

Rockbuster inc.

Data Dictionary




2021-12-29



Table of Contents

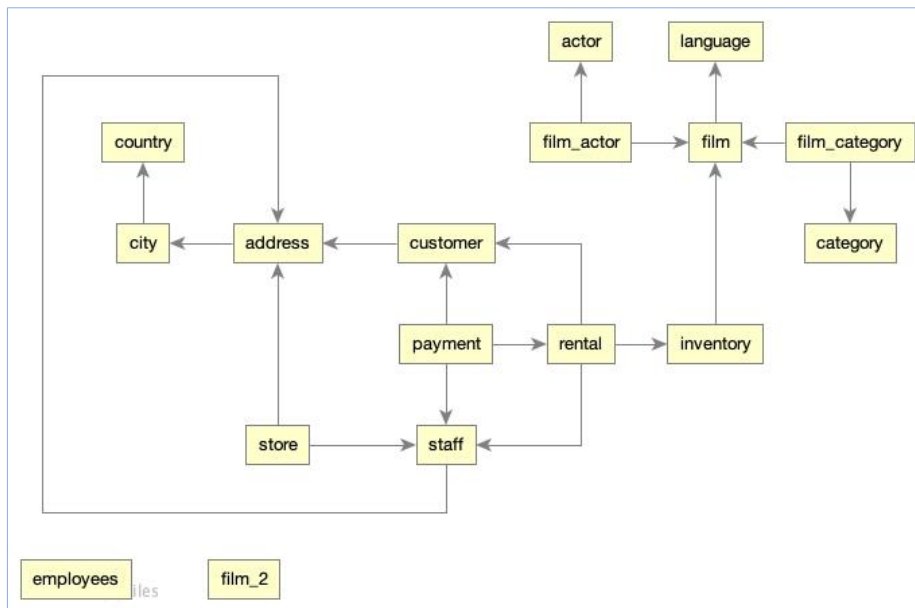
1. LEGEND.....	3
2. ENTITY RELATIONSHIP DIAGRAM (ERD).....	4
TABLES VIEW	4
PRIMARY KEYS VIEW	4
FULL ENTITY RELATIONSHIP DIAGRAM.....	5
3. TABLES.....	6
FACT TABLES	6
3.1 Rental.....	6
3.2 Payment.....	6
DIMENSION TABLES	7
3.3 Film	7
3.4 Customer.....	8
3.5 Inventory.....	8
3.6 Category.....	9
3.7 Address	9
3.8 City	10
3.9 Country	10
3.10 Language	10
3.11 Film Actor.....	11
3.12 Actor	11
3.13 Film Category.....	11
3.14 Store.....	12
3.15 Staff.....	12

