



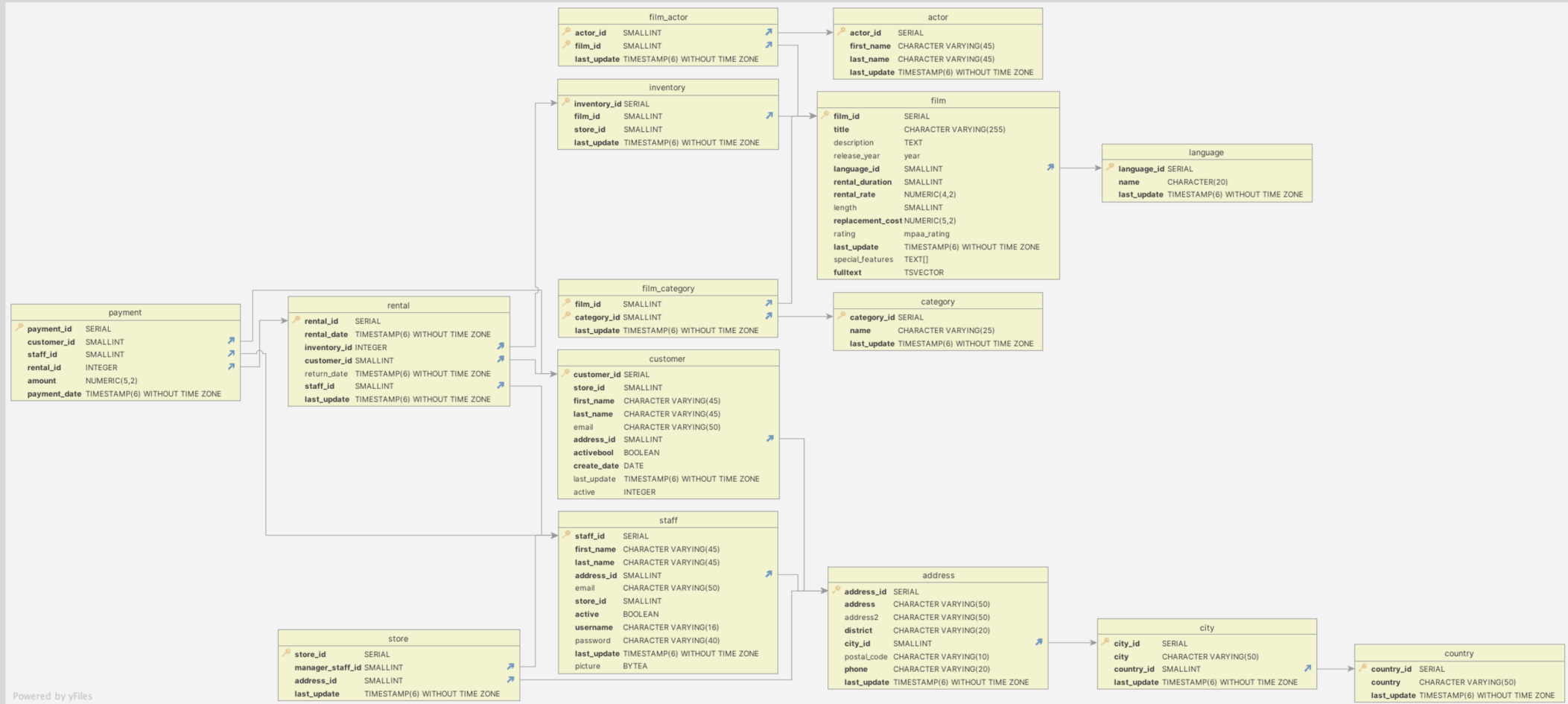
Data Dictionary

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Database ERD - Rockbuster



Fact Table

Payment

Columns	Data Type	Description	Link to	Links From
payment_id (primary key)	integer	Unique identifier for payment		
customer_id (foreign key)	smallint	Unique identifier for customer	Customer table	
staff_id (foreign key)	smallint	Unique identifier for staff	Staff table	
rental_id (foreign key)	integer	Unique identifier for rent	Rental table	
amount	numeric (5,2)	Payment amount – limited to 5 digits, which two are decimals.		

Dimension Tables

Customer

Columns	Data Type	Description	Link to	Link From
customer_id (primary key)	integer	Unique identifier for customer.		Payment and Rental table
store_id (foreign key)	smallint	Unique identifier for store.	Store table	
first_name	CHARVAR (45)	Customer's first name – limited to 45 varying characters.		
last_name	CHARVAR (45)	Customer's last name – limited to 45 varying characters.		
email	CHARVAR (50)	Customer's email – limited to 50 varying characters.		
address_id (foreign key)	smallint	Unique identifier for address.	Address table	
activebool	boolean	True or false.		
create_date	date	Date that the record was created.		
last_update	timestamp without time zone	Date and time that the record was last updated.		
active	integer	1 for active; 0 for inactive.		

