12/7/2021

Rockbuster Stealth LLC

Data Dictionary

Prepared by:

Jay Haygood

Table of Contents

1. Legend

🔑	Primary key
🔑	Foreign key
🔑	Composite key
↘	Linked primary from foreign
↗	Linked foreign to primary
↔	Linked via primary x2

2. Entity Relationship Diagram (ERD)
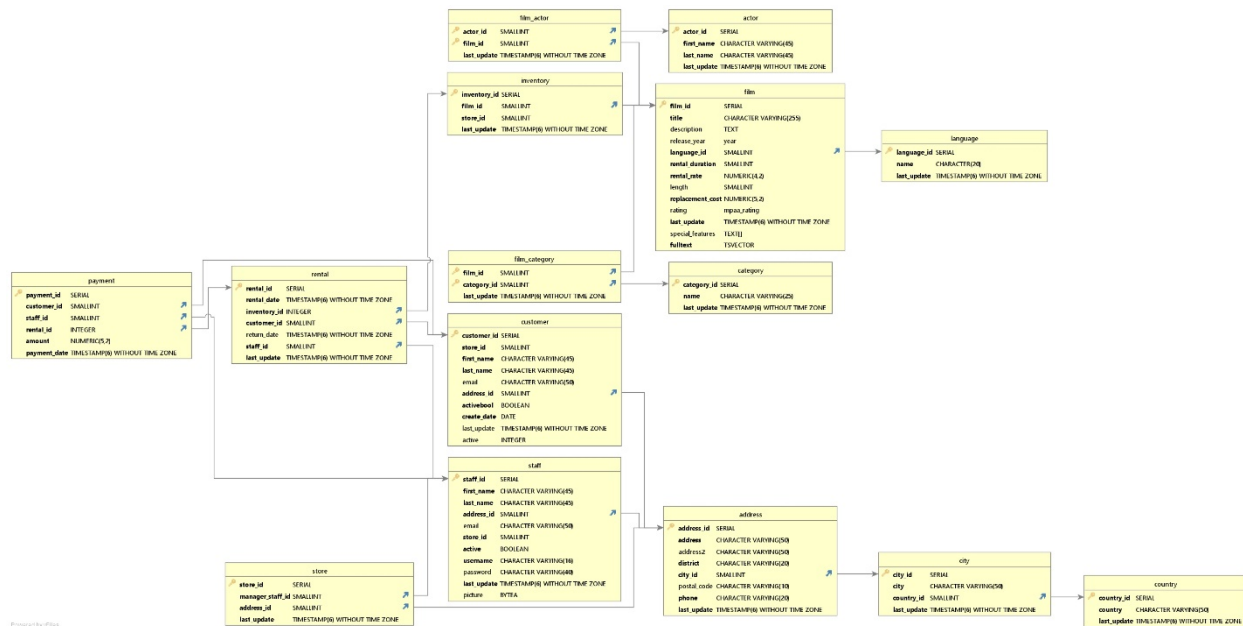
3. Fact Tables

3.1 payment

Key	Columns	Data Type	Description
🔑	payment_id	serial	Numeric entry - system generated
🔑	customer_id	int2	Numeric customer # for payment
🔑	staff_id	int2	Numeric staff # for payment
🔑	rental_id	int4	Numeric rental # for payment
	amount	numeric	Total of payment
	payment_date	timestamp	Date of payment

Linked to:

Key	Table	Join
✎	customer	payment.customer_id = customer.customer_id
✎	staff	payment.staff_id = staff.staff_id
✎	rental	payment.rental_id = rental.rental_id

3.2 store

Key	Columns	Data Type	Description
🔑	store_id	serial	Numeric entry - system generated
🔑	manager_staff_id	int2	Numeric staff # for store
🔑	address_id	int2	Numeric address # for store
	last_update	timestamp	Date of most recent update

Linked to:

Key	Table	Join
✎	staff	store.manager_staff_id = staff.staff_id
✎	address	store.address_id = address.address_id

3.3 film_actor

Key	Columns	Data Type	Description
0→	actor_id	int2	Numeric actor # for entry
0→	film_id	int2	Numeric film # for entry
	last_update	timestamp	Date of most recent update

Linked with:

Key	Table	Join
↔	actor	film_actor.actor_id = actor.actor_id
↔	film	film_actor.film_id = film.film_id

3.4 film_category

| Key	Columns	Data Type	Description
0→	film_id	int2	Numeric entry - system generated
0→	category_id	int2	Numeric category # of film
	last_update	timestamp	Date of most recent update

Linked with:

Key	Table	Join
↔	film	film_category.film_id = film.film_id
↔	caregory	film_category.category_id = category.category_id

4. Dimension Tables

4.1 rental

Key	Columns	Data Type	Description
0→	rental_id	serial	Numeric entry - system generated
	rental_date	timestamp	Open date for rental
0→	inventory_id	int4	Numeric inventory # for rental
0→	customer_id	int2	Numeric customer # for rental
	return_date	timestamp	Close date for rental
0→	staff_id	int2	Numeric staff # for rental
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
✎	payment	payment.rental_id = rental.rental_id

