



# Rockbuster Stealth

## Data Dictionary

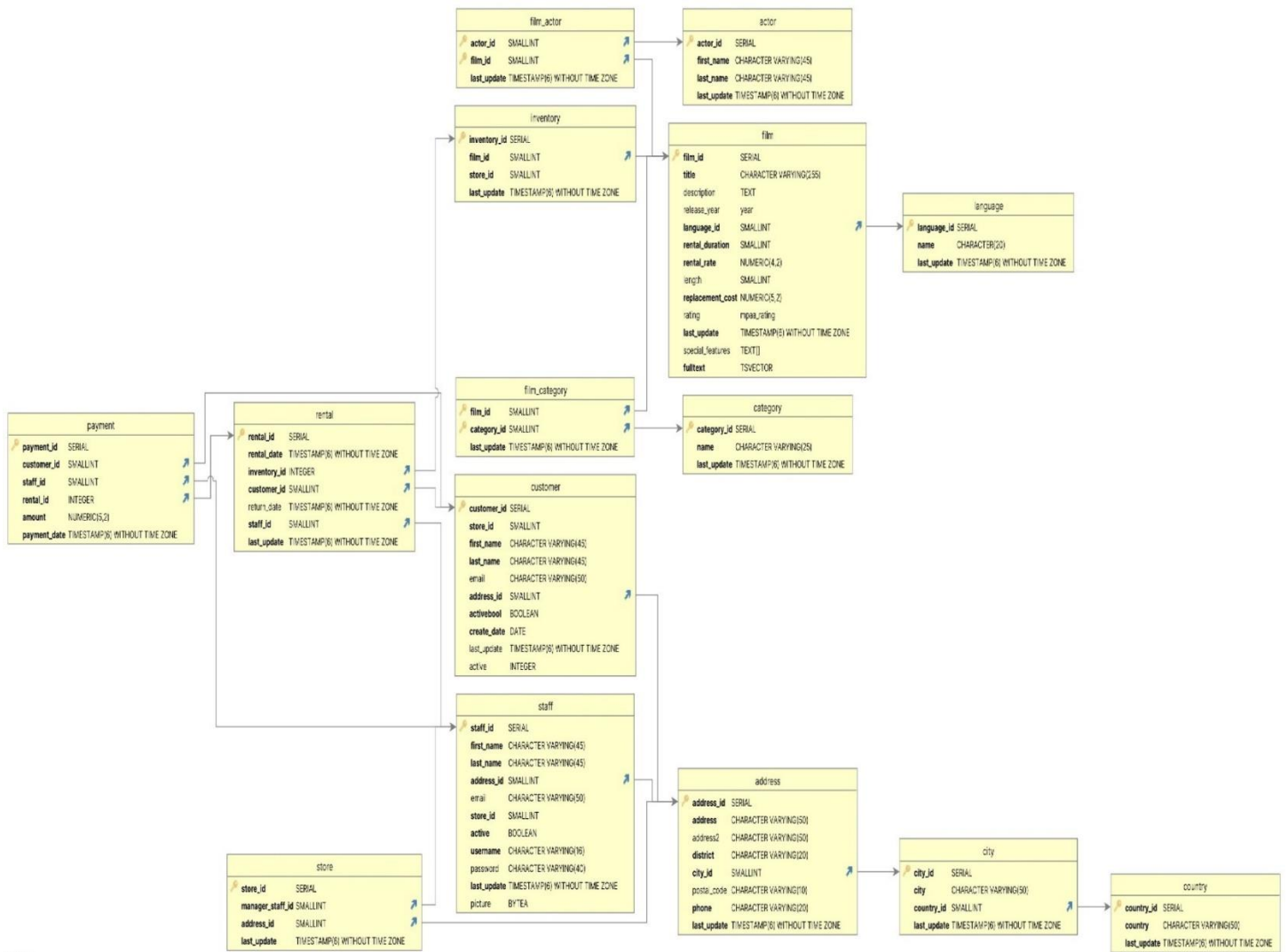
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# 1. Entity Relationship Diagram







Rockbuster database follows a snowflake schema. The staff, customers and store share common tables for storing their address, city and country. Customer rental payments and staff payments are stored in payment table.

## 2. Legends

Primary Key	
Foreign Key	

## 3. Fact Tables





### 3.1 payment

	Columns	Data Type	Description
	payment_id	SERIAL	Auto generated unique payment identification number
	customer_id	SMALLINT	Unique customer identification number
	staff_id	SMALLINT	Unique staff identification number
	rental_id	INTEGER	Unique rental identification number
	Amount	NUMERIC(5,2)	Payment amount
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of payment

Links To:

Table	Join
Rental	payment.rental_id=rental.rental_id
Customer	payment.customer_id=customer.customer_id
Staff	payment.staff_id=staff.staff_id

### 3.2 rental

	Columns	Data Type	Description
	rental_id	SERIAL	Auto generated unique rental identification number
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of rental
	inventory_id	INTEGER	Unique Inventory identification number
	customer_id	SMALLINT	Unique Customer identification number
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of rental return.
	staff_id	SMALLINT	Staff identification number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Links To:



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

Links From:

