

# Rockbuster Database

## Data Dictionary

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### 3. Schema Type

The schema type has the shape of a Snowflake because the Fact table is surrounded by sub-dimension tables and it gives it the shape of a snowflake.

### 4. Legend

**Primary Key**

**Foreign Key**

### 5. Fact Tables

#### 5.1 Rental -done

Columns	Data Type	Description	Link To	Link From
<b>rental_id</b>	SERIAL	The unique id assigned to each film rental	payment	
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of when it was rented out		
<b>inventory_id</b>	INTEGER	The id assigned for record keeping		inventory
<b>customer_id</b>	SMALLINT	Customer id who got the film was issued	payment	customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time the rental was returned		
<b>staff_id</b>	SMALLINT	The id assigned to each staff	payment	staff
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time the status was last updated		

### 6. Dimension Table

#### 6.1 Payment

Columns	Data Type	Description	Link To	Link From
<b>payment_id</b>	SERIAL	The unique id assigned for each payment		payment
<b>customer_id</b>	SMALLINT	Customer id to whom the film was issued	Rental, payment	customer
<b>staff_id</b>	SMALLINT	The unique id assigned to each staff	Rental, payment	staff
<b>rental_id</b>	INTEGER	The unique id assigned to each film rental	rental	rental
Amount	Numeric(5, 2 )	The amount paid by customer	payment	
Payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

## 6.2 Store

Columns	Data Type	Description	Link To	Link From
<b>store_id</b>	SERIAL	The unique id assigned to each store	Customer, inventory, staff	store
<b>manager_staff_id</b>	SMALLINT	ID of Manager		
<b>address_id</b>	SMALLINT	Postal address of store	customer, staff, store	address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

## 6.3 Film Actor

Columns	Data Type	Description	Link To	Link From
<b>actor_id</b>	SMALLINT	The unique id assigned to an actor	film_actor, actor	film_actor, actor
<b>film_id</b>	SMALLINT	The unique id assigned to each film	film_actor, inventory	film, film_category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

## 6.4 Inventory

Columns	Data Type	Description	Link To	Link From
<b>inventory_id</b>	SERIAL	The unique id assigned for record keeping	rental	inventory
<b>film_id</b>	SMALLINT	The unique id assigned to each film	film_actor, inventory	film, film_category
<b>store_id</b>	SMALLINT	The unique id assigned to each store	customer, inventory, staff	store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

## 6.5 Film- Category

Columns	Data Type	Description	Link To	Link From
<b>film_id</b>	SMALLINT	The unique id assigned to each film	film_actor, inventory	film, film_category
<b>category_id</b>	SMALLINT	The unique id assigned to each film category	film_category	category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

## 6.6 Customer

Columns	Data Type	Description	Link To	Link From
<b>customer_id</b>	SERIAL	The unique id assigned Customer to whom the film was issued	Payment, rental	customer
<b>store_id</b>	SMALLINT	The unique id assigned to each store	Customer, inventory, staff	store
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		
<b>address_id</b>	SMALLINT	Customer's address ID number	customer, staff, store	address
activebool	BOOLEAN	Status whether customer is active or not		
create_date	DATE	Date customer account was created		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last data update		
active	INTEGER	Describes whether a customer is currently renting		

## 6.7 Staff

Columns	Data Type	Description	Link To	Link From
<b>staff_id</b>	SERIAL	The unique id assigned to each staff	Rental, payment	staff
first_name	CHARACTER VARYING(45)	Staff's first name		
Last_name	CHARACTER VARYING(45)	Staff's last name		
<b>address_id</b>	SMALLINT	Staff's address ID	customer, staff, store	address
email	CHARACTER VARYING(50)	Staff's email		
<b>store_id</b>	SMALLINT	Store ID number where employee works	Customer, inventory, staff	store
active	BOOLEAN	Status whether staff is still employed or not		
user name	CHARACTER VARYING(16)	Employees' login username		
password	CHARACTER VARYING(40)	Employees' login password		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		
picture	BYTEA	Picture of employee		

## 6.8 Actor

Columns	Data Type	Description	Link To	Link From
<b>actor_id</b>	SERIAL	The unique id assigned to an actor	film_actor, actor	Actor, film_actor
first_name	CHARACTER VARYING(45)	Actors' first name		
Last_name	CHARACTER VARYING(45)	Actors' last name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

## 6.9 Film

Columns	Data Type	Description	Link To	Link From
<b>film_id</b>	SERIAL	The unique id assigned to each film	film_actor, inventory	film, film_category
title	CHARACTER VARYING(255)	Title of film		
description	TEXT	Film description		
release_year	year	Release year of film		
<b>language_id</b>	SMALLINT	Language ID	film	language
rental_duration	SMALLINT	Length of time film certain was rented		
rental_rate	Numeric(4, 2 )	Cost of certain film		
length	SMALLINT	Length of film in minutes		
Replacement_cost	Numeric(5, 2 )	Cost of replacing a film		
rating	Mpaa_rating	Film rating		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		
Special_features	TEXT	Special features in the film		
fulltext	TSVECTOR	Key words		

## 6.10 Category

Columns	Data Type	Description	Link To	Link From
<b>category_id</b>	SERIAL	The unique id assigned to each film category	film_category	category
name	CHARACTER VARYING(20)	Film category name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

### 6.11 Address

Columns	Data Type	Description	Link To	Link From
<b>address_id</b>	SERIAL	The unique ID for Postal address of store	Customer, staff, store	address
address	CHARACTER VARYING(50)	Address of store		
address2	CHARACTER VARYING(50)	Extended address of store		
district	CHARACTER VARYING(20)	Province or region		
<b>city_id</b>	SMALLINT	ID number of city	address	city
postal_code	CHARACTER VARYING(10)	Postal code of locality		
Phone	CHARACTER VARYING(20)	Phone number of store		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

### 6.12 Language

Columns	Data Type	Description	Link To	Link From
<b>language_id</b>	SERIAL	The unique ID assigned to language(s) film is available in	film	language
name	CHARACTER VARYING(20)	Language name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

### 6.13 City

Columns	Data Type	Description	Link To	Link From
<b>city_id</b>	SERIAL	The unique ID for city	address	city
city	CHARACTER VARYING(50)	Name of city		
<b>country_id</b>	SMALLINT	Country code	city	country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		

### 6.14 Country

Columns	Data Type	Description	Link To	Link From
<b>country_id</b>	SERIAL	The unique ID for country	city	country
country	CHARACTER VARYING(50)	Name of country		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last date update		



