ROCKBUSTER STEALTH LLC

Data Dictionary

Mimie Laurant

Mimie.laurant@gmail.com | 2023-08-07

Table of Contents

Legend ***2***

Entity Relationship Diagram (ERD) ***2***

Fact Tables ***3***

Payment **3**

Rental **3**

Dimension Tables ***4***

Store **4**

Film Actor **4**

Inventory **4**

Film Category **5**

Customer **5**

Staff **6**

Actor **6**

Film **7**

Category ***7***

Language **8**

Legend

Primary Key

Foreign Key

Entity Relationship Diagram (ERD)

Fact Tables

Payment

Payments made by customers at Rockbuster.

Name of Table	Columns	Data Type	Description
Payment	Payment_id	Integer	Unique payment identifier
	Customer_id	Smallint	Unique customer identifier
	Staff_id	Smallint	Unique staff identifier
	Rental_id	Integer	Unique rental identifier
	Amount	Numeric	Amount of payment
	Payment_date	Timestamp without time zone	Date of payment

Links to: RENTAL (via rental_id), STAFF (via staff_id), CUSTOMER (via customer_id)

Rental

Rental transaction data for all rentals at Rockbuster.

Name of Table	Columns	Data Type	Description
Rental	Rental_id	Integer	Unique rental identifier
	Rental_date	Timestamp without time zone	Date that rental started
	Inventory_id	Integer	Unique inventory identifier
	Customer_id	Smallint	Unique customer identifier
	Return_date	Timestamp without time zone	Date that rental was returned
	Staff_id	Smallint	Unique staff identifier
	Last_update	Timestamp without time zone	Date of last update

Links to: INVENTORY (via inventory_id), CUSTOMER (via customer_id), STAFF (via staff_id)

Dimension Tables

Store

Stores in the Rockbuster database.

Name of Table	Columns	Data Type	Description
Store	Store_id	Integer	Unique store identifier
	Manager_staff_id	Smallint	Unique store manager identifier
	Address_id	smallint	Address of video store
	Last_update	Timestamp without time zone	Date of last update

Links to: ADDRESS (via address_id)
Links from: STAFF (via store_id), INVENTORY (via store_id)

Film Actor

The association actors and the films in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
Film_actor	Actor_id	Smallint	Name of actor
	Film_id	Smallint	Unique film identifier
	Last_update	Timestamp without time zone	Date of last update

Links to: ACTOR (via actor_id), FILM (film_id)
Links from: ACTOR (via actor_id), FILM (via film_id)

Inventory

The inventory of films in Rockbuster stores.

Name of Table	Columns	Data Type	Description
Inventory	Inventory_id	Integer	Unique inventory identifier
	Film_id	Smallint	Unique film identifier
	Store_id	Integer	Unique store identifier
	Last_update	Timestamp without time zone	Date of last update

Links to: FILM (via film_id), STORE (via store_id)
Links from: FILM (via film_id), STORE (via store_id)

Film Category

The association between the films and film categories in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
Film_category	Film_id	Smallint	Unique film identifier
	Category_id	Smallint	Unique film category identifier
	Last_update	Timestamp without time zone	Date of last update

Links To: FILM (via film_id), CATEGORY (via category_id)
Links From: FILM (via film_id), CATEGORY (via category_id)

Customer

Customers in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
Customer	Customer_id	Smallint	Unique customer identifier
	Store_id	Integer	Unique store identifier
	First_name	Character varying(45)	First name of customer
	Last_name	Character varying(45)	Last name of customer
	Email	Character varying(50)	Customer's email address
	Address_id	Smallint	Customer's physical address
	Activebool	Boolean	Customer's active status
	Create_date	Date	Date of customer account creation
	Last_update	Timestamp without time zone	Date of last update
	active	integer	Active status represented by a 0 or 1

Links To: PAYMENT (via customer_id)
Links From: PAYMENT (via customer_id)

Staff

Staff members at Rockbuster stores.

Name of Table	Columns	Data Type	Description
Staff	Staff_id	Smallint	Unique staff identifier
	First_name	Character varying(45)	First name of staff member
	Last_name	Character varying(45)	Last name of staff member
	Address_id	Smallint	Staff member's address
	Email	Character varying(50)	Staff member's email address
	Store_id	Integer	Unique store identifier
	active	integer	Active status represented by a 0 or 1
	Username	Character varying(16)	Staff member's username
	Password	Character varying(40)	Staff member's password
	Last_update	Timestamp without time zone	Date of last update
	picture	bytea	Picture of staff member

Links To: STORE (via manager_staff_id)
Links From: PAYMENT (via staff_id), STORE (via manager_staff_id)

Actor

Actors in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
Actor	Actor_id	Smallint	Name of actor
	First_name	Character varying(45)	First name of actor
	Last_name	Character varying(45)	Last name of actor
	Last_update	Timestamp without time zone	Date of last update

Links To: FILM_ACTOR (via actor_id)
Links From: FILM_ACTOR (via actor_id)

Film

Films in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
Film	Film_id	Smallint	Unique film identifier
	Title	Character varying(255)	Title of film
	Description	text	Film synopsis
	Release_year	Integer	Year of film's release
	Language_id	Smallint	Language of film
	Rental_duration	Smallint	Length of rental term
	Rental_date	Timestamp without time zone	Date that rental started
	length	Smallint	Run time of the film
	Replacement_cost	Numeric	Cost to replace film
	rating	USER-DEFINED	Film rating
	Last_update	Timestamp without time zone	Date of last update
	Special_features	ARRAY	Film's special features
	fulltext	tsvector	Film index

Links To: FILM_ACTOR (via film_id), FILM_CATEGORY (via film_id), INVENTORY (via film_id)
Links From: FILM_ACTOR (via film_id), FILM_CATEGORY (via film_id), INVENTORY (via film_id)

Category

Categories in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
category	Category_id	Smallint	Unique film category identifier
	Name	Character varying(25)	Name of film category
	Last_update	Timestamp without time zone	Date of last update

Links To: FILM_CATEGORY (via category_id)
Links From: FILM_CATEGORY (via category_id)

Language

Languages of the films in the Rockbuster movie collection.

Name of Table	Columns	Data Type	Description
Language	Language_id	Integer	Unique language identifier
	Name	Character(20)	Language
	Last_update	Timestamp without time zone	Date of last update

Links To: FILM (via language_id)
Links From: FILM (via language_id)

Address

Addresses of Rockbuster customers.

Name of Table	Columns	Data Type	Description
Address	Address_id	Integer	Unique address identifier
	Address	Character varying(50)	First line of address
	Address2	Character varying(50)	Second line of address
	District	Character varying(20)	City/District
	City_id	Smallint	Unique city identifier
	Postal_code	Character varying(10)	Postal code
	Phone	Character varying(20)	Phone number
	Last_update	Timestamp without time zone	Date of last update

Links to: CITY (via city_id)
Links from: STORE (via address_id), CUSTOMER (via address_jd)

Country

Countries where Rockbuster customers reside.

Name of Table	Columns	Data Type	Description
country	Country_id	Integer	Unique country identifier
	Country	Character varying(50)	Country name
	Last_update	Timestamp without time zone	Date of last update

Links From: CITY (via country_id)

City

Cities where Rockbuster customers reside.

Name of Table	Columns	Data Type	Description
city	City_id	Integer	Unique city identifier
	City	Character varying(50)	Name of city
	Country_id	smallint	Unique country identifier
	Last_update	Timestamp without time zone	Date of last update

Links To: COUNTRY (via country_id)
Links From: ADDRESS (via city_id)

Sources and Associated Documents

Rockbuster Data Set

Tableau Public