

# Data Dictionary

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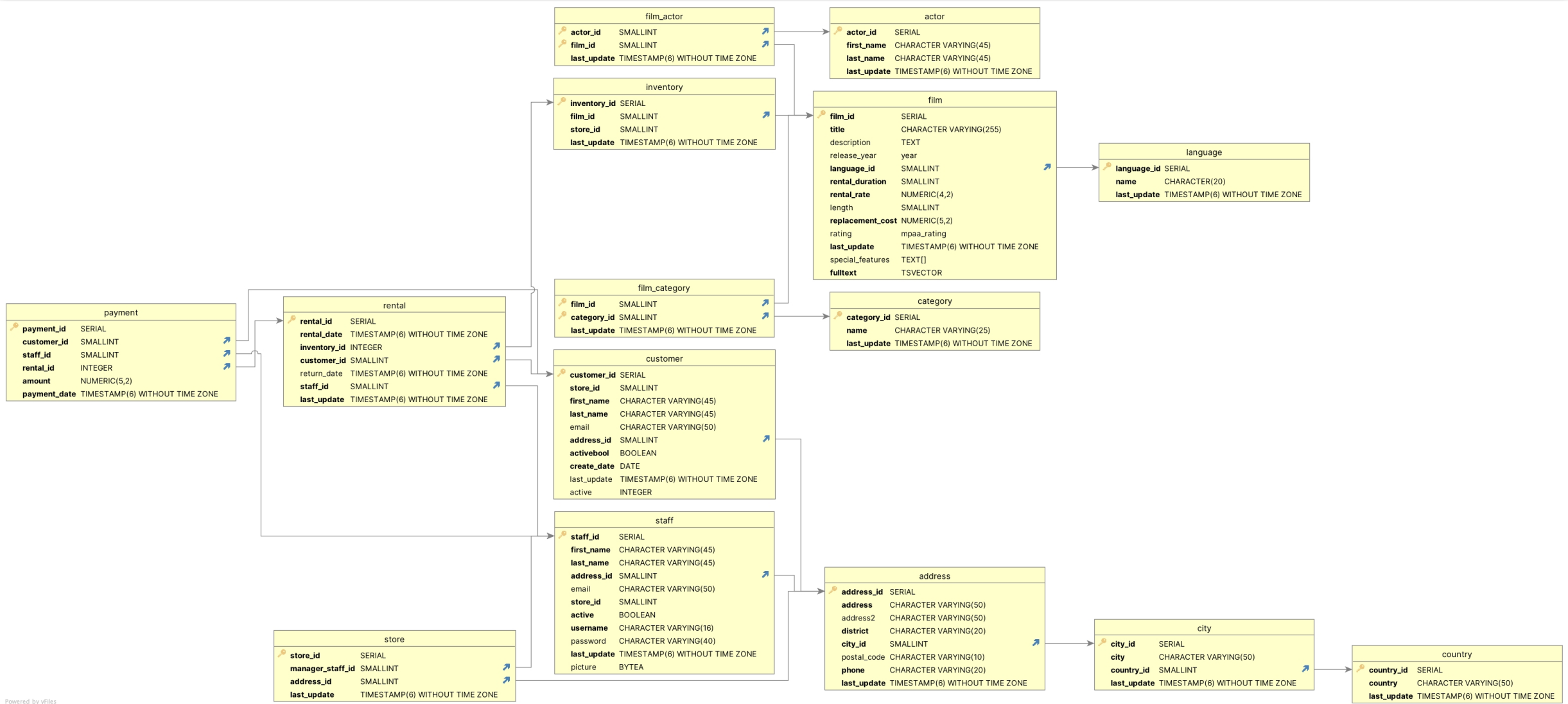


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# 1 Rockbuster Database ERD



# 2 Fact Tables

## 2.1 payment

Key Type	Column	Data Type	Description
Primary	payment_id	Serial	Unique identifier of a payment
Foreign	customer_id	SMALLINT	Unique identifier of a customer
Foreign	staff_id	SMALLINT	Unique identifier of a staff
Foreign	rental_id	INTEGER	Unique identifier of a rental
	amount	NUMERIC(5,2)	Amount recorded of each payment transaction
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of the payment

## links to

	Table	Join
→	rental	rental.rental.id = payment.rental.id
→	customer	customer.customer.id = payment.customer.id
→	staff	staff.staff_id = payment.staff_id

2.2 rental

Key Type	Column	Data Type	Description
Primary	rental_id	SERIAL	Unique identifier of a rental
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of the rental
Foreign	inventory_id	INTEGER	Unique identifier of an inventory
Foreign	customer_id	SMALLINT	Unique identifier of a customer
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of item returned
Foreign	staff_id	SMALLINT	Unique identifier of a staff
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

links to

	Table	Join
→	inventory	inventory.inventory_id
→	customer	customer.customer_id =
→	staff sta	ff.staff_id = rental.st

linked from

	Table	Join
←	payment	payment.rental_id = rental.rental_id

# 3 Dimension Tables

## 3.1 customer

Key	Column	Data Type	Description
Primary	customer_id	SERIAL	Unique identifier of a customer
	store_id	SMALLINT	Unique identifier of a store
	first_name	CHARACTER VARYING (45)	First name of the customer
	last_name	CHARACTER VARYING (45)	Last name of the customer
	email	CHARACTER VARYING (45)	Email of the customer
Foreign	address_id	SMALLINT	Address of the customer
	activebool	BOOLEAN	Status of the customer (Active or not active)
	create_date	DATE	Date of creation
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated
	Active	INTEGER	Active / Not Active

