

# **ROCKBUSTER**

*Data Dictionary*

*2021.05.26*

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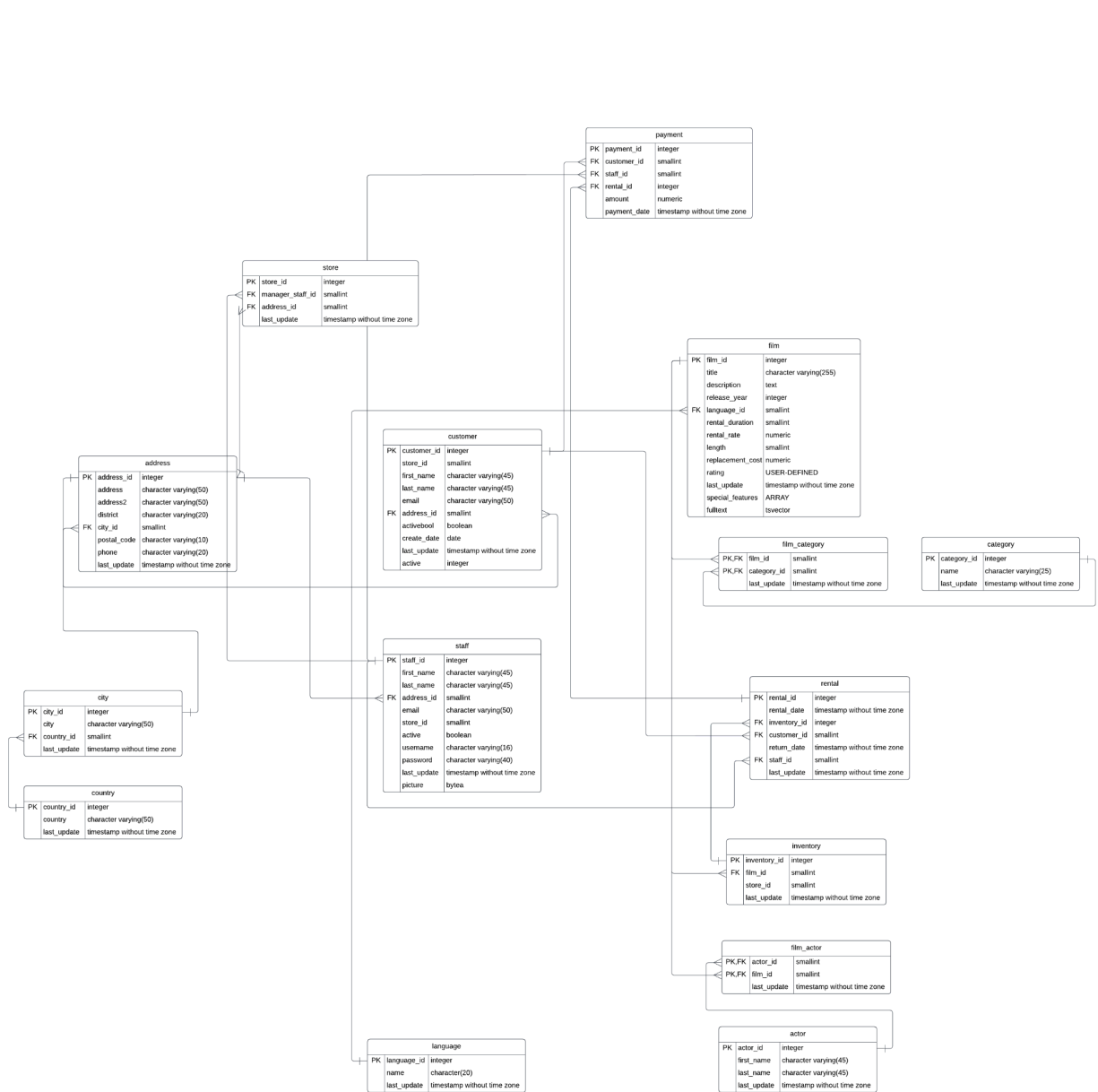
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## **1.0 Rockbuster company**

This is a sample data dictionary created for the purpose of education with a fictitious company Rockbuster.

## 2.0 Business entities



## 3.0 Tables

### 3.1 Fact Tables

In this section all fact tables are presented (1 fact table)

#### 3.11 Payment Table

<b>Keys</b>	<b>Columns</b>	<b>Data Type</b>	<b>Description</b>	<b>Links To</b>	<b>Links From</b>
primary	payment_id	serial	Unique ID of payment		
foreign	customer_id	int2	Unique ID of customer	customer	
foreign	staff_id	int2	Unique ID of staff handling transaction	staff	
foreign	rental_id	int4	Unique ID of rental	rental	
	amount	numeric	Amount owing		
	payment_date	timestamp	Date payment made		

