Data Dictionary

ROCKBUSTER STEALTH

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2020 Strategy

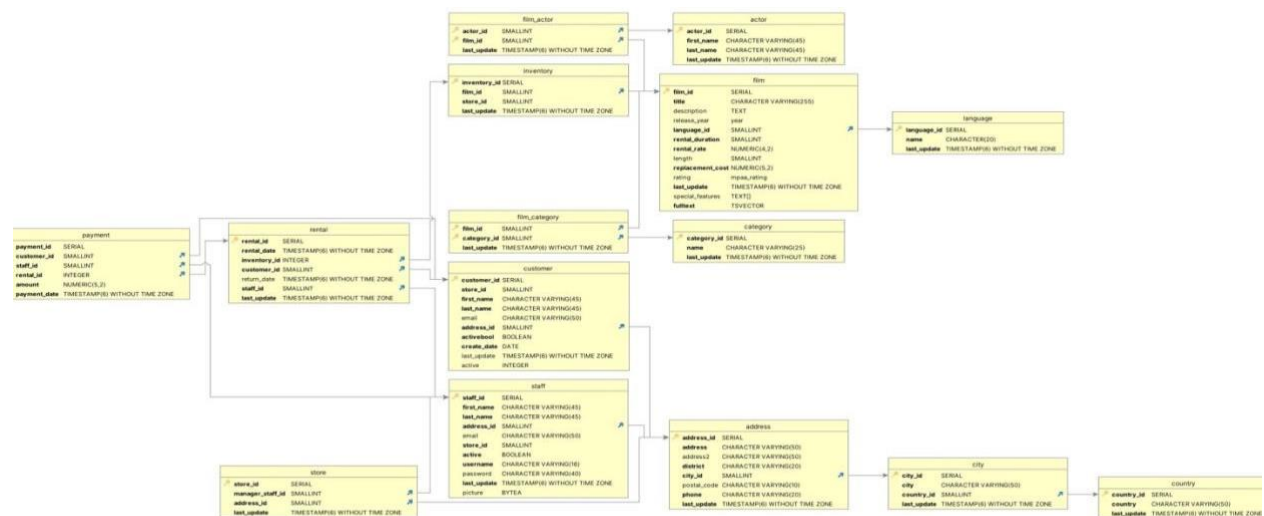## Table of Contents

1. Rockbuster Stealth

Rockbuster Stealth LLC, a global movie rental company, is gearing up to introduce an online video rental store. Within the Rockbuster database, you'll find a Snowflake schema that encompasses data related to rentals, payments, movies, stores, and staff.

2. Entity Relationship Diagram (ERD)

3. Fact Tables

Rental

Columns	Data Type	Description
Rental_id	SERIAL	Unique ID number for each rental instance
Rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp for exact data and time of rental
Inventory_id	INTEGER	Unique ID number for each rental instance
Customer_id	SMALL INT	Unique number identifying each customer
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for exact data and time of rental return
Staff_id	SMALLINT	Unique number identifying each staff member
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact data and time this table was last updated

Payment

Columns	Data Type	Description
Payment_id	SERIAL	Unique number identifying each payment transaction
Customer_id	SMALLINT	Unique number identifying each customer
Staff_id	SMALLINT	Unique number identifying each staff member
Rental_id	INTEGER	Unique ID number for each rental instance
Amount	NUMERIC(5,2)	Amount of payment in USD
Payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp of the exact data and time the payment was made

4. Dimension Tables

Store

Columns	Data Type	Description
Store_id	SERIAL	Unique ID number for each store location
Manager_staff_id	SMALLINT	Unique ID number for the manager of each store
address_id	SMALLINT	Unique ID number for each address (including stores, staff, and
		customers. In this case it is the ID for the store address)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated

Film_Actor

Columns	Data Type	Description
Actor_ID	SERIAL	Unique ID number given to each film actor
Film_id	SMALLINT	Unique ID number given to each film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated

Inventory

Columns	Data Type	Description
Inventory_id	SERIAL	Unique number identifying each rental unit in inventory
Film_id	SMALLINT	Unique ID number given to each film

Store_id	SMALLINT	Unique ID number for each store location
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated

Film_category

Columns	Data Type	Description
Film_id	SMALLINT	Unique ID number given to each film
Category_id	SMALLINT	Unique ID number given to each film category
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated

Customer

Columns	Data Type	Description
Customer_id	SERIAL	Unique number identifying each customer
Store_id	SMALLINT	Unique ID number for each store location
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
Address_id	SMALLINT	Unique ID number for each address (including stores, staff, and customers. In this case it is the ID for the customer address.)
Activebool	BOOLEAN	True or False for if the customer is currently an active customer
Create_Date	DATE	The date the customer's account was created
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time this table was last updated
active	INTEGER	A 0 or 1 indicating the customer's active status

Staff

Columns	Data Type	Description
Staff_id	SERIAL	Unique number identifying each staff member
First_name	CHARACTER VARYING(45)	First name of staff member
Last_name	CHARACTER VARYING(45)	Last name of staff member
Address_id	SMALLINT	Unique ID number for each address (including stores, staff, and customers. In this case it is the ID for the staff address.)
email	CHARACTER VARYING(50)	Email of the staff member
Store_id	SMALLINT	Unique ID number for each store location
Active	BOOLEAN	True or False for if the staff member is currently an active staff member
Username	CHARACTER VARYING(16)	Staff member username
Password	CHARACTER VARYING(40)	Staff member password
Last_updated	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time this table was last updated
picture	BYTEA	Photo of staff member

Actor

Columns	Data Type	Description
Actor_id	SERIAL	Unique ID number given to each actor
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	Timestamp for the exact date and time this table was last updated

Film

Columns	Data Type	Description
Film_id	SERIAL	Unique ID number given to each film
Title	CHARACTER VARYING(225)	Title of film
Description	TEXT	Description of film in text
Release_year	year	The year the film was release
Language_id	SMALLINT	The language of the film
Rental_duration	SMALLINT	The length of rental in days
Rental_rate	NUMBERIC(4,2)	Price of rental in USD
Length	SMALLINT	Length of film in minutes
Replacement_cost	NUMERIC(5,2)	Cost of replacing each film unit lost in USD
Rating	mpaa_rating	Rating given to each film by the MPAA
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated
Special_features	TEXT[]	Special features that accompany the film
fulltext	TSVECTOR	Text search vectors for full film text

Category

Columns	Data Type	Description
Category_id	SERIAL	Unique ID number given to each film category
Name	CHARACTER VARYING(25)	Name of category
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated

Address

Columns	Data Type	Description
Address_id	SERIAL	Unique ID number for each address (including stores, staff, and customers.)
Address	CHARACTER VARYING(50)	Street address
Address 2	CHARACTER VARYING(50)	Second line of street address if needed for unit or apartment number, etc.
district	CHARACTER VARYING(20)	State, providence, or territory of address
City_id	SMALLINT	Unique ID number given to each city
Postal_code	CHARACTER VARYING(10)	Postal code for each address
Phone	CHARACTER VARYING(20)	Phone number for each customer, store, or staff member whose address is in table
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated

Language

Columns	Data Type	Description
Language_id	SERIAL	Unique ID number given to each language in which the films exist
Name	CHARACTER(20)	Language name
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was updated

City

Columns	Data Type	Description
City_id	SERIAL	Unique ID number given to each city
City	CHARACTER VARYING(50)	Name of city
Country_id	SMALLINT	Unique id number given to each country
Last_update	TIMESTAMP(6) WITHOUT THE TIMEZONE	Timestamp for the exact date and time this table was last updated

Country

Columns	Data Type	Description
Country_id	SERIAL	Unique ID number given to each country
Country	CHARACTER VARYING(50)	Name of country
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp for the exact date and time this table was last updated