1. Legend

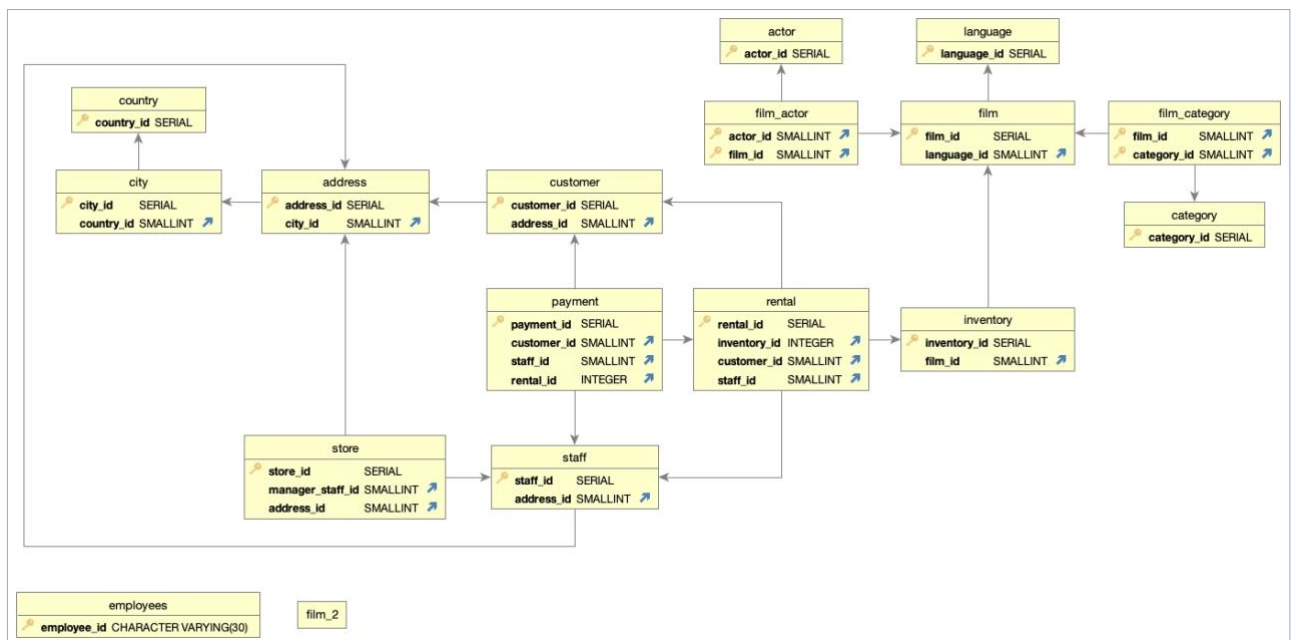
	Primary Key
	Foreign Key
	Linked with

2. Entity Relationship Diagram (ERD)

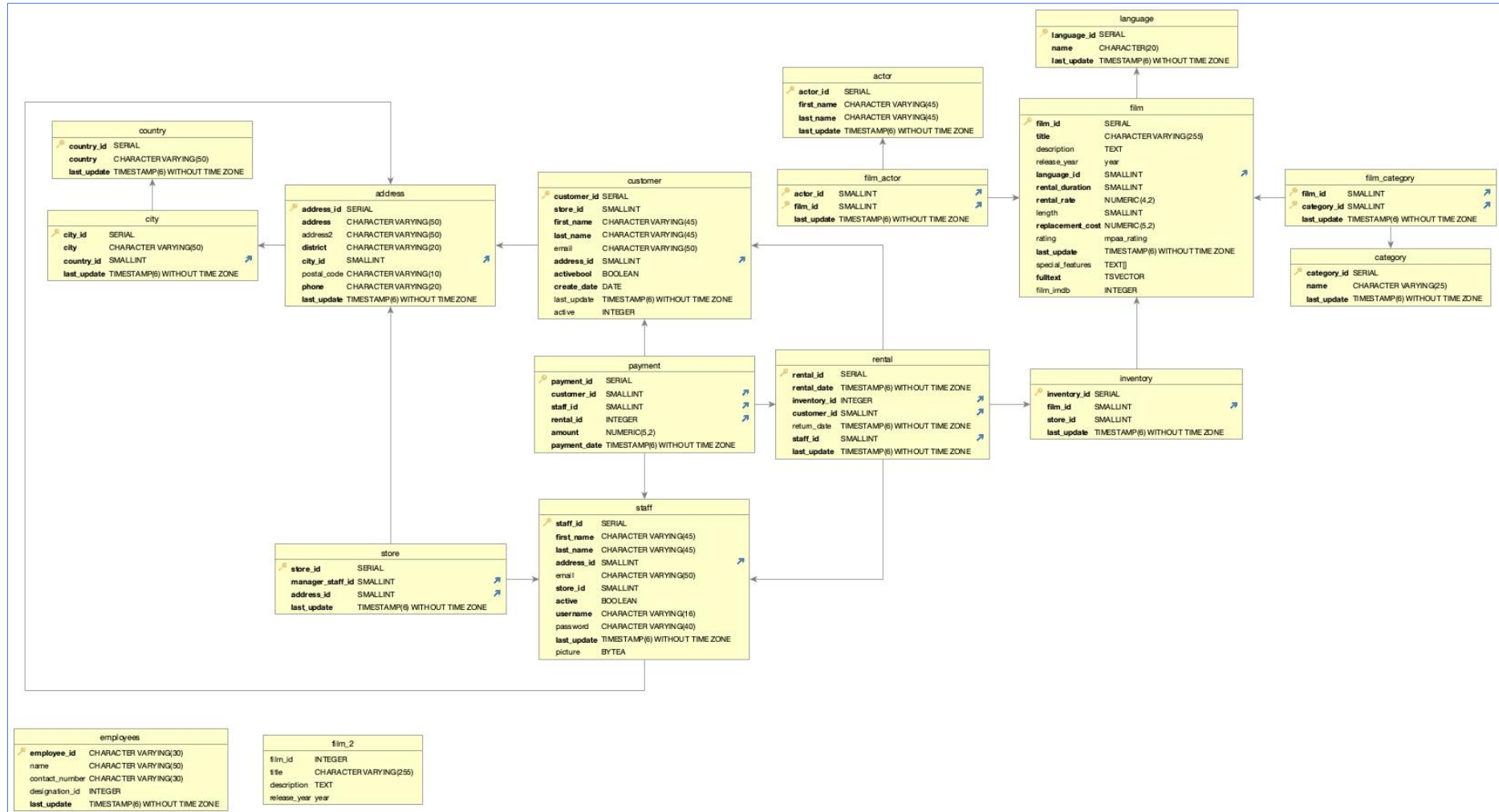
Tables View



Primary Keys View







Full Entity Relationship Diagram



3. Tables

Fact Tables

3.1 Rental

Key	Column Name	Data Type	Description
	rental_id	serial	Unique rental reference
	rental_date	timestamp	Date & time the rental was made (no timezone)
	inventory_id	int4	Unique inventory identifier
	customer_id	int2	Unique customer identifier
	return_date	timestamp	Date & time the rental was returned (no timezone)
	staff_id	int2	Unique staff identifier
	last_update	timestamp	Date & time last time record was updated (no timezone)





Linked from

Table	Join
Payment	payment.rental_id = rental.rental_id

Linked to

Table	Join
customer	rental.customer_id = customer.customer_id
Inventory	rental.inventory_id = inventory.inventory_id
staff	rental.staff_id = staff.staff_id

3.2 Payment



Key	Column Name	Data Type	Description
	payment_id	serial	Unique payment identifier
	customer_id	int2	Unique customer identifier
	staff_id	int2	Unique staff identifier
	rental_id	int4	Unique rental reference
	amount	numeric	Amount paid
	payment_date	timestamp	Date & time the payment was made (no timezone)

Linked to

Table	Join
customer	payment.customer_id = customer.customer_id
rental	payment.rental_id = rental.rental_id
