



ROCKBUSTER DATA DICTIONARY

July 2022 Analysis

[Abstract](#)

Data dictionary for online rental strategy planning insight analysis

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1. Entity Relationship Diagram



2. Fact Table

2.1 Rental Table

Column ID	Data type	Description	Key	Links to	Links From
Rental_id	SERIAL	Unique identifier for rental column	Primary		Payment
Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental			
Inventory_id	INTEGR	Unique identifier for the inventory	Foreign	Inventory	
Customer_id	SMALLINT	Unique identifier for the customer	Foreign	Customer	
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date rental returned		Staff	
Staff_id	SMALLINT	Unique identifier for the staff	Foreign		
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3. Dimension Tables

3.1 Payment

Column ID	Data type	Description	Key	Links to	Links From
Payment_id	SERIAL	Unique identifier for the payment	Primary		
Customer_id	SMALLINT	Unique identifier for the customer	Foreign		Customer
Staff_id	SMALLINT	Unique identifier for the staff	Foreign		Staff

Rental_id	INTEGR	Unique identifier for the rental	Foreign	Rental
Amount	Numeric	Amount paid		
Payment date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment		

3.2 Store

Column ID	Data type	Description	Key	Links to	Links From
Store_id	SERIAL	Unique identifier for the store	Primary		
Manager_staff_id	SMALLINT	Unique identifier for the staff	Foreign	Staff	
Address_id	SMALLINT	Unique identifier for the address	Foreign	Address	
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.3 Film_actor

Column ID	Data type	Description	Key	Links to	Links From
Actor_id	SMALLINT	Unique identifier for the actor	Primary,Foreign	Actor	

Film_id	SMALLINT	Unique identifier for the film	Primary, Foreign	Film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update		

3.4 Inventory

Column ID	Data type	Description	Key	Links to	Links From
Inventory_id	SERIAL	Unique identifier for inventory	Primary		Rental
Film_id	SMALLINT	Unique identifier for the film	Foreign	Film	
Store_id	SMALLINT	Unique identifier for the store			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.5 Film_Category

Column ID	Data type	Description	Key	Links to	Links From
Film_id	SMALLINT	Unique identifier for the film	Primary, Foreign	Film	
Category_ID	SMALLINT	Unique identifier for the category	Primary, Foreign	Category	

Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update
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3.6 Customer

Column ID	Data type	Description	Key	Links to	Links From
Customer_id	serial	Unique identifier for the customer	Primary		Rental,Payment
Store_id	SMALLINT	Unique identifier for the store			
First_name	CHARACTER VARYING	Customer first name			
Last name	CHARACTER VARYING	Customer last name			
email	CHARACTER VARYING	Customer email			
Address_id	SMALLINT	Unique identifier for the address	Foreign	Address	
activebool	BOOLEAN	Customer active status			
create_date	DATE	Date entry created			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			
Active	INTEGR	Customer active status			

3.7 Staff

Column ID	Data type	Description	Key	Links to	Links From
staff_id	SERIAL	Unique identifier for the staff	Primary		Payment,store,rental
First_name	CHARACTER VARYING	staff first name			
Last name	CHARACTER VARYING	staff last name			
Address_id	SMALLINT	Unique identifier for the address	Foreign	Address	
email	CHARACTER VARYING	STAFF email			
Store_id	SMALLINT	Unique identifier for the store			
active	BOOLEAN	STAFF active status			
USERNAME	CHARACTER VARYING	STAFF USERNAME			
PASSWORD	CHARACTER VARYING	STAFF PASSWORD			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			
PICTURE	BYTEA	STAFF PICTURE			

3.8 Actor

Column ID	Data type	Description	Key	Links to	Links From
Actor_id	SERIAL	Unique identifier for the actor	Primary		Film_actor
First_name	CHARACTER VARYING	ACTOR first name			
Last_name	CHARACTER VARYING	ACTOR last name			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.9 Film

Column ID	Data type	Description	Key	Links to	Links From
Film_id	SERIAL	Unique identifier for the film	Primary		Film_category,film_actor, inventory
Title	CHARACTER VARYING	Title of film			
Description	CHARACTER VARYING	Movie description			
Release_year	Year	Year released			
Language_id	SMALLINT	Unique identifier for the language	Foreign	language	
Rental_duration	SMALLINT	TIME FILM WAS RENTED			
Rental_rate	NUMERIC(4,2)	COST OF RENTAL			
Length	SMALLINT	FILM LENGTH			
Replacement_cost	NUMERIC(5,2)	COST TO REPLACE			
Rating	mpaa_rating	RATING OF THE FILM			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			
Special features	TEXT[]	Special features			
Fulltext	TSVECTOR	Film keyword identifier			

3.10 Category

Column ID	Data type	Description	Key	Links to	Links From
Category_ID	SERIAL	Unique identifier for the category	Primary		Film_category
Name	CHARACTER VARYING	GENRE			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.11 Address

Column ID	Data type	Description	Key	Links to	Links From
Address_id	SERIAL	Unique identifier for the address	Primary		Customer, staff, store
Address	CHARACTER VARYING	Main street address			
Address2	CHARACTER VARYING	Line 2 (apt etc)			
District	CHARACTER VARYING	District			
City_id	SMALLINT	Unique identifier for the city	Foreign	City	
Postal_code	CHARACTER VARYING	Zipcode			
phone	CHARACTER VARYING	phonenummer			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.12 Language

Column ID	Data type	Description	Key	Links to	Links From
Language_id	serial	Unique identifier for the language	Primary		Film
Name	CHARACTER VARYING	Language type			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.13 City

Column ID	Data type	Description	Key	Links to	Links From
City_id	SERIAL	Unique identifier for the city	Primary		Address
City	CHARACTER VARYING	City name			
COUNTRY_id	SMALLINT	Unique identifier for the COUNTRY	Foreign	Country	
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			

3.14 Country

Column ID	Data type	Description	Key	Links to	Links From
COUNTRY id	SERIAL	Unique identifier for the COUNTRY	Primary		City
Country	CHARACTER VARYING	Country name			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last entry update			