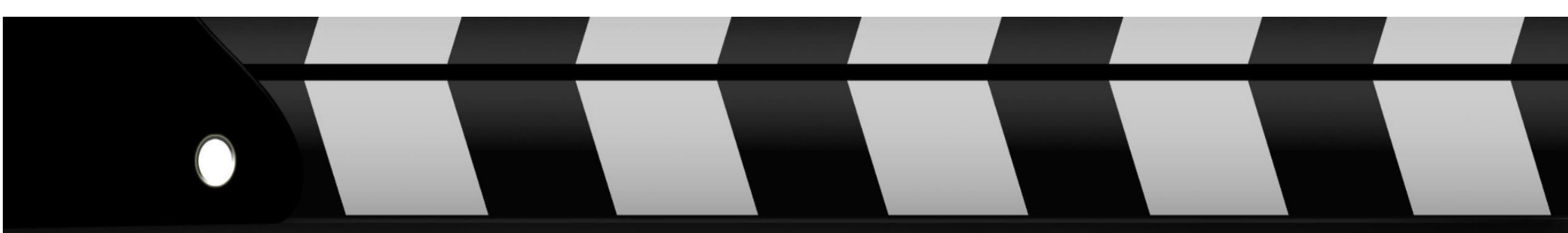

# Rockbuster

# data dictionary

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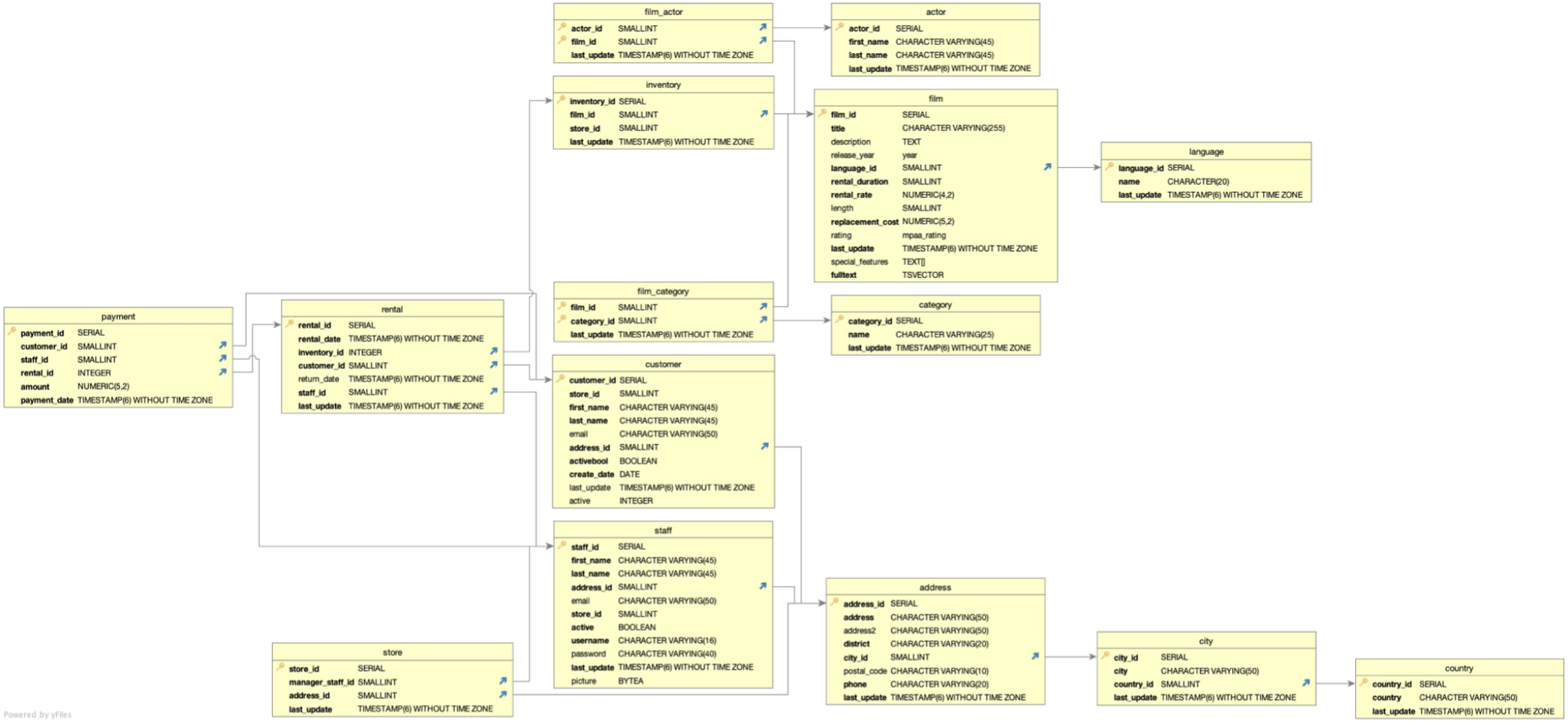
# Entity-relationship model (ERD)



