RockBuster

Data Dictionary

Contents

1. Entity Relationship Diagram (ERD)

2. Tables

Primary Key :

Foreign Key:

Fact Table
Rental

Columns	Data Type	Description
Rental_ID	Serial	Internal Serial codes to document how many movies they have in stock, rented, etc.
Rental_date	Timestamp (6) Without Time Zone	Date that the movie was rented out
Inventory ID	Integer	Internal ID to document how many they have in stock in a specific store
Customer ID	Smallint	Internal ID to keep track of customers and send specific deals that they would be interested in
Return_date	Timestamp (6) without time zone	Internal information about when the movie was returned and if it was late or not
Staff_Id	Smallint	Internal documentation on staff
Last_update	Timestamp (6) without time zone	Internal documentation of when it was last entered in the system

Dimension Tables

FILM

Columns	Data Type	Description
Film_id 🔑	Serial	Serial code for the company to keep track of
Title	Character Varying (255)	Title of the movie
Desription	Text	Summary of the movie
Release_year	Year	The year the movie released
Language_id 🔑	Smallint	Language is prominently spoken throughout the film.
Rental_duration	SMALLINT	Duration the movie was rented for
Rental_rate	NUMERIC (4,2)	How often the movie is rented
Length	SMALLINT	Showtime of the movie from opening to credits
Replacement_cost	Numeric (5,2)	The cost of replacing damaged movies
Rating	MPAA_rating	Age restrictions apply to the movie (if it is meant for kids or adults, i.e., pg-13, etc.)
Last_update	Timestamp (6) without time zone	The most recent time that the movie was pinged in the system
Special_features	Text	Describing what features are included in the rental (commentary, deleted scenes, etc.)
Fulltext	TSVECTOR	Buzzwords that are tied to the movie to recommend or find easier.

Payment

Columns	Data Type	Description
Payment_id 🔑	Serial	Type of payment (Credit card, cash, etc.)
Customer_id 🔑	Smallint	Internal ID to keep track of customers and send specific deals that they would be interested in
Staff_Id 🔑	Smallint	Internal documentation on staff

Rental_ID 🔑	Serial	Internal Serial codes to document how many movies they have in stock, rented, etc.
Amount	Numeric (5, 2)	Cost the customer pays to rent the movie
Payment_date	Timestamp (65) without time zone	Date the company received payment for the rental

Customer

Columns	Data Type	Description
Customer_id 🗝️	Serial	Internal ID to keep track of customers and send specific deals that they would be interested in
Store_id	Smallint	Internal documentation to manage stores and their inventories.
First_name	Character Varying (45)	First name of customer
Last_name	Character Varying (45)	Last name of customer
Email	Character Varying (50)	Email of the customer
Address_id 🔑	Smallint	Address of the customer
Acitvebool	Boolean	Whether or not the customer has an active membership
Create_date	Date	When the customer created their account
Last_update	Timestamp (6) without timezone	Last time, the customer rented a movie
Active	Integer	If the customer is currently renting a movie

Staff

Columns	Data Type	Description
Staff_id 🗝️	Serial	Internal documentation on staff
First_name	Character Varying (45)	First name of staff
Last_name	Character Varying (45)	Last name of staff
Address_id 🔑	Smallint	Address of the staff
Email	Character Varying (50)	Email of the staff
Active	Boolean	If the staff is currently working for the company
Username	Character Varying (16)	Username for the staff's company account

Password	Character Varying (40)	Password for staff's company account
Last_update	Timestamp (6) without time zone	Last time they signed into their company account
Picture	Bytea	Picture of themselves in company attire

Film_actor

Columns	Data Type	Description
Actor_id 🔑🔑	Smallint	The internal number assigned to the actor
Film_id 🔑🔑	Smallint	The internal number assigned to the film
Last_update	Timestamp (6) without time zone	Last time information was updated about the film

Store

Columns	Data Type	Description
Store_id 🔑	Serial	The internal number assigned to the store.
Manager_staff_id 🔑	Smallint	Internal id for manager for the stores
Address_id 🔑	Smallint	Address of the store
Last_update	Timestamp (6) without time zone	Last time information was updated about the store

Actor

Columns	Data Type	Description
Actor_id 🔑	Serial	The internal number assigned to the actor
First_name	Character Varying (45)	First name of the actor
Last_name	Character Varying (45)	Last name of the actor
Last_update	Timestamp (6) without time zone	Last time the actor was assigned to a movie

Language

Columns	Data Type	Description
Language_Id 🔑	Serial	The internal number assigned to the type of language

Name	Character (20)	The name of the language (English, Spanish, etc.)
Last_update	Timestamp (6) without time zone	Last time the ID or name was changed or implemented into the system.

Inventory

Columns	Data Type	Description
Inventory ID 🔑	serial	Internal ID to document how many they have in stock in a specific store
Film_id 🔑	Smallint	The internal number assigned to the film
Store_id	Smallint	The internal number assigned to the store.
Last_update	Timestamp (6) without time zone	Last time, the inventory was changed or implemented into the system.

Category

Columns	Data Type	Description
Category_id 🔑	Serial	Internal number tied to a category of films
Name	Character varying (25)	Name of the category (action, children, etc.)
Last_update	Timestamp (6) without time zone	Last time, a category was added to the system.

Film_catogory

Columns	Data Type	Description
Film_id 🔑🔑	Smallint	The internal number assigned to the film
Category_id 🔑🔑	Smallint	Internal number tied to a category of films
Last_update	Timestamp (6) without time zone	Last time a category was added to the system.

Address

Columns	Data Type	Description
Address_id 🔑	Serial	Internal code given to an Address of the company stores store
Address	Character varying (50)	Address of the store
Address2	Character varying (50)	Currently, this category has not been used, and it should be regarded as null information.
District	Character varying (30)	Either state or country where the company has a store
City_id 🔑	Smallint	Internal ID for the city
Postal_code	Character varying (10)	If a store location has a postal code, it is listed here
Phone	Character Varying (20)	Each store's phone number
Last_update	Timestamp (6) without time zone	Last time there was an update to the store's location

City

Columns	Data Type	Description
City_Id 🔑	serial	Internal ID for the city
City	Character varying (50)	The name of the city where the store is located
Country_id	Smallint	Internal number assigned to each county
Last_update	Timestamp (6) without time zone	Last time, there was an update to the store's location

Country

Columns	Data Type	Description
Country_id 🔑	Serial	An internal number assigned to each country
Country	Character varying (50)	Name of each country a store is located in
Last_update	Timestamp (6) without time zone	Last time there was an update to the store's location