Linked to:

Key	Table	Join
✎	inventory	rental.inventory.id = inventory.inventory_id
✎	customer	rental.customer_id = customer.customer_id
✎	staff	rental.staff_id = staff.staff_id

4.2 inventory

Key	Columns	Data Type	Description
0→	inventory_id	serial	Numeric entry - system generated
0→	film_id	int2	Numeric film # for inventory
	store_id	int2	Numeric store # for inventory
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
✎	rental	rental.inventory_id = inventory.inventory_id

Linked to:

Key	Table	Join
✎	film	inventory.film_id = film.film_id

4.3 customer

Key	Columns	Data Type	Description
🔑	customer_id	serial	Numeric entry - system generated
	store_id	int2	Numeric store # of customer
	first_name	varchar	First name of customer
	last_name	varchar	Last name of customer
	email	varchar	Customer's email address
🔑	address_id	int2	Numeric address # of customer
	activebool	bool	Shows only active customers (t/f?)
	create_date	date	Date account was created
	last_update	timestamp	Date of most recent update
	active	int4	Customer status (1/0)

Linked from:

Key	Table	Join
↘	payment	payment.customer_id = customer.customer_id
↘	rental	rental.customer_id = customer. customer_id

Linked to:

Key	Table	Join
↗	address	customer.address_id = address.address_id

4.4 staff

Key	Columns	Data Type	Description
🔑	staff_id	serial	Numeric entry - system generated
	first_name	varchar	Staff member's first name
	last_name	varchar	Staff member's last name
🔑	address_id	int2	Numeric address # of member
	email	varchar	Staff member's email address
	store_id	int2	Numeric store # of member
	active	bool	Member status (t/f)
	username	varchar	Staff member's user name
	password	varchar	Staff member's password
	last_update	timestamp	Date of most recent update
	picture	bytea	Null

Linked from:

Key	Table	Join
↘	rental	rental.staff_id = staff.staff_id
↘	payment	payment.staff_id = staff.staff_id
↘	store	store.manager_staff_id = staff.staff_id

Linked to:

Key	Table	Join
↗	address	staff.address_id = address.address_id

4.5 actor

Key	Columns	Data Type	Description
🔑	actor_id	serial	Numeric entry - system generated
	first_name	varchar	Actor's first name
	last_name	varchar	Actor's last name
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
↘	film_actor	film_actor.actor_id = actor.actor_id

4.6 film

| Key	Columns	Data Type	Description
🔑	film_id	serial	Numeric entry - system generated
	title	varchar	Name of film
	description	text	Synopsis of film
	release_year	year	Year of film release
🔑	language_id	int2	Numeric language # of film
	rental_duration	int2	Days of rental
	rental_rate	numeric	Cost of rental
	length	int2	Running time in minutes
	replacement_cost	numeric	Retail price of film
	rating	mpaa_rating	Film rating
	last_update	timestamp	Date of most recent update
	special_features	_text	Available extras with film
	fulltext	tsvector	Keywords for search criteria~?

Linked from:

Key	Table	Join
↘	film_actor	film_actor.film_id = film.film_id
↘	inventory	inventory.film_id = film.film_id
↘	film_category	film_category.film_id = film.film_id

Linked to:

Key	Table	Join
✎	language	film.language_id = language.language_id

4.7 category

Key	Columns	Data Type	Description
🔑	category_id	serial	Numeric entry - system generated
	name	varchar	Film genre
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
↘	film_category	film_category.category_id = category.category_id

4.8 address

Key	Columns	Data Type	Description
🔑	address_id	serial	Numeric entry - system generated
	address	varchar	Street # and name
	address2	varchar	Null
	district	varchar	State or province
🔑	city_id	int2	Numeric city code
	postal_code	varchar	Zip code
	phone	varchar	Phone number
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
↘	customer	customer.address_id = address.adress_id
↘	staff	staff.address_id = address.address_id
↘	store	store.address_id = address.address_id

Linked to:

Key	Table	Join
✎	city	address.city_id = city.city_id

4.9 language

Key	Columns	Data Type	Description
🔑	language_id	serial	Numeric - system generated
	name	bpchar	Name of language
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
↘	film	film.language_id = language.language_id

4.10 city

Key	Columns	Data Type	Description
🔑	city_id	serial	numeric - system generated
	city	varchar	Name of city
🔑	country_id	int2	Numeric country code
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
↘	address	address.city_id = city.city_id

Linked to:

Key	Table	Join
↗	country	city.country_id = country.country_id

4.11 country

Key	Columns	Data Type	Description
🔑	country_id	serial	Numeric - system generated
	country	varchar	Name of country
	last_update	timestamp	Date of most recent update

Linked from:

Key	Table	Join
↘	city	city.country_id = country.country_id