staff	payment.staff_id = staff.staff_id

Dimension Tables

3.3 Film

Key	first_name	varchar	
	film_id	serial	Unique film identifier
	title	varchar	Film title
	description	text	Film description
	release_year	year	Film release year
	language_id	int2	Unique language identifier
	rental_duration	int2	Film rental period in days
	rental_rate	numeric	Film rental price
	length	int2	Film length in minutes
	replacement_cost	numeric	Film replacement cost
	rating	mpaa_rating	MPAA film rating
	last_update	timestamp	Date & time last time record was updated (no timezone)
	special_features	_text	Film special features
	fulltext	tsvector	Film keywords




Linked from

Table	Join
film_category	film_category.film_id = film.film_id
inventory	inventory.film_id = film.film_id
film_actor	film.actor_id = film.film_id

Linked to

Table	Join
language	film.language_id = language.language_id

3.4 Customer

Key	Column Name	Data Type	Description
	customer_id	serial	Unique customer identifier
	store_id	int2	Unique store identifier
	first_name	varchar	Customer first name
	last_name	varchar	Customer last name
	email	varchar	Customer email address
	address_id	int2	Unique address identifier
	activebool	bool	Active customer?
	create_date	date	Customer record creation date
	last_update	timestamp	Date & time last time record was updated (no timezone)
	active	int4	Active customer?




