

Rockbuster Stealth LLC Data Dictionary

3.10

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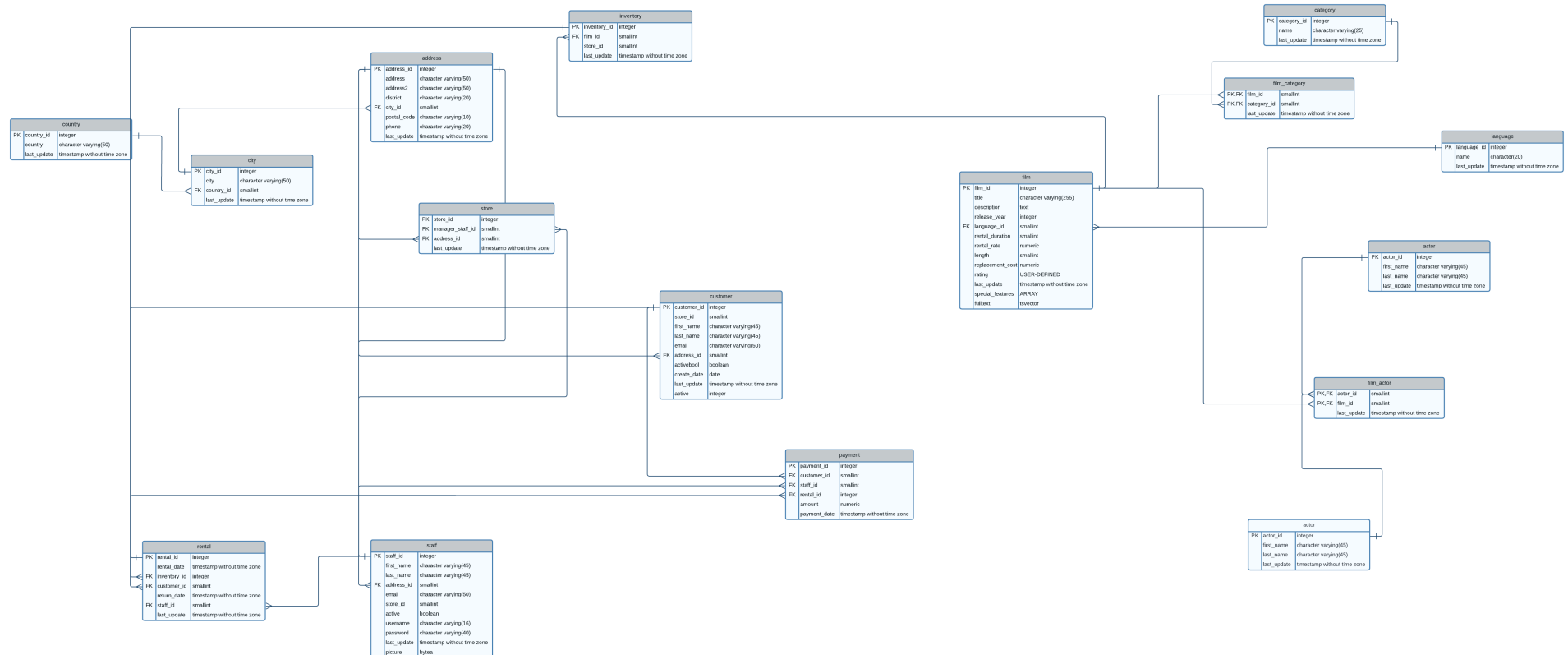
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1. Introduction

This document refers as Data Dictionary for the database of Rockbuster Stealth LLC. It contains relationship between all the tables within the dataset along with explanations of each field, its' type and a brief description. The database contains 15 tables and has Snowflake schema. This document can be used to study relationships between tables, identify primary key and foreign keys of the tables to solve many problems. The database may be downloaded from the following link: [Rockbuster Stealth LLC Database](#)

2. Entity Relationship Diagram

2.1 The Diagram



2.2 Type of the Schema

The ERD generated for the Rockbuster database have a snowflake schema. This is evident as the fact table “payment” is connected to dimension table “staff” which further is connected to a sub-dimensional table “address” and so on. There are many such instances where a dimension table relates to many more subdimensional table. This makes it clear that it is a snowflake schema.

3. Fact Table

We have considered payment as a fact table and rest of them are dimension or subdimension table.

3.1 Payment Table

Table Name: payment

Column Name	Data type	Description
payment_id	Integer	A unique number that identifies a payment
customer_id	Smallint	A number that is assigned to each customer for identification
staff_id	Smallint	A number that is assigned to each staff member for identification
rental_id	Integer	A number id that identifies details about a rental
amount	Numeric	A numerical value that refers to the amount paid

4. Dimension Tables

Following is the list of all dimensions or subdimension tables.

