



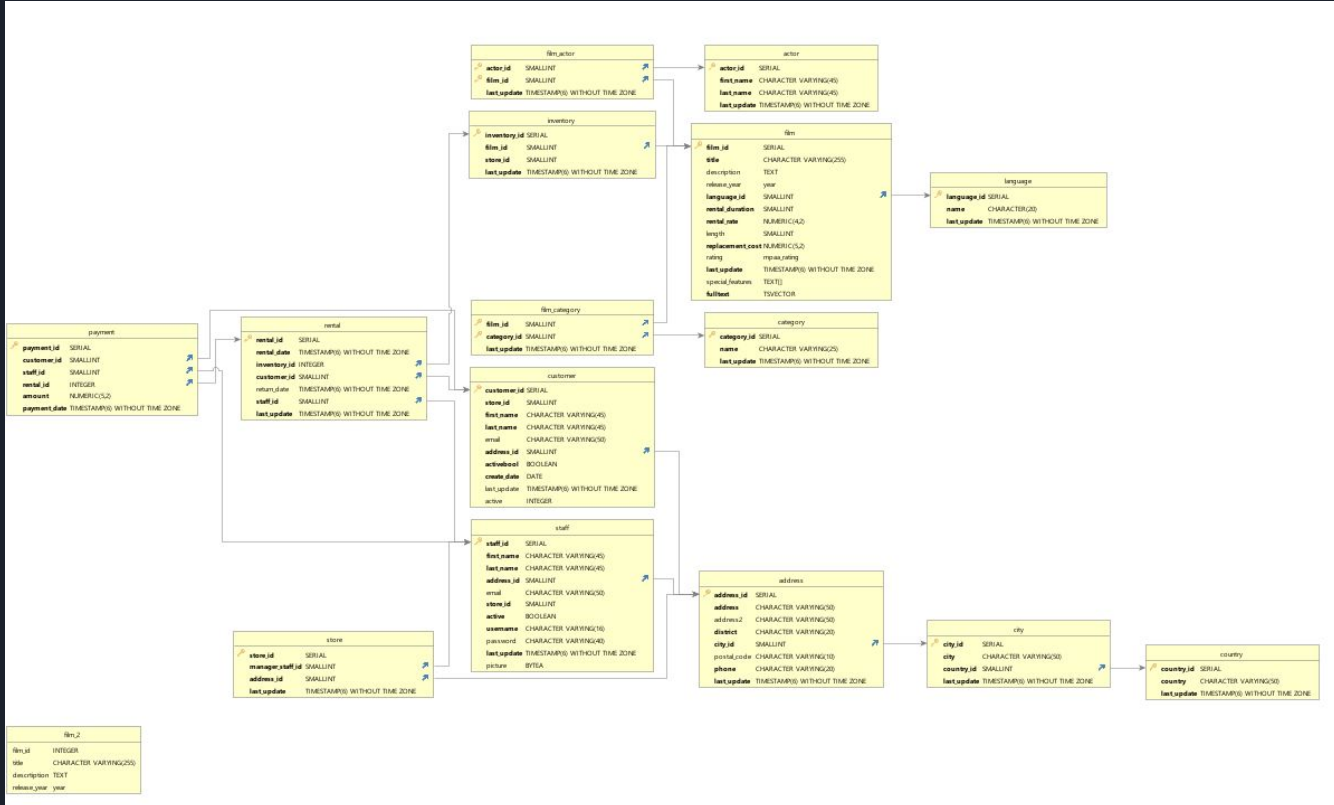
# ROCKBUSTER Data Dictionary



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# Entity Relationship Diagram (ERD)





# Fact Table

## Rental

| Column       | Data Type                     | Description                 |
|--------------|-------------------------------|-----------------------------|
| Rental_id    | SERIAL                        | Number assigned to rental   |
| rental_date  | TIMESTAMP(6) WITHOUT TIMEZONE | Date of rental              |
| inventory_id | INTEGER                       | Number of items in table    |
| customer_id  | SMALLINT                      | Number assigned to customer |
| return_date  | TIMESTAMP(6) WITHOUT TIMEZONE | Date movie was returned     |
| staff_id     | SMALLINT                      | Employee number             |
| last_update  | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |



# Dimensions Table

## Payment

| Column       | Data Type                        | Description                 |
|--------------|----------------------------------|-----------------------------|
| payment_id   | SERIAL                           | Number assigned to payment  |
| customer_id  | SMALLINT                         | Number assigned to customer |
| staff_id     | SMALLINT                         | Number assigned to employee |
| rental_id    | INTEGER                          | Number assigned to rental   |
| amount       | NUMERIC (5,2)                    | Amount paid                 |
| payment_date | TIMESTAMP(6) WITHOUT<br>TIMEZONE | Date of payment             |



# Store

| Column           | Data Type                     | Description                      |
|------------------|-------------------------------|----------------------------------|
| store_id         | SERIAL                        | Number assigned to store         |
| manager_staff_id | SMALLINT                      | Number assigned to store manager |
| address_id       | SMALLINT                      | Number assigned to store address |
| last_update      | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated      |

## Film\_Actor

| Column      | Data Type                     | Description                 |
|-------------|-------------------------------|-----------------------------|
| actor_id    | SMALLINT                      | Number assigned to actor    |
| film_id     | SMALLINT                      | Number assigned to film     |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |



# Inventory

| Column       | Data Type            | Description                 |
|--------------|----------------------|-----------------------------|
| inventory_id | SERIAL               | Number assigned to item     |
| film_id      | SMALLINT             | Number assigned to film     |
| store_id     | SMALLINT             | Number assigned to store    |
| last_update  | TIMESTAMP(6) WITHOUT | Date entry was last updated |

## Film\_Category

| Column        | Data Type            | Description                       |
|---------------|----------------------|-----------------------------------|
| film_id       | SMALLINT             | Number assigned to film           |
| film_category | SMALLINT             | Number assigned to genre/category |
| last_update   | TIMESTAMP(6) WITHOUT | Date entry was last updated       |



# Customer

| Column      | Data Type                     | Description                           |
|-------------|-------------------------------|---------------------------------------|
| customer_id | SERIAL                        | Number assigned to customer           |
| store_id    | SMALLINT                      | Number assigned to store              |
| first_name  | CHARACTERVARYING(50)          | First name of customer                |
| last_name   | CHARACTERVARYING(45)          | Customer last name                    |
| email       | CHARACTERVARYING(50)          | Customer Email address                |
| address_id  | SMALLINT                      | Number assigned to customer's address |
| activebool  | BOOLEAN                       | Customer's active status              |
| create_date | DATE                          | Date entry was created                |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated           |
| active      | INTGER                        | Customer's active status              |





# Staff

| Column      | Data Type                     | Description                           |
|-------------|-------------------------------|---------------------------------------|
| staff_id    | SERIAL                        | Number assigned to employee           |
| first_name  | CHARACTERVARYING(45)          | First name of employee                |
| last_name   | CHARACTERVARYING(45)          | Last name of employee                 |
| address_id  | SMALLINT                      | Number assigned to employee's address |
| email       | CHARACTERVARYING(50)          | Email address of employee             |
| store_id    | SMALLINT                      | Number assigned to store              |
| active      | BOOLEAN                       | Employee active status                |
| username    | CHARACTERVARYING(16)          | Username of employee                  |
| password    | CHARACTERVARYING(40)          | Password of employee                  |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated           |
| picture     | BYTEA                         | Picture of employee                   |



# Actor

| Column      | Data Type                        | Description                 |
|-------------|----------------------------------|-----------------------------|
| actor_id    | SERIAL                           | Number assigned to actor    |
| first_name  | CHARACTERVARYING(45)             | First name of actor         |
| last_name   | CHARACTERVARYING(45)             | Last name of actor          |
| last_update | TIMESTAMP(6) WITHOUT<br>TIMEZONE | Date entry was last updated |



# Film

| Column           | Data Type                     | Description                         |
|------------------|-------------------------------|-------------------------------------|
| film_id          | SERIAL                        | Number assigned to film             |
| title            | CHARACTERVARYING(45)          | Title of film                       |
| description      | TEXT                          | Description of film                 |
| release_year     | YEAR                          | Release year of film                |
| language_id      | SMALLINT                      | Number assigned to film language    |
| rental_duration  | SMALLINT                      | Length of film rental               |
| rental_rate      | NUMERIC(4,2)                  | Price of film                       |
| length           | SMALLINT                      | Length of film                      |
| replacement_cost | NUMERIC(5,2)                  | Cost of replace of film             |
| rating           | mpaa_rating                   | Film rating                         |
| last_update      | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated         |
| special_features | TEXT []                       | Special features included with film |
| fulltext         | TSVECTOR                      | Keywords associated with film       |



# Category

| Column      | Data Type                     | Description                 |
|-------------|-------------------------------|-----------------------------|
| language_id | SERIAL                        | Number assigned to language |
| name        | CHARACTERVARYING(20)          | Name of language            |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |



# Address

| Column      | Data Type                     | Description                  |
|-------------|-------------------------------|------------------------------|
| address_id  | SERIAL                        | Number assigned to address   |
| address     | CHARACTERVARYING(50)          | Street address               |
| address2    | CHARACTERVARYING(50)          | Supplementary street address |
| district    | CHARACTERVARYING(20)          | District                     |
| city_id     | SMALLINT                      | Number assigned to City      |
| postal_code | CHARACTERVARYING(10)          | Postal code                  |
| phone       | CHARACTERVARYING(20)          | Phone number                 |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated  |



# Language

| Column      | Data Type                     | Description                 |
|-------------|-------------------------------|-----------------------------|
| language_id | SERIAL                        | Number assigned to language |
| name        | CHARACTERVARYING(20)          | Name of language            |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |

# City

| Column      | Data Type                     | Description                 |
|-------------|-------------------------------|-----------------------------|
| city_id     | SERIAL                        | Number assigned to city     |
| city        | CHARACTERVARYING(20)          | Name of city                |
| country_id  | SMALLINT                      | Number assigned to country  |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |



# Country

| Column      | Data Type                     | Description                 |
|-------------|-------------------------------|-----------------------------|
| country_id  | SERIAL                        | Number assigned to country  |
| country     | CHARACTERVARYING(50)          | Name of country             |
| last_update | TIMESTAMP(6) WITHOUT TIMEZONE | Date entry was last updated |