



Rockbuster Stealth LLC



DATA DICTIONARY

15th May 2024

Matthieu DA COL

Contents

1. ROCKBUSTER DATABASE ERD	3
2. FACT TABLES	4
RENTAL	4
PAYMENT	4
3. DIMENSION TABLES.....	5
ACTOR	5
ADDRESS.....	5
CATEGORY	6
CITY	6
COUNTRY.....	6
CUSTOMER	7
FILM.....	7
FILM_ACTOR.....	8
FILM_CATEGORY	8
INVENTORY.....	9
LANGUAGE	9
STAFF	9
STORE	10
APPENDIX.....	10



1. ROCKBUSTER DATABASE ERD



2. FACT TABLES

RENTAL

KEY	Columns	Data Type	Description	Links
PK	rental_id	serial	identification number of the rental, autofilled	← payment
	rental_date	timestamp	date and hour of the rent	
FK	inventory_id	int4	inventory's id from the inventory table	→ inventory
FK	customer_id	int2	customer's id from the customer table	→ customer
	return_date	timestamp	date and hour of the end of the rent	
FK	staff_id	int2	staff's id from the staff table	→ staff
	last_update	timestamp	date and hour of the last modification	

PAYMENT

KEY	Columns	Data Type	Description	Links
PK	payment_id	serial	identification number of the payment, autofilled	
FK	customer_id	int2	customer's id from the customer table	→ customer
FK	staff_id	int2	staff's id from the staff table	→ staff
FK	rental_id	int4	rental's id from the rental table	→ rental
	amount	numeric	price of the rent in dollar	
	payment_date	timestamp	date and hour of the payment	

3. DIMENSION TABLES

ACTOR

KEY	Columns	Data Type	Description	Links
PK	actor_id	serial	identification number of the actor, autofilled	← film_actor
	first_name	varchar	First name of the actor	
	last_name	varchar	Last name of the actor	
	last_update	timestamp	date and hour of the last modification	

ADDRESS

KEY	Columns	Data Type	Description	Links
PK	address_id	serial	identification number of the address, autofilled	← customer ← Store ← staff
	address	varchar	number of the habitation and street name	
	address2	varchar	any complement, mostly null	
	district	varchar	name of the district/city	
FK	city_id	int2	key of the city	→ city
	postal_code	varchar	postal code of the district	
	phone	varchar	phone number linked to the address	
	last_update	timestamp	date and hour of the last modification	

CATEGORY

KEY	Columns	Data Type	Description	Links
PK	category_id	serial	identification number of the category, autofilled	← film_category
	name	varchar	name of the movie's category or genre	
	last_update	timestamp	date and hour of the last modification	

CITY





KEY	Columns	Data Type	Description	Links
PK	city_id	serial	identification number of the city, autofilled	← address
	city	varchar	city's name	
FK	country_id	int2	key of the country where the city is from	→ country
	last_update	timestamp	date and hour of the last modification	

COUNTRY




KEY	Columns	Data Type	Description	Links
PK	country_id	serial	identification number of the country, autofilled	← city
	country	varchar	Country's name	
	last_update	timestamp	date and hour of the last modification	



CUSTOMER

KEY	Columns	Data Type	Description	Links
PK	customer_id	serial	identification number of the customer, autofilled	 rental  payment
FK	store_id	int2	identification number of the store linked to the customer	 store
	first_name	varchar	customer's first name	
	last_name	varchar	customer's last name	
	email	varchar	customer's email address	
FK	address_id	int2	identification number of the address from the address table	 address
	activebool	bool	boolean true/false value if active or not	
	create_date	date	date of the customer's recording in the database	
	last_update	timestamp	date and hour of the last modification	
	active	int4	value of activity as 0 or 1	

FILM

KEY	Columns	Data Type	Description	Links
PK	film_id	serial	identification number of the film, autofilled	 film_actor  film_category  inventory
	title	varchar	film's title	
	description	text	short description of the film's synopsis	
	release_year	year	release date of the film	

	language_id	int2	identification number of the language from the language table	
	rental_duration	int2	number of hours of total rental of the movie	
	rental_rate	numeric	rating of the rentability of the movie	
	length	int2	films duration in minutes	
	replacement_cost	numeric	cost of the movie if not returned after the renting	
	rating	mpaa_rating	rating of the adviced audience's maturity	
	last_update	timestamp	date and hour of the last modification	
	special_features	text	content included in the dvd like trailers or commentaries	
	fulltext	tsvector	key words from the film's description	

FILM_ACTOR

KEY	Columns	Data Type	Description	Links
FK	actor_id	int2	actor's id from the actor table	→ actor
FK	film_id	int2	film's id from the film table where the actor has a role	→ film
	last_update	timestamp	date and hour of the last modification	

FILM_CATEGORY

KEY	Columns	Data Type	Description	Links
FK	film_id	int2	film's id from the film table	→ film
FK	category_id	int2	category'id from the category table	→ category
	last_update	timestamp	date and hour of the last modification	

INVENTORY

KEY	Columns	Data Type	Description	Links
PK	inventory_id	serial	identification number of the inventory, autofilled	↔ rental
FK	film_id	int2	film's id from the film table	→ film
FK	store_id	int2	store's id from the store table	→ store
	last_update	timestamp	date and hour of the last modification	

LANGUAGE

KEY	Columns	Data Type	Description	Links
PK	language_id	serial	identification number of the language, autofilled	↔ film
	name	bpchar	corresponding language in full text	
	last_update	timestamp	date and hour of the last modification	

STAFF

KEY	Columns	Data Type	Description	Links
PK	staff_id	serial	identification number of the staff member, autofilled	↔ rental ↔ payment ↔ store
	first_name	varchar	first name of the staff member	
	last_name	varchar	last name of the staff member	
FK	address_id	int2	address'id from the address table	→ address
	email	varchar	email address of the staff	

FK	store_id	int2	store id where the staff member works	➡ store
	active	bool	boolean value as true or false if the employe is active	
	username	varchar	staff's username in the rental software	
	password	varchar	staff's password in the rental software	
	last_update	timestamp	date and hour of the last modification	
	picture	bytea	picture of the staff member in binary bytes	

STORE

KEY	Columns	Data Type	Description	Links
PK	store_id	serial	identification number of the store, autofilled	← inventory ← staff
FK	manager_staff_id	int2	staff's id from the staff table	➡ staff
FK	address_id	int2	address' id from the address table	➡ address
	last_update	timestamp	date and hour of the last modification	

APPENDIX

PK	Primary Key
FK	Foreign Key
➡	Links to
←	Links from

