

Rockbuster Stealth

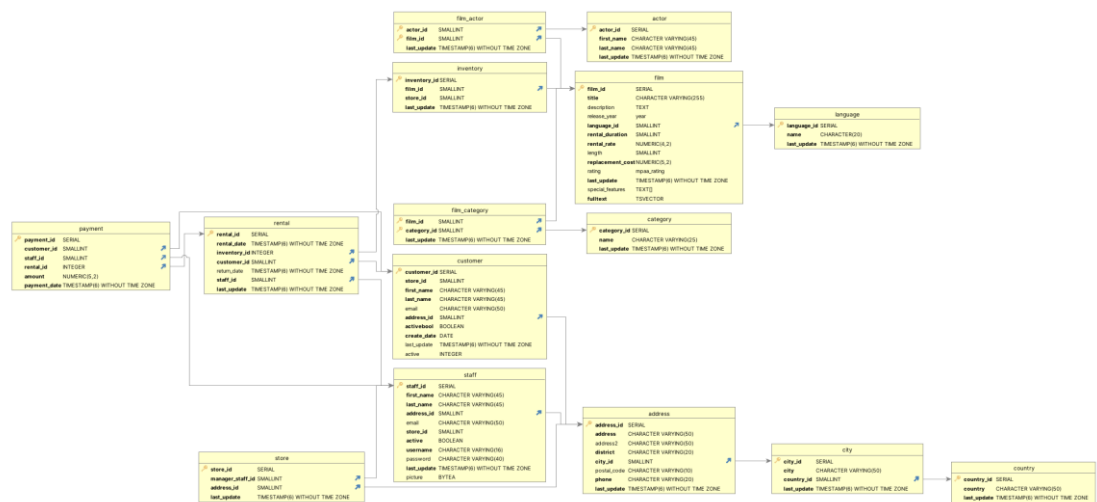
Data Dictionary

Yuna Tomogae
November 2023

Contents

1	Data Storage & