**

Column	Data Type	Description
Film_id	Smallint	Composite key
Category_id	Smallint	Composite key
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Keys

Film\_id and Category\_id form a composite key

### Links to

Category

Film

### Links from

Ø

## Inventory Table

**Fact Table: Inventory**

Column	Data Type	Description
Inventory_id	Serial	System-generated inventory id; primary key
Film_id	Smallint	Foreign key for film
Store_id	Smallint	Foreign key for store
Last_update	Timestamp w/o time zone	Includes date and exact time

Unique Key

Inventory\_id

Links to

Film

Store

Links from

Rental

## Language Table

**Dimension Table: Language**

Column	Data Type	Description
Language_id	serial	Primary key
Name	Character(20)	Name of language
Last_update	Timestamp w/o time zone	Includes date and exact time

Unique Key

Language\_id

Links to

Ø

Links from

Film

## Payment Table

**Dimension Table: Payment**

Column	Data Type	Description
Payment_id	Serial	System-generated payment id; primary key
Customer_id	Smallint	Foreign key for customer
Staff_id	Smallint	Foreign key for staff
Rental_id	Integer	Foreign key for rental item
Amount	Numeric(5,2)	Amount paid
Payment_date	Timestamp(6) w/o time zone	Includes date and exact time to the millionth of a second

### Unique Key

Payment\_id

### Links to

Customer

Rental

Staff

### Links from

Ø

## Rental Table

**Dimension Table: Rental**

Column	Data Type	Description
Rental_id	Serial	System-generated rental id; primary key
Rental_date	Timestamp w/o time zone	Includes date and exact time
Inventory_id	Integer	Foreign key for inventory
Customer_id	Smallint	Foreign key for customer
Return_date	Timestamp w/o time zone	Includes date and exact time
Staff_id	Smallint	Foreign key for staff
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Key

Rental\_id

### Links to

Customer

Inventory

Staff

### Links from

Payment

## Staff Table

**Dimension Table: Staff**

Column	Data Type	Description
Staff_id	Serial	Primary key
First_name	Character varying(45)	Staff member's first name
Last_name	Character varying(45)	Staff member's last name
Address_id	Smallint	Foreign key for address
Email	Character varying(50)	Email address
Store_id	Smallint	Foreign key for store
active	Boolean	Shows whether staff member is still active (true/false)
Username	Character varying(16)	Staff member's login username
Password	Character varying(40)	Staff member's login password
Last_update	Timestamp w/o time zone	Includes date and exact time
picture	Bytea	Binary data that translates to a picture

### Unique Key

Staff\_id

### Links to

Address

### Links from

Payment

Rental

Store

## Store Table

**Dimension Table: Store**

Column	Data Type	Description
Store_id	Serial	System-generated store id; primary key
Manager_staff_id	Smallint	Foreign key for staff; directs to the store's manager
Address_id	Smallint	Foreign key for address
Last_update	Timestamp w/o time zone	Includes date and exact time

### Unique Key

Store\_id

### Links to

Address

Staff

### Links from

Customer

Inventory