

# ROCKBUSTER DATA DICTIONARY

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## Legends



Primary Key



Foreign Key





# ERD



## Tables

### Payment Table

#### Columns





	Name	Data Type	Description
	payment_id	SERIAL	The primary key for the Payment table. Unique number for each payment.
	customer_id	SMALLINT	Foreign key. Unique number for each customer.
	staff_id	SMALLINT	Foreign key. Unique number for each staff.
	rental_id	INTEGER	Foreign key. Unique number for each rental.
	amount	NUMERIC(5,2)	Numeric value for amount. Number can be no more than 5 digits and 2 digits placed after decimal point
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when payment was made.

#### Links To

Table	Join	Description
rental	payment.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
customer	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id

## Rental Table

### Columns

	Name	Data Type	Description
	rental_id	SERIAL	The primary key for the Rental table. Unique number for each rental.
	rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date format of when rental was made.
	inventory_id	INTEGER	Foreign key. Unique number for each inventory.
	customer_id	SMALLINT	Foreign key. Unique number for each customer.
	return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date format of the date when rental was returned.
	staff_id	SMALLINT	Foreign key. Unique number for each staff member.

### Links To

Table	Join	Description
inventory	rental.inventory_id = inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
customer	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
staff	rental.staff_id = staff.staff_id	Foreign key constraint referencing staff.staff_id




### Linked From

Table	Join	Description
payment	payment.rental_id = rental.rental_id	Foreign key constraint referencing rental.rental_id



## Store Table

### Columns



	Name	Data Type	Description
	store_id	SERIAL	The primary key for the Store table. Unique number for a store in a location.
	manager_staff_id	SMALLINT	Foreign key. Unique number for each managerial staff member.
	address_id	SMALLINT	Foreign key. Unique number for an address of a store.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when store data was last updated.

### Links To

Table	Join	Description
staff	store.manager_id = staff.staff_id	Foreign key constraint referencing staff.staff_id
address	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

## Film Actor Table

### Columns

	Name	Data Type	Description
	actor_id	SMALLINT	Foreign key. Unique number for each actor.
	film_id	SMALLINT	Foreign key. Unique number for each film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when actor data was last updated.




### Links To

Table	Join	Description
actor	film_actor.actor_id = actor.actor_id	Foreign key constraint referencing actor.actor_id
film	film_actor.film = film.film_id	Foreign key constraint referencing film.film_id



## Inventory

### Columns

	Name	Data Type	Description
	inventory_id	Serial	The primary key for the inventory table. Unique number for each inventory item.
	Film_id	Smallint	Foreign key. Unique number for each film.
	store_id	SmallInt	Foreign key. Unique number for a store in a location.
	Last_update	Timestamp(6) without time zone	Date/time format of when inventory data was last updated.

### Links To



Table	Join	Description
film	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id

### Linked From

Table	Join	Description
rental	rental.rental_id = inventory.rental_id	Foreign key constraint referencing rental.rental_id

## Film Category

### Columns




	Name	Data Type	Description
	film_id	SERIAL	Foreign key for the film category table. Unique number for each film.
	category_id	SMALLINT	Foreign key. Unique number fo the category of film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when file category was last updated.

### Links To

Table	Join	Description
film	film_category.film_id = film.film_id	Foreign key constraint referencing film.film_id
category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

## Customer

### Columns

	Name	Data Type	Description
	Customer_id	SERIAL	The primary key for the customer table. Unique number for each customer.
	Store_id	SMALLINT	Unique number for each store in a location.
	First_name	CHARACTER VARYING(45)	Customer's first name.
	Last_name	CHARACTER VARYING(45)	Customer's last name.
	Email	CHARACTER VARYING(45)	Customer's email.
	Address_id	SMALLINT	Foreign key. Unique number for an address of the customer.
	Activebool	BOOLEAN	True/False confirming if customer is active or not.
	Create_date	DATE	Date format of the creation of the customer record.
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when customer data was last updated.
	active	INTEGER	1 = active customer 0 = inactive customer

### Links To




Table	Join	Description
address	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id

### Linked From

Table	Join	Description
rental	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
payment	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id

## Staff

### Columns

	Name	Data Type	Description
	staff_id	SERIAL	The primary key for staff records. Unique number for each staff member.
	first_name	CHARACTER VARYING(45)	Staff's first name.
	last_name	CHARACTER VARYING(45)	Staff's second name.
	address_id	SMALLINT	Foreign key. Unique number for each address of the staff.
	email	CHARACTER VARYING(45)	Staff's email.
	store_id	SMALLINT	Foreign key. Unique number for each store in a location.
	active	BOOLEAN	True/False if staff active or not in system.
	username	CHARACTER VARYING(45)	Staff's username.
	password	CHARACTER VARYING(45)	Staff's password.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when staff data was last updated.
	picture	BYTEA	Staff's picture.

## Links To



Table	Join	Description
address	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id

## Linked From

Table	Join	Description
rental	rental.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
payment	payment.customer_id = customer.customer_id	Foreign key constraint referencing customer.customer_id
store	store.store_id = staff.store_id	Foreign key constraint referencing staff.staff_id

## Address

### Columns

	Name	Data Type	Description
	address_id	SERIAL	The primary key for address records. Unique number for each address.
	address	CHARACTER VARYING(45)	First line of address.
	address2	CHARACTER VARYING(45)	Second line of address.
	district	CHARACTER VARYING(45)	Address district.
	city_id	SMALLINT	Unique number of a city.
	postal_code	CHARACTER VARYING(45)	Address postal code.
	phone	CHARACTER VARYING(45)	Phone number.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when address data was last updated.

### Links To



Table	Join	Description
city	address.city_id = city.city_id	Foreign key constraint referencing city.city_id

### Linked From

Table	Join	Description
customer	customer.address_id = address.address_id	Foreign key constraint referencing address.address_id
staff	staff.address_id = address.address_id	Foreign key constraint referencing address.address_id
store	store.address_id = address.address_id	Foreign key constraint referencing address.address_id

## City

### Columns

	Name	Data Type	Description
	city_id	SERIAL	The primary key for city records. Unique number for each city.
	city	CHARACTER VARYING(45)	Name of city.
	country_id	SMALLINT	Foreign key. Unique number for each country.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when city data was last updated.

### Links To

Table	Join	Description
country	city.country_id = country.country_id	Foreign key constraint referencing country.country_id


### Linked From

Table	Join	Description
address	address.city_id = city.city_id	Foreign key constraint referencing city.city_id



## Country

### Columns


	Name	Data Type	Description
	country_id	SERIAL	The primary key for country records. Unique number for each country.
	country	CHARACTER VARYING(45)	Name of country.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when country was last updated.

### Linked From

Table	Join	Description
city	city.country_id = country.country_id	Foreign key constraint referencing country.country_id

## Actor

### Columns



	Name	Data Type	Description
	actor_id	SERIAL	The primary key for actor records. Unique number for each actor.
	first_name	CHARACTER VARYING(45)	Actor's first name.
	last_name	CHARACTER VARYING(45)	Actor's last name.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when actor data was last updated.

## Linked From

Table	Join	Description
fil_actor	film_actor.actor_id = actor.actor_id	Foreign key constraints referencing actor.actor_id

## Film

### Columns

	Columns	Data Type	Description
	film_id	SERIAL	The primary key for film records. Unique number for each film.
	title	CHARACTER VARYING(45)	Title of film.
	description	TEXT	Description of film.
	release_year	YEAR	Release year of film.
	language_id	SMALLINT	Foreign key. Unique number of a language.
	rental_duration	SMALLINT	Rental duration of film.
	rental_rate	NUMERIC(4,2)	Rental rate of film.
	length	SMALLINT	Length of film.
	replacement_cost	NUMERIC(4,2)	Replacement cost of film.
	rating	MPAA_RATING	Rating of film.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when film data was last updated.
	special_features	TEXT{}	Description of special features included.
	fulltext	TSVECTOR	Summary of text describing the film.

## Links To


Table	Join	Description
language	film.language_id = language.language_id	Foreign key constraint referencing language.language_id

## Links From

Table	Join	Description
film_actor	film_actor.film_id = film.film_id	Foreign key constraint referencing film.film_id
inventory	inventory.film_id = film.film_id	Foreign key constraint referencing film.film_id
film_category	film_category.film = film.film_id	Foreign key constraint referencing film.film_id

## Category

### Columns


	Name	Data Type	Description
	category_id	SERIAL	The primary key for category records. Unique number for each category.
	name	CHARACTER(25)	Name of category.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when category data was last updated.

## Linked From

Table	Join	Description
film_category	film_category.category_id = category.category_id	Foreign key constraint referencing category.category_id

## Language

### Columns

	Name	Data Type	Description
	language_id	SERIAL	The primary key for language records. Unique number for each language.
	name	CHARACTER(25)	Name of language.
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time format of when language data was last updated.

### Linked From

Table	Join	Description
film	film.language_id = language.language_id	Foreign key constraint referencing language.language_id