

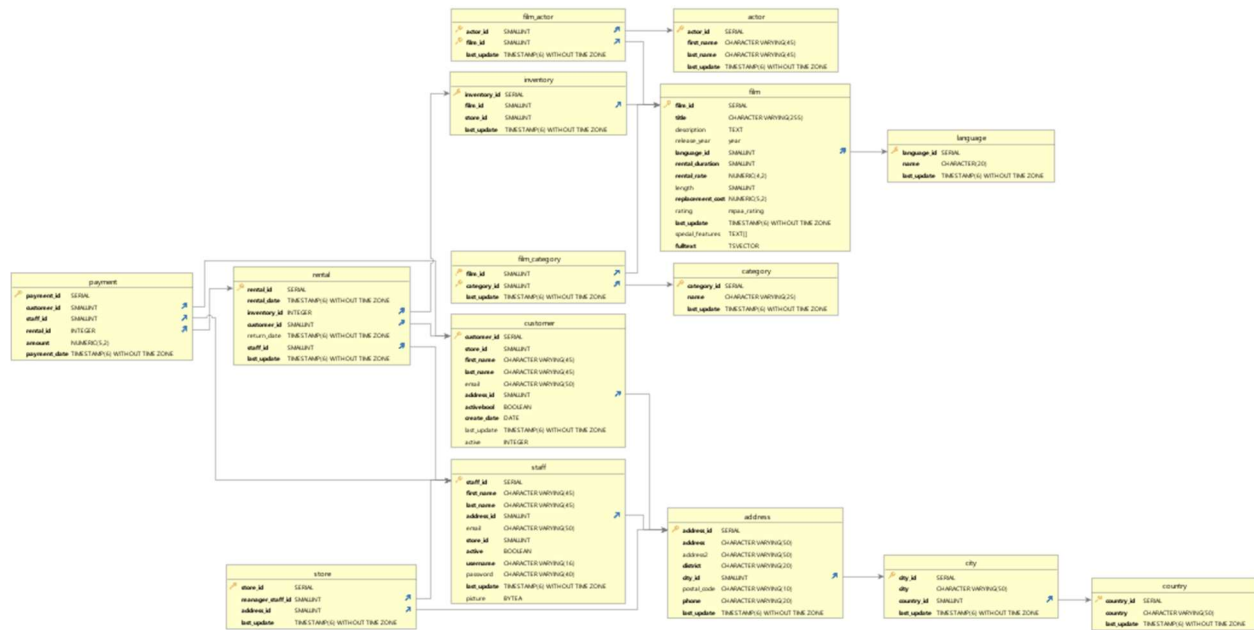
# Rockbuster Database Dictionary

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## 1. Entity Relationship Diagram



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## 2. Legend:

## Primary Key

## Foreign Key

### 3.Fact table

#### 3.1 Rental

Columns	Data Type	Description	Link to
<b>rental_id</b>	SERIAL	ID assigned to each movie rental	<a href="#">Payment</a>
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date movie was rented out	
<b>inventory_id</b>	Integer	ID for inventory tracking	<a href="#">Inventory</a>
<b>customer_id</b>	SMALLINT	ID for customer	<a href="#">Customer</a>
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date movie was returned	
<b>staff_id</b>	SMALLINT	ID for staff who processed the rental	<a href="#">Staff</a>
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

### 4.Dimension Table

#### 4.1 Payment

Columns	Data Type	Description	Link to
<b>payment_id</b>	SERIAL	ID assigned for payment	
<b>customer_id</b>	SMALLINT	ID for customer	<a href="#">Customer</a>
<b>staff_id</b>	SMALLINT	ID for staff who processed the rental	<a href="#">Staff</a>
<b>rental_id</b>	INTEGER	ID assigned to each movie rental	<a href="#">Rental</a>
amount	NUMERIC(5,2)	Amount paid by customer for rental	
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time of payment	

#### 4.2 Store

Columns	Data Type	Description	Link to
<b>store_id</b>	SERIAL	ID assigned to store	<a href="#">Customer, Inventory, Staff</a>
manager_staff_id	SMALLINT	ID for manager of the store	
<b>address_id</b>	SMALLINT	Store address	<a href="#">Address</a>
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.3 Film Actor

Columns	Data Type	Description	Link to
<b>actor_id</b>	SMALLINT	ID for specific actors	<a href="#">Actor</a>
<b>film_id</b>	SMALLINT	ID for specific movie	<a href="#">Film</a>
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.4 Inventory