Dimension Tables

Rental

Columns	Data Type	Description	Link to	Link from
rental_id (primary key)	integer	Unique identifier for rental.		Payment table
rental_date	timestamp without time zone	Date that the rental was done.		
inventory_id (foreign key)	smallint	Unique identifier for inventory.	Inventory table	
customer_id (foreign key)	smallint	Unique identifier for customer.	Customer table	
return_date	timestamp without time zone	Date that the rental was returned.		
staff_id (foreign key)	smallint	Unique identifier for staff		

Staff

Columns	Data Type	Description	Link to	Link from
staff_id (primary key)	integer	Unique identifier for staff.		Payment, Rental and Store table
first_name	CHARVAR (45)	Staff's first name – limited to 45 varying characters.		
last_name	CHARVAR (45)	Staff's last name – limited to 45 varying characters.		
address_id (foreign key)	smallint	Unique identifier for address.	Address table	
email	CHARVAR(50)	Staff's email– limited to 50 characters.		
store_id (foreign key)	smallint	Unique identifier for store.	Store table	
active	boolean	True or false.		
username	CHARVAR (16)	Staff's username – limited to 16 varying characters.		
password	CHARVAR (40)	Staff's password– limited to 40 varying characters.		
last_update	timestamp without time zone	Date and time that the record was last updated.		
picture	bytea			

Sub-Dimension Tables

Actor

Columns	Data Type	Description	Link to	Link from
actor_id (primary key)	integer – primary key	Unique identifier for actor.		Film_actor table
first_name	CHARVAR (45)	Actor's first name – limited to 45 varying characters.		
last_name	CHARVAR (45)	Actor's last name – limited to 45 varying characters.		
last_update	timestamp without time zone	Date and time that the record was last updated.		

Address

Columns	Data Type	Description	Link to	Link from
address_id (primary key)	integer	Unique identifier for address.		Customer, Staff and Store table
address	CHARVAR (50)	Customer/Staff/Store address – limited to 50 varying characters.		
Address2	CHARVAR (50)	Second address description – limited to 50 varying characters.		
district	CHARVAR (20)	District name – limited to 20 varying characters.		
city_id (foreign key)	smallint	Unique identifier for cities.	City table	
Postal_code	CHARVAR (10)	Postal Code from store/customer/staff - limited to 10 varying characters.		
Phone	CHARVAR (20)	Phone number from store/customer/staff - limited to 20 varying characters.		
last_update	timestamp without time zone	Date and time that the record was last updated.		

Sub-Dimension Tables

Category

Columns	Data Type	Description	Link to	Link from
category_id (primary key)	integer	Unique identifier for category.		Film_category table
name	VARCHAR (25)	Category's name – limited to 25 varying characters.		
last_update	timestamp without time zone	Date and time that the record was last updated.		

City

Columns	Data Type	Description	Link to	Link from
city_id (primary key)	integer	Unique identifier for cities.		Address table
city	CHARVAR (50)	City's name– limited to 50 varying characters.		
country_id (foreign key)	smallint	Unique identifier for country.	Country table	
last_update	timestamp without time zone	Date and time that the record was last updated.		

Country

Columns	Data Type	Description	Link to	Link from
country_id (primary key)	integer	Unique identifier for countries.		City table
country	CHARVAR (50)	Country's name– limited to 50 varying characters.		
last_update	timestamp without time zone	Date and time that the record was last updated.		

Sub-Dimension Tables

Film

Columns	Data Type	Description	Link to	Link from
film_id (primary key)	integer	Unique identifier for film.		Film_actor, Film_category and Inventory table
title	CHARVAR (255)	Film's title– limited to 255 characters.		
description	text	Brief description of the film.		
release_year	year	Film's release year		
language_id (foreign key)	smallint	Unique identifier for language.	Language table	
rental_duration	smalint	Film's rental duration in days.		
rental_rate	numeric (4,2)	Rental rate – limited to 4 digits, which two are decimals		
length	smallint	Film's length – until 2 bytes.		
replacement_cost	numeric (5,2)	Cost for replace the film – limited to 5 digits, which two are decimals		
rating	mpaa_rating	Rating system that specifies the age target for a specific film.		
last_update	timestamp without time zone	Date and time that the record was last updated.		
special_features	text	Additional audio, visual or interactivity media.		
fulltext	TSVECTOR	Film's description optimized for text search		

Sub-Dimension Tables

Film Actor

Columns	Data Type	Description	Link to	Link from
actor_id (foreign key)	smallint	Unique identifier for actor.	Actor table	
film_id (foreign key)	smallint	Unique identifier for film.	Film table	
last_update	timestamp without time zone	Date and time that the record was last updated.		

Film Category

Columns	Data Type	Description	Link to	Link from
film_id (foreign key)	smallint	Unique identifier for film.	Film table	
category_id (foreign key)	smallint	Unique identifier for category.	Category table	
last_update	timestamp without time zone	Date and time that the record was last updated.		

Inventory

Columns	Data Type	Description	Link to	Link from
inventory_id (primary key)	integer	Unique identifier for inventory.		Rental table
film_id (foreign key)	smallint	Unique identifier for film.	Film table	
store_id (foreign key)	smallint	Unique identifier for store.	Store table	
last_update	timestamp without time zone	Date and time that the record was last updated.		

Sub-Dimension Tables

Language

Columns	Data Type	Description	Link to	Link from
language_id (primary key)	integer	Unique identifier for language.		Film table
name	CHAR (20)	Language's name (Limited to only 20 characters)		
last_update	timestamp without time zone	Date and time that the record was last updated.		

Store

Columns	Data Type	Description	Link to	Link from
store_id (primary key)	integer	Unique identifier for store.		
manager_staff_id (foreign key)	smallint	Unique identifier for manager staff.	Staff table	
address_id (foreign key)	smallint	Unique identifier for address.	Address table	
last_update	Timestamp without time zone	Date and time that the record was last updated.		