4.1 Customer Table

Column Name	Data Type	Description
customer_id	integer	A unique number that is assigned to identify each customer
store_id	smallint	A unique number that is assigned to a store
first_name	character varying(45)	A text string that refers to the first name

last_name	character varying(45)	A text string that refers to the last name
email	character varying(50)	A text string that refers to the email address
address_id	smallint	A number that is assigned to each customer address
activebool	boolean	A true or False value
create_date	date	refers to the when the entry was created
last_update	timestamp without time zone	refers to the date when the entries were last updated
active	integer	status of the customer 0 or 1

4.2 Rental Table

Column Name	Data type	Description
rental_id	integer	A unique number that refers to each rental information
rental_date	timestamp without time zone	A date indicating when it was rented
inventory_id	integer	A number that refers to each inventory
customer_id	smallint	A unique number that is assigned to identify each customer
return_date	timestamp without time zone	A date on which the rental was returned
staff_id	smallint	A number that uniquely identifies a staff member
last_update	timestamp without time zone	Date when the last update about the rental was made

4.3 Staff Table

Column Name	Data type	Description
staff_id	integer	A number that uniquely identifies a staff member
first_name	varchar(45)	A text string indicating first name of the staff member
last_name	varchar(45)	A text string indicating last name of the staff member
address_id	smallint	A number that uniquely identifies address details
email	varchar(50)	A text string that contains email address
store_id	smallint	A number that uniquely identifies a store
active	boolean	True or False indicating status of the staff member
username	varchar(16)	A text string containing username of the staff member
password	varchar(40)	A text string containing password of the staff member
last_update	timestamp without time zone	A date indicating when the last update was made
picture	bytea	Photograph of the staff member

4.4 Address Table

Column Name	Data type	Description
address_id	integer	A number that uniquely identifies an address
address	varchar(50)	A text string containing address details
address2	varchar(50)	A text string containing address details

district	varchar(20)	A text string containing district name
city_id	smallint	A number that uniquely identifies a city
postal_code	varchar(10)	A text string containing postal code
phone	varchar(20)	A text string containing phone number
last_update	timestamp without time zone	A date indicating when the last update took place

4.5 City Table

Column Name	Data type	Description
city_id	integer	A number that uniquely identifies a city
city	varchar(50)	A text string containing name of the city
county_id	smallint	A number that uniquely identifies a county
last_update	timestamp without time zone	A date indicating when the last update took place

4.6 Country Table

Column Name	Data type	Description
country_id	integer	A number that uniquely identifies a country
country	varchar(50)	A text string containing name of the country
last_update	timestamp without time zone	A date indicating when the last update took place

4.7 Store Table

Column Name	Data type	Description
store_id	integer	A number that uniquely identifies a store
manager_staff_id	smallint	A number that uniquely identifies store manager
address_id	smallint	A number that uniquely identifies address of the store
last_update	timestamp without time zone	A date indicating when the last update took place

4.8 Inventory Table

Column Name	Data type	Description
inventory_id	integer	A number that uniquely identifies inventory information
film_id	smallint	A number that uniquely identifies a film
store_id	smallint	A number that uniquely identifies a store
last_update	timestamp without time zone	Date indicating when the last update took place

4.9 Film Table

film_id	integer	A number that uniquely identifies a film
title	varchar(255)	A text containing title of the film
description	text	A text indicating the description of the film

release_year	integer	A number containing release year of the film
language_id	smallint	A number that uniquely identifies a language
rental_duration	smallint	A number representing for how long the film was rented
rental_rate	numeric	A numeric value indicating rate of the rental
length	smallint	A number that represents length of the film
replacement_cost	numeric	A numerical value that represents replacement cost of the film
rating	USER-DEFINED	A user defined data type indicating a text that corresponds to the audience rating of the film such PG-13
last_update	timestamp without time zone	A date representing when the last update was made
special_features	text	A text that indicates what extra features are included in the film
fulltext	tsvector	A vector that represents key words in the film

4.10 Language Table

Column Name	Data type	Description
language_id	integer	A number that uniquely identifies a language
name	varchar(20)	A text string that contains name of the language
last_update	timestamp without time zone	A date that refers to last update date

4.11 Film Category Table

Column Name	Data type	Description
film_id	smallint	A number that uniquely identifies a film
category_id	smallint	a number that uniquely identifies a category
last_update	timestamp without time zone	A date that refers to last update date

4.12 Category Table

Column Name	Data type	Description
category_id	integer	A number that uniquely identifies a category name
name	varchar(25)	A text that represents name of the category
last_update	timestamp without time zone	A date that refers to last update date

4.13 Film Actor Table

Column Name	Data type	Description
actor_id	smallint	A number that uniquely represents an actor
film_id	smallint	A number that uniquely represents a film
last_update	timestamp without time zone	A date that refers to last update date

4.14 Actor Table

Column Name	Data type	Description
actor_id	integer	A number that uniquely identifies an actor
first_name	varchar(45)	A text string that contains first name of the actor
last_name	varchar(45)	A text string that contains last name of the actor
last_update	timestamp without time zone	A date that refers to last update date