Columns	Data Type	Description	Link to
<b>inventory_id</b>	SERIAL	ID for inventory tracking	<a href="#">Rental</a>
<b>film_id</b>	SMALLINT	ID for specific movie	<a href="#">Film</a>
<b>store_id</b>	SMALLINT	ID assigned to store	<a href="#">Store</a>
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.5 Film category

Columns	Data Type	Description	Link to
<b>film_id</b>	SMALLINT	ID for specific movie	<a href="#">Film</a>
<b>category_id</b>	SMALLINT	ID for specfic category of movie	<a href="#">Category</a>
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.6 Customer

Columns	Data Type	Description	Link to
<b>customer_id</b>	SERIAL	ID for customer	<a href="#">Payment, Rental</a>
<b>store_id</b>	SMALLINT	ID assigned to store	<a href="#">Store</a>
first_name	CHARACTER VARYING(45)	First name of customer	
last_name	CHARACTER VARYING(45)	Last name of customer	
email	CHARACTER VARYING(50)	Email address of customer	
<b>address_id</b>	SMALLINT	Address of customer	<a href="#">Address</a>
activebool	BOOLEAN	Status whether customer is active or not	
create_date	DATE	Creation date	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	
active	INTEGER	Status of customer	

#### 4.7 Staff

Columns	Data Type	Description	Link to
<b>staff_id</b>	SERIAL	ID for staff who processed the rental	
first_name	CHARACTER VARYING(45)	First name of staff	
last_name	CHARACTER VARYING(45)	Last name of staff	
<b>address_id</b>	SMALLINT	Address of staff	<a href="#">Address</a>
email	CHARACTER VARYING(50)	Email address of staff	
<b>store_id</b>	SMALLINT	ID assigned to store	<a href="#">Store</a>
active	BOOLEAN	Status of customer	
username	CHARACTER VARYING(16)	Username of staff	
password	CHARACTER VARYING(40)	Password of staff	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	
picture	BYTEA	Photo of staff	

#### 4.8 Actor

Columns	Data Type	Description	Link to
<b>actor_id</b>	SERIAL	ID for specific actors	<a href="#">Film Actor</a>
first_name	CHARACTER VARYING(45)	First name of actor	
last_name	CHARACTER VARYING(45)	Last name of actor	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	<a href="#">Address</a>

#### 4.9 Film

Columns	Data Type	Description	Link to
<b>film_id</b>	SERIAL	ID for specific movie	<a href="#">Film Actor, Film, Category, Inventory</a>
title	CHARACTER VARYING(255)	Title of the movie	
description	TEXT	Short summary of the movie	
release_year	year	Year of release	
<b>language_id</b>	SMALLINT	ID for specific language for the movie	<a href="#">Language</a>
rental_duration	SMALLINT	Duration of movie rental	
rental_rate	NUMERIC(4,2)	Price of rent	
length	SMALLINT	Duration of movie	
replacement_cost	NUMERIC(5,2)	Cost of replacement in the case of damage, lost or irreplaceable	
rating	mpaa-rating	Movie rating	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	
special_features	TEXT[]	Availale special features	
fulltext	TSVECTOR	Key words	

#### 4.10 Category

Columns	Data Type	Description	Link to
<b>category_id</b>	SERIAL	ID for specific category of the movie	<a href="#">Film category</a>
name	CHARACTER VARYING(25)	Categories	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	



#### 4.11 Address

Columns	Data Type	Description	Link to
<b>address_id</b>	SERIAL	Store address	<a href="#">Customer, Staff, Store</a>
address	CHARACTER VARYING(50)	Store address	
address2	CHARACTER VARYING(50)	Store address	
district	CHARACTER VARYING(20)	Store address	
<b>city_id</b>	SMALLINT	City of where store is	<a href="#">City</a>
postal_code	CHARACTER VARYING(10)	Postal Code	
Phone	CHARACTER VARYING(20)	Store phone number	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.12 Language

Columns	Data Type	Description	Link to
<b>language_id</b>	SERIAL	ID for specific language for the movie	<a href="#">Film</a>
name	CHARACTER(20)	Name of language	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.13 City

Columns	Data Type	Description	Link to
<b>city_id</b>	SERIAL	City of where store is	<a href="#">Address</a>
name	CHARACTER VARYING(50)	Name of City	
<b>country_id</b>	SMALLINT	Country code	<a href="#">Country</a>
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	

#### 4.14 Country

Columns	Data Type	Description	Link to
<b>country_id</b>	SERIAL	Country code	<a href="#">City</a>
country	CHARACTER VARYING(50)	Name of Country	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last data entry update	