## 4.1 Dimension Tables

In this section all dimension tables are presented

### 4.1.1 Customer table

Keys	Columns	Data Type	Description	Links To	Links From
primary	customer_id	serial	Unique ID of customer		payment, rental
foreign	store_id	int2	Unique ID of store where account is	store	
	first_name	varchar	First name of customer		
	last_name	varchar	Last name of customer		
	email	varchar	Email address of customer		
foreign	address_id	int2	Unique ID of address	address	
	activebool	bool	Active status of customer (boolean)		
	create_date	date	Date customer account created		
	last_update	timestamp	Last time record updated		
	active	int4	Active status of customer (integer)		

#### 4.1.2 Staff table

Keys	Columns	Data Type	Description	Links To	Links From
primary	staff_id	serial	Unique ID of staff member		payment, rental, store
	first_name	varchar	First name of staff member		
	last_name	varchar	Last name of staff member		
foreign	address_id	int2	Unique ID of staff member address	address	
	email	varchar	Email address of staff member		
foreign	store_id	int2	Unique ID of store where staff works	store	
	active	bool	Active status of staff member (boolean)		
	username	varchar	Username of staff member		
	password	varchar	Password of staff member		
	last_update	timestamp	Last time record updated		
	picture	bytea	Photo of staff member		

#### 4.1.3 Rental table

Keys	Columns	Data Type	Description	Links To	Links From
primary	rental_id	serial	Unique ID for each rental		payment
	rental_date	timestamp	Date of rental		
foreign	inventory_id	int4	Unique ID of item rental item	inventory	
foreign	customer_id	int2	Unique ID of customer renting inventory	customer	
	return_date	timestamp	Date rental due back		
foreign	staff_id	int2	Unique ID of staff checking out rental	staff	
	last_update	timestamp	Last time record updated		

#### 4.1.4 Actor table

Keys	Columns	Data Type	Description	Links To	Links From
primary	actor_id	serial	Unique id of actor		film_actor
	first_name	varchar	First name of actor		
	last_name	varchar	Last name of actor		
	last_update	timestamp	Last time record updated		

#### 4.1.5 Address table

Keys	Columns	Data Type	Description	Links To	Links From
primary	address_id	serial	Unique ID of address		customer, staff, store
foreign	city_id	int2	City	city	
	address	varchar	Address (line 1)		
	address2	varchar	Address (line 2)		
	district	varchar	District		
	postal_code	varchar	Postal Code		
	phone	varchar	Phone number		
	last_update	timestamp	Last time record updated		

#### 4.1.6 Category table

Keys	Columns	Data Type	Description	Links To	Links From
primary	category_id	serial	Unique ID of film category/genre		film_category
	name	varchar	Name of film category/genre		
	last_update	timestamp	Last time record updated		

#### 4.1.7 Country table

primary	country_id	serial	Unique ID of country		city
	country	varchar	Country		



	last_update	timestamp	Last time record updated		
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#### 4.1.8 City table

Keys	Columns	Data Type	Description	Links To	Links From
primary	city_id	serial	Unique ID of city		address
	city	varchar	City		
foreign	country_id	int2	Unique ID of country		country
	last_update	timestamp	Last time record updated		

#### 4.1.9 Film table

Keys	Columns	Data Type	Description	Links To	Links From
primary	film_id	serial	Unique ID of film		inventory, film_category, film_actor
	title	varchar	Film name		
	description	text	Film description		
	release_year	year	Year film was released		
foreign	language_id	int2	Unique ID of language of film	language	
	rental_duration	int2	Length of rental		
	rental_rate	numeric	Cost of rental		
	length	int2	Length of film		
	replacement_cost	numeric	Replacement cost of film if lost or stolen		
	rating	mpaa_rating	MPAA rating of film		
	last_update	timestamp	Last time record updated		
	special_features	_text	Special features included with film rental		
	fulltext	tsvector	Film keywords		

#### 4.2.0 Film\_actor table

Keys	Columns	Data Type	Description	Links To	Links From
composite, foreign	actor_id	int2	Unique ID of actor	actor	
composite, foreign	film_id	int2	Unique ID of film	film	
	last_update	timestamp	Last time record updated		

#### 4.2.1 Film\_category table

Keys	Columns	Data Type	Description	Links To	Links From
composite, foreign	film_id	int2	Unique ID of film	film	
Composite, foreign	category_id	int2	Unique ID of film category/genre	category	
	last_update	timestamp	Last time record updated		

#### 4.2.2 Inventory table

Keys	Columns	Data Type	Description	Links To	Links From
primary	store_id	serial	Unique ID of store		customer, staff, inventory
foreign	manager_staff_id	int2	Unique staff ID of store manager	staff	
foreign	address_id	int2	Unique ID of store address	address	
	last_update	timestamp	Last time record updated		

#### 4.2.3 Language table

Keys	Columns	Data Type	Description	Links To	Links From
primary	language_id	serial	Unique ID of film language		film
	name	bpchar	Film language		
	last_update	timestamp	Last time record updated		

#### 4.2.4 Store table

Keys	Columns	Data Type	Description	Links To	Links From
primary	store_id	serial	Unique ID of store		customer, staff, inventory
foreign	manager_staff_id	int2	Unique staff ID of store manager	staff	
foreign	address_id	int2	Unique ID of store address	address	
	last_update	timestamp	Last time record updated		