

Rockbuster Data Dictionary

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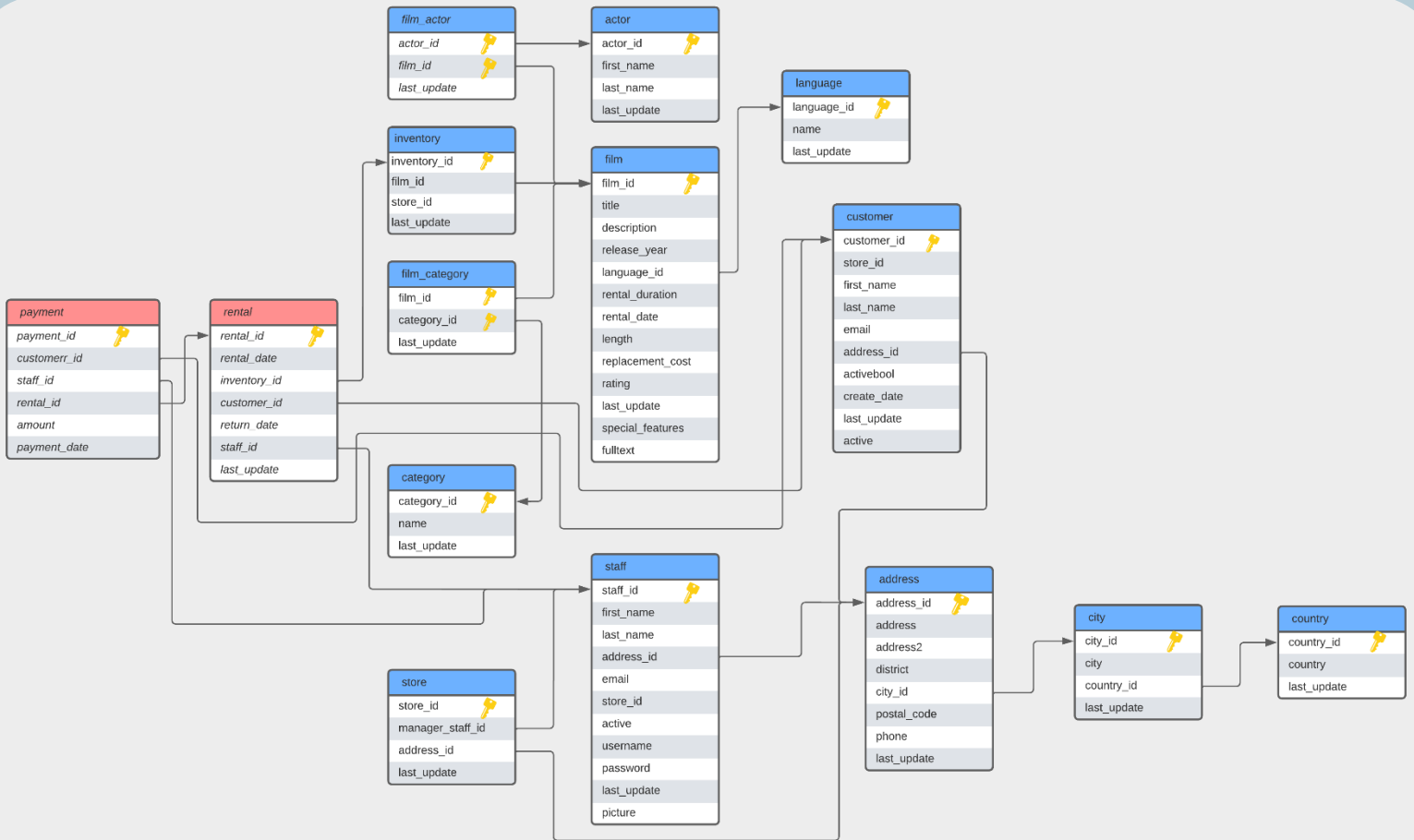
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Rockbuster

This is a documentation for Rockbuster database, a movie rental company. Rockbuster database supports transaction processing and maintains various types of records including customers, movies, and stores. This document helps define information found in the tables and the connections between those tables in the company's database.

Entity Relationship Diagram



Fact Tables

Rental

Name	Data Type	Description	Links from	Links to
rental_id	Serial	Number assigned to rental	payment	
rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental		
inventory_id	INTEGER	Number assigned to item		inventory
customer_id	SMALLINT	Number assigned to customer		
return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date rental was returned		
staff_id	SMALLINT	Number assigned to employee		staff
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Payment

Name	Data Type	Description	Links from	Links to
payment_id	SERIAL	Number assigned to payment		
customer_id	SMALLINT	Number assigned to customer		customer
staff_id	SMALLINT	Number assigned to employee		staff
rental_id	INTEGER	Number assigned to rental		rental
amount	NUMERIC(5,2)	Amount paid		
payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment		

Dimension Tables

Film

Name	Data Type	Description	Links from	Links to
film_id	SERIAL	Number assigned to film	film_actor, film_category, inventory	
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		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 to replace 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		

Film_actor

Name	Data Type	Description	Links from	Links to
actor_id	SMALLINT	Number assigned to actor		actor
film_id	SMALLINT	Number assigned to film		film
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Actor

Name	Data Type	Description	Links from	Links to
actor_id	SERIAL	Number assigned to actor	film_actor	
first_name	CHARACTERVARYING(45)	First name of actor		
last_name	CHARACTERVARYING(45)	Last name of actor		
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Film_category

Name	Data Type	Description	Links from	Links to
film_id	SMALLINT	Number assigned to film		film
category_id	SMALLINT	Number assigned to category		category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Category

Name	Data Type	Description	Links from	Links to
category_id	SERIAL	Number assigned to category	film_category	
name	CHARACTERVARYING(25)	Name of category		
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Customer

Name	Data Type	Description	Links from	Links to
customer_id	SERIAL	Number assigned to customer	payment, rental	
store_id	SMALLINT	Number assigned to store		
first_name	CHARACTERVARYING(50)	First name of customer		
last_name	CHARACTERVARYING(45)	Last name of customer		
email	CHARACTERVARYING(50)	Email address of customer		
address_id	SMALLINT	Number assigned to customer's address		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		

Address

Name	Data Type	Description	Links from	Links to
address_id	SERIAL	Number assigned to address	customer, staff, store	
address	CHARACTERVARYING(50)	Street address		
address2	CHARACTERVARYING(50)	Supplementary street address		
district	CHARACTERVARYING(20)	District		
city_id	SMALLINT	Number assigned to city		city
postal_code	CHARACTERVARYING(10)	Postal code		
phone	CHARACTERVARYING(20)	Phone number		
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

City

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

Country

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

Store

Name	Data Type	Description	Links from	Links to
store_id	SERIAL	Number assigned to store		
manager_staff_id	SMALLINT	Number assigned to store manager		staff
address_id	SMALLINT	Number assigned to store address		address
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Inventory

Name	Data Type	Description	Links from	Links to
inventory_id	SERIAL	Number assigned to item	rental	
film_id	SMALLINT	Number assigned to film		film
store_id	SMALLINT	Number assigned to store		
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Staff

Name	Data Type	Description	Links from	Links to
staff_id	SERIAL	Number assigned to employee	payment, staff	
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		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		

Language

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