# Facts:

## payment

| column | data type | description |
|---|---|---|
| payment_id | SERIAL | primary key |
| cutomer_id | SMALLINT | customer who had payed (foreign key) |
| staff_id | SMALLINT | employee who accepted the payment (foreign key) |
| rental_id | INTEGER | rentale details (foreign key) |
| amount | NUMBER(5,2) | sum to be paid |
| payment_date | TIMESTAMP(6) WITHOUT TIME ZONE | date till the payment needs to be made |

## rental

| column | data type | description |
|---|---|---|
| rentale_id | SERIAL | primary key |
| rentale_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date the film was rented |
| inventory_id | INTEGER | foreign key to inventory table of the rented film |
| customer_id | SMALLINT | customer who rented the film (foreign key) |
| return_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date the film must be returned |
| staff_id | SMALLINT | employee who distributed the film (foreign key) |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

store

| column | data type | description |
|---|---|---|
| store_id | SERIAL | primary key |
| manager_staff_id | SMALLINT | details about the manager of the store (foreign key) |
| address_id | SMALLINT | details about the address (foreign key) |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

## film_category

| column | data type | description |
|---|---|---|
| film_id | SMALLINT | composite and foreign key to film table |
| category_id | SMALLINT | composite and foreign key to category table |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

## film_actor

| column | data type | description |
|---|---|---|
| actor_id | SMALLINT | composite and foreign key to actor table |
| film_id | SMALLINT | composite and foreign key to film table |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

## inventory

| column | data type | description |
|---|---|---|
| inventory_id | SERIAL | primary key |
| film_id | SMALLINT | details about the rented film (foreign key) |
| store_id | SMALLINT | details about the store the film was rented in (foreign key) |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

# Dimensions:

actor

| column | data type | description |
|---|---|---|
| actor_id | SERIAL | primary key |
| first_name | CHARACTER VARYING(45) | the first name of the actor |
| last_name | CHARACTER VARYING(45) | the last name of the actor |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

## film

| column | data type | description |
|---|---|---|
| film_id | SERIAL | primary key |
| title | CHARACTER VARYING(255) | the title of the film |
| description | TEXT | the description of the film |
| release_year | year | the year the film was released |
| language_id | SMALLINT | language in which the film was shot |
| rental_duration | SMALLINT | the length the movie was rented(average??) |
| rental_rate | NUMERIC(4,2) | rental rate of the movie (per year??) |
| length | SMALLINT | length of the movie in minutes |
| replacement_cost | NUMERIC(5,2) | price to be paid if the film needs to be replaced |
| rating | mpaa_rating | mpaa rating (More info) |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |
| special_feature | Text[] | extra movie scenes/specials |
| fulltext | TSVECTOR | looks like some sort of categorizing to me |

## language

| column | data type | description |
|---|---|---|
| language_id | SERIAL | primary key |
| name | CHARACTER(20) | language name |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

category

| column | data type | description |
|---|---|---|
| category_id | SERIAL | primary key |
| name | CHARACTER VARYING(25) | category name |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

customer

| column | data type | description |
|---|---|---|
| customer_id | SERIAL | primary key |
| store_id | SMALLINT | details about the store the customer created this account (foreign key) |
| 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 |
| adress_id | SMALLINT | Customer’s address details (foreign key) |
| activebool | BOOLEAN | bool if customer is active |
| create_date | DATE | time where customer creates this account |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |
| active | INTEGER | bool in the form of an integer(no direct connection to activebool) |

staff

| column | data type | description |
|---|---|---|
| customer_id | SERIAL | primary key |
| first_name | CHARACTER VARYING(45) | Staff’s first name |
| last_name | CHARACTER VARYING(45) | Staff’s last name |
| adress_id | SMALLINT | Staff’s address details  (foreign key) |
| email | CHARACTER VARYING(50) | Staff’s email address |
| store_id | SMALLINT | details about the store the staff works in (foreign key) |
| active | BOOLEAN | bool if staff is active |
| username | CHARACTER VARYING(16) | Employee’s username |
| password | CHARACTER VARYING(40) | Password for the employee's username |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |
| picture | BYTEA | Employee’s picture |

## address

| column | data type | description |
|---|---|---|
| address_id | SERIAL | primary key |
| address | CHARACTER VARYING(50) | Employee's address |
| address2 | CHARACTER VARYING(50) | Employee's second address (not required) |
| district | CHARACTER VARYING(20) | Employee's district |
| city_id | SMALLINT | details about Employee's city (foreign key) |
| postal_code | CHARACTER VARYING(10) | Employee's postal code |
| phone | CHARACTER VARYING(20) | Employee's phone number |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

city

| column | data type | description |
|---|---|---|
| city_id | SERIAL | primary key |
| city | CHARACTER VARYING(50) | name of the city |
| country_id | SMALLINT | details about the country  (foreign key) |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |

country

| column | data type | description |
|---|---|---|
| country_id | SERIAL | primary key |
| country | CHARACTER VARYING(50) | name of the country |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | time of the last modification |