Linked from

Table	Join
payment	payment.customer_id = customer.customer_id
rental	rental.customer_id = customer.customer_id

Linked to

Table	Join
address	customer.address_id = address.address_id

3.5 Inventory

Key	Column Name	Data Type	Description
	inventory_id	serial	Unique inventory identifier
	film_id	int2	Unique film identifier
	store_id	int2	Unique store identifier
	last_update	timestamp	Date & time last time record was updated (no timezone)


Linked from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

Linked to

Table	Join
film	inventory.film_id = film.film_id



3.6 Category

Key	first_name	varchar	
	category_id	serial	Unique film category identifier
	name	varchar	Film category description
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked from

Table	Join
Film_category	film_category.category_id = category.category_id

3.7 Address

Key	first_name	varchar	
	address_id	serial	Unique address identifier
	address	varchar	Address line 1
	address2	varchar	Address line 2
	district	varchar	District
	city_id	int2	Unique city identifier
	postal_code	varchar	Postal code
	phone	varchar	Phone number
	last_update	timestamp	Date & time last time record was updated (no timezone)



Linked from

Table	Join
store	store.address_id = address.address_id
staff	staff.address_id = address.address_id
customer	customer.address_id = address.address_id

Linked to

Table	Join
city	address.city_id = city.city_id

3.8 City

Key	first_name	varchar	
	city_id	serial	Unique city identifier
	city	varchar	City name
	country_id	int2	Unique country identifier
	last_update	timestamp	Date & time last time record was updated (no timezone)


Linked from

Table	Join
address	address.city_id = city.city_id

Linked to

Table	Join
country	city.country_id = country.country_id


3.9 Country

Key	first_name	varchar	
	country_id	serial	Unique country identifier
	country	varchar	Country
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked from

Table	Join
city	city.country_id = country.country_id




3.10 Language

Key	first_name	varchar	
	language_id	serial	Unique language identifier
	name	bpchar	Language
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked from

Table	Join
film	film.language_id = language.language_id


3.11 Film Actor

Key	Column Name	Data Type	Description
	actor_id	int2	Unique actor identifier
	film_id	int2	Unique film identifier
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked to

Table	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id



3.12 Actor

Key	first_name	varchar	
	actor_id	serial	Unique actor identifier
	first_name	varchar	Actor first name
	last_name	varchar	Actor last name
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id




3.13 Film Category

Key	Column Name	Data Type	Description
	film_id	int2	Unique film identifier
	category_id	int2	Unique film category identifier
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked to

Table	Join
category	film_category.category_id = category.category_id
film	film_category.film_id = film.film_id




3.14 Store

Key	Column Name	Data Type	Description
	store_id	serial	Unique store identifier
	manager_staff_id	int2	Unique manager identifier
	address_id	int2	Unique address identifier
	last_update	timestamp	Date & time last time record was updated (no timezone)

Linked to

Table	Join
staff	store.store_id = staff.store_id
address	store.address_id = address.address_id

3.15 Staff

Key	Column Name	Data Type	Description
	staff_id	serial	Unique staff identifier
	first_name	varchar	Staff first name
	last_name	varchar	Staff last name
	address_id	int2	Unique address identifier
	email	varchar	Staff email address
	store_id	int2	Unique store identifier
	active	bool	Active member of staff?
	username	varchar	Staff username
	password	varchar	Staff password (encrypted)
	last_update	timestamp	Date & time last time record was updated (no timezone)
	picture	bytea	Staff photo

Linked from

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.staff_id = staff.staff_id
store	store.store_id = staff.store_id

Linked to

Table	Join
address	staff.address_id = address.address_id