Table	Join
Payment	payment.rental_id=rental.rental_id

## 4. Dimension Tables


### 4.1 film\_actor

	Columns	Data Type	Description
	actor_id	SMALLINT	Actor identification number
	film_id	SMALLINT	Film identification number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Links to:

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


### 4.2 actor

	Columns	Data Type	Description
	actor_id	SERIAL	Auto generated unique actor identification number
	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	Auto generated date and time of last update of the table

Link from:

Table	Join
Film_actor	film_actor. actor_id=actor.actor_id


#### 4.3 film

	Columns	Data Type	Description
	film_id	SERIAL	Auto generated unique film identification number
	title	CHARACTER VARYING(255)	Title of the film
	description	TEXT	Brief description of the film
	release_year	Year	Year the film was released
	language_id	SMALLINT	Language identification number
	rental_duration	SMALLINT	Rental duration in days
	rental_rate	NUMERIC(4,2)	Rate of rental usage
	length	SMALLINT	Length of film in minutes
	replacement_cost	NUMERIC(5,2)	Cost of replacement of the film
	rating	mpaa_rating	MPAA rating of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table
	special_features	TEXT[]	Special features of the film
	Fulltext	TSVECTOR	Key description of the film

Links from:

Table	Join
film_actor	film_actor. film_id=film.film_id
inventory	Inventory.film_id=film.film_id



#### 4.4 language

	Columns	Data Type	Description
	language_id	SERIAL	Auto generated unique language identification number
	name	CHARACTER(20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Links from:

Table	Join
film	film.language_id=language.language_id

#### 4.5 inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	Auto generated unique inventory identification number
	film_id	SMALLINT	Unique film identification number
	store_id	SMALLINT	Unique store identification number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table





Link from:

Table	Join
rental	rental.inventory_id=inventory.inventory_id

Link To:

Table	Join
film	inventory.film_id= film.film_id


#### 4.6 film\_category

	Columns	Data Type	Description
 	film_id	SMALLINT	Unique film identification number
 	category_id	SMALLINT	Unique category identification number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Links to:

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



#### 4.7 category

	Columns	Data Type	Description
	category_id	SERIAL	Auto generated unique category identification number
	name	CHARACTER VARYING(255)	Category name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Link from:

Table	Join
film_category	film_category.category_id=category.category_id

#### 4.8 customer

	Columns	Data Type	Description
	customer_id	SERIAL	Auto generated unique customer identification number
	store_id	SMALLINT	Unique Store identification number
	first_name	CHARACTER VARYING(45)	First name of the customer
	last_name	CHARACTER VARYING(45)	Last name of the customer
	Email	CHARACTER VARYING(50)	Email address of the customer
	address_id	SMALLINT	Unique customer address identification number
	activebool	BOOLEAN	Activity of customer with True or False values
	create_date	DATE	Date on which Customer is newly created in the system
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table
	active	INTEGER	Activity of customer with 1 or 0 values

Link to:



Table	Join
address	customer.address_id=address.address_id



Links from:

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

#### 4.9 staff

	Columns	Data Type	Description
	staff_id	SERIAL	Auto generated unique staff identification number
	first_name	CHARACTER VARYING(45)	First name of the staff
	last_name	CHARACTER VARYING(45)	Last name of the staff
	address_id	SMALLINT	Unique staff address identification number
	Email	CHARACTER VARYING(50)	Email address of the staff
	store_id	SMALLINT	Unique Store identification number
	active	BOOLEAN	Activity of the staff with True or False values
	username	CHARACTER VARYING(16)	Username of the staff
	password	CHARACTER VARYING(40)	Encrypted password of the staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table
	picture	BYTEA	Picture of the staff in binary format



Link to:

Table	Join
address	staff.address_id=address.address_id

Links from:

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

#### 4.10 address

	Columns	Data Type	Description
	address_id	SERIAL	Auto generated unique address identification number
	Address	CHARACTER VARYING(50)	Address of the Customer/Staff/Store
	Address2	CHARACTER VARYING(50)	Second line address of the Customer/Staff/Store
	district	CHARACTER VARYING(20)	Name of the district/state/province
	city_id	SMALLINT	Unique city identification number
	postal_code	CHARACTER VARYING(10)	Postal code of the address
	phone	CHARACTER VARYING(20)	Telephone number of the Customer/Staff/Store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table



Link from:

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

Link to:

Table	Join
city	address.city_id=city.city_id

#### 4.11 city

	Columns	Data Type	Description
	city_id	SERIAL	Auto generated unique city identification number
	city	CHARACTER VARYING(50)	Name of the city
	country_id	SMALLINT	Unique country identification number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table


Link to:

Table	Join
country	city.country_id=country.country_id

Link from:

Table	Join
address	address.city_id=city.city_id




#### 4.12 country

	Columns	Data Type	Description
	country_id	SERIAL	Auto generated unique city identification number
	country	CHARACTER VARYING(50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Link from:

Table	Join
city	city.country_id=country.country_id

#### 4.13 store

	store_id	SERIAL	Auto generated unique store identification number
	Manager_staff_id	SMALLINT	Unique staff manager identification number
	address_id	SMALLINT	Unique store address identification number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Auto generated date and time of last update of the table

Links to:

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