links to

	Table	Join
→	address	address.address_id = customer.address_id

linked from

	Table	Join
←	rental	rental.customer_id = customer.customer_id

### 3.2 staff

Key	Column	Data Type	Description
Primary	staff_id	SERIAL	Unique identifier of a staff
	store_id	SMALLINT	Unique identifier of a store
	first_name	CHARACTER VARYING (45)	First name of the staff
	last_name	CHARACTER VARYING (45)	Last name of the staff
	email	CHARACTER VARYING (45)	Email of the staff
Foreign	address_id	SMALLINT	Address of the staff
	active	BOOLEAN	Status of the staff (Active or not active)
	username	CHARACTER VARYING (45)	Username of the staff
	password	CHARACTER VARYING (45)	Password of the staff
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated
	Picture	BYTEA	Picture of the staff

#### links to

	Table	Join
→	address	address.address_id = staff.address_id

#### linked from

	Table	Join
←	rental	rental.staff_id = staff.staff_id
←	payment	payment.staff_id = staff.staff_id
←	store	store.manager_staff_id = staff.staff_id

### 3.3 store

Column	Data Type	Description
store_id	SERIAL	Unique identifier of a store
manager_staff_id	SMALLINT	Unique identifier of the store manager
address_id	SMALLINT	Address of the store
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

#### links to

	Table	Join
→	address	address.address_id = store.address_id
→	staff	staff.staff_id = store.manager_staff_id

### 3.4 address

Key	Column	Data Type	Description
<b>Primary</b>	address_id	SERIAL	Unique identifier of an address
	address	CHARACTER VARYING (45)	Address details
	address2	CHARACTER VARYING (45)	Extra address details
	district	CHARACTER VARYING (45)	Name of the district
<b>Foreign</b>	city_id	SMALLINT	Unique identifier of a city
	postal_code	CHARACTER VARYING (45)	Postal code details
	phone	CHARACTER VARYING (45)	Postal code details
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated



*links to*

	Table	Join
→	city	city.city_id = address.city_id

*linked from*

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

### 3.5 city

Key	Column	Data Type	Description
Primary	city_id	SERIAL	Unique identifier of a city
	city	CHARACTER VARYING (45)	Name of the city
Foreign	country_id	SMALLINT	Unique identifier of a country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

*links to*

	Table	Join
→	country	country.country_id = city.country_id

*linked from*

	Table	Join
←	address	address.city_id = city.city_id

### 3.6 country

Key	Column	Data Type	Description
Primary	country_id	SERIAL	Unique identifier of a country
	country	CHARACTER VARYING (45)	Name of the country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

*linked from*

	Table	Join
←	city	city.country_id = country.country_id

### 3.7 film\_category

Key	Column	Data Type	Description
Foreign	film_id	SMALLINT	Unique identifier of a film
Foreign	category_id	SMALLINT	Unique identifier of a category
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

*links to*

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

### 3.8 category

Key	Column	Data Type	Description
Primary	category_id	SERIAL	Unique identifier of a category
Foreign	name	CHARACTER VARYING (45)	Name of the category
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

#### links from

	Table	Join
←	film_category	film_category.category_id = category.category_id

### 3.9 inventory

Key	Column	Data Type	Description
Primary	inventory_id	SERIAL	Unique identifier of an inventory
Foreign	film_id	SMALLINT	Unique identifier of a film
	store_id	SMALLINT	Unique identifier of a store
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

#### linked from

	Table	Join
←	film	film.film_id = inventory.film_id

#### links to

	Table	Join
→	rental	rental.inventory_id = inventory.inventory_id



### 3.10 film

Key	Column	Data Type	Description
<b>Primary</b>	film_id	SERIAL	Unique identifier of a film
	title	CHARACTER VARYING (45)	Title of the film
	description	TEXT	Description of the film
	release_year	year	The year the film was released
<b>Foreign</b>	language_id	SMALLINT	Unique identifier of the language
	rental_duration	SMALLINT	The rental duration of the film
	rental_rate	NUMERIC(4,2)	The rate of the rental of the film
	length	SMALLINT	Duration of the film
	replacement_cost	NUMERIC(5,2)	The cost to replace the film
	rating	mpaa_rating	The rating of the film
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated
	special_features	TEXT[]	Special features of the film
	Fulltext	TSVECTOR	Text of the film

#### links to

	Table	Join
→	language	language.language_id = film.language_id

#### linked from

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

### 3.11 language

Key	Column	Data Type	Description
Primary	language_id	SERIAL	Unique identifier of the language
	name	CHARACTER (20)	Name of the language
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

*linked from*

	Table	Join
←	film	film.language_id = language.language_id

### 3.12 film\_actor

Key	Column	Data Type	Description
Foreign	actor_id	SMALLINT	Unique identifier of the actor
Foreign	film_id	SMALLINT	Unique identifier of the film
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

*links to*

	Table	Join
→	film	film.film_id = Film_actor.film_id
→	Actor	actor.actor_id = Film_actor.actor_id

### 3.13 actor

Key	Column	Data Type	Description
Primary	actor_id	SERIAL	Unique identifier of the actor
	first_name	CHARACTER VARYING (45)	First name of the actor
	last_name	CHARACTER VARYING (45)	Last name of the actor
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of record last updated

#### *linked from*

	Table	Join
←	film_actor	film_actor.actor_id = actor.actor_id