ROCKBUSTER DATA DICTIONARY

Table of Contents

1. Entity Relationship Diagram (ERD)

2. Tables
2.1 Payment

Columns	Data type	Description
Payment_id	SERIAL	Unique ID for payment records
Customer_id	SMALLINT	Number assigned to customer for payment
Staff_id	SMALLINT	Number for employee to check customer payment
Rental_id	INTEGER	Number assigned for rental
Amount	NUMERIC(5,2)	Amount paid
Payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment

Key	Key type	Joined Table
Payment_id	Primary	N/A
Customer_id	Foreign	Payment->Customer
Staff_id	Foreign	Payment ->Staff
Rental_id	Foreign	Payment->Rental

2.2 Store

Columns	Data type	Description
Store_id	SERIAL	Unique id for store records.
Manager_staff_id	SMALLINT	Identity for manager and staff
Address_id	SMALLINT	Number for store address
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when last updated

Key	Key type	Joined Table
Store_id	Primary	Staff->Store
Manager_staff_id	Foreign	Store->Staff
Address_id	Foreign	Store->Address

2.3 Rental

Columns	Data type	Description
Rental_id	SERIAL	Unique id for rental records
Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
Inventory_id	INTEGER	Number assigned to inventory
Customer_id	SMALLINT	Number assigned to customer
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when return
Staff_id	SMALLINT	Number assigned to staff
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when rental was last updated

Key	Key type	Joined Table
Rental_id	Primary	Payment->Rental
Inventory_id	Foreign	Rental->Inventory
Customer_id	Foreign	Rental->Customer
Staff_id	Foreign	Rental->Staff

2.4 Film_actor

Columns	Data type	Description
Actor_id	SMALLINT	Unique id for actor records.
Film_id	SMALLINT	Number assigned to film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when last updated

Key	Key type	Joined Table
Actor_id	Primary	Film_actor<->Actor
Film_id	Foreign	Film_actor<->Film

2.5 Film_category

Columns	Data type	Description
Film_id	SMALLINT	Unique id for film records

| Category_id | SMALLINT | Number assigned to category of film |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date of when last updated |

Key	Key type	Joined Table
Film _id	Primary	Film_category<->Film
Category_id	Foreign	Film_category<->Category

2.6 Inventory

Columns	Data type	Description
Inventory_id	SERIAL	Unique id for inventory records
Film_id	SMALLINT	Number assigned to film in inventory
Store_id	SMALLINT	Number assigned to store
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when last updated

Key	Key type	Joined Table
Inventory_id	Primary	Rental -> Inventory
Film_id	Foreign	Inventory -> Film

2.7 Customer

Columns	Data type	Description
Customer_id	SERIAL	Unique id for customer records
Store_id	SMALLINT	Number assigned store
First_name	CHARACTER VARYING(45)	First name of customer
Last_name	CHARACTER VARYING(45)	Last name of customer
Email	CHARACTER VARYING(50)	Email of customer
Address_id	SMALLINT	Number assigned to address of customer
Activebool	BOOLEAN	Customer being active or not
Create_date	DATE	Date when customer was created

Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when last updated
active	INTEGER	Customer active or not

Key	Key type	Joined Table
Customer_id	Primary	Payment->Customer Rental -> Customer
Address_id	Foreign	Customer->Address

2.8 Staff

Columns	Data type	Description
Staff_id	SERIAL	Unique id for staff records
First_name	CHARACTER VARYING(45)	First name of staff member
Last_name	CHARACTER VARYING(45)	Last name of staff member
Address_id	SMALLINT	Number assigned to staff address
Email	CHARACTER VARYING(50)	Email address of staff member
Store_id	SMALLINT	Number assigned to store
Active	BOOLEAN	Staff being active or not
Username	CHARACTER VARYING(16)	Username of staff
password	CHARACTER VARYING(40)	Password to staff
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when last updated
picture	BYTEA	Picture of staff member

Key	Key type	Joined Table
Staff_id	Primary	Payment->Staff Rental -> Staff Store -> Staff
Address_id	Foreign	Staff ->Address

2.9 Actor

Columns	Data type	Description
Actor_id	SERIAL	Unique id for actor records
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	Date when last updated

Key	Key type	Joined Table
Actor_id	Primary	Film_actor->Actor

2.10 Film

Columns	Data type	Description
Film_id	SERIAL	Unique id for film records
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Description of film
Release_year	year	Year of film
Language_id	SMALLINT	Language of film
Rental_duration	SMALLINT	Duration of film being rented
Rental_rate	NUMERIC(4,2)	Rental rate of film
length	SMALLINT	Length of film
Replacement_cost	NUMERIC(5,2)	Replacement cost of film
rating	Mpaa_rating	Rating of film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when last updated
Special_features	TEXT[]	Special features in film
fulltext	TSVECTOR	Summary of text describing the film

Key	Key type	Joined Table
Film_id	Primary	Film_actor->Film Film_category -> Film Inventory -> Film
Language_id	Foreign	Film -> Language

2.11 Category

Columns	Data type	Description
Category_id	SERIAL	Unique of category records
Name	CHARACTER VARYING(25)	Name of genre
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when last updated

Key	Key type	Joined Table
Category_id	Primary	Film_category -> Category

2.12   Address

Columns	Data type	Description
Address_id	SERIAL	Unique id of address records
address	CHARACTER VARYING(50)	First line of address
Address2	CHARACTER VARYING(50)	Second line of address
District	CHARACTER VARYING(20)	District of address
City_id	SMALLINT	City of address
Postal_code	CHARACTER VARYING(10)	Postal code of address
phone	CHARACTER VARYING(20)	Phone number
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when last updated

Key	Key type	Joined Table
Address_id	Primary	Customer -> Address Staff -> Address Store -> Address
City_id	Foreign	Address->City

2.13   Language

Columns	Data type	Description
Language_id	SERIAL	Unique id of language records
Name	CHARACTER(20)	Name of language
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when last updated

Key	Key type	Joined Table
Language_id	Primary	Film -> Language

2.14   City

Columns	Data type	Description
City_id	SERIAL	Unique id of city records
city	CHARACTER VARYING(50)	Name of city

Country_id	SMALLINT	Number assigned to country
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when last updated

Key	Key type	Joined Table
City_id	Primary	Address -> City
Country_id	Foreign	City -> Country

2.15   Country

Columns	Data type	Description
Country_id	SERIAL	Unique id of country records
country	CHARACTER VARYING(50)	Name of country
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when last updated

Key	Key type	Joined Table
Country_id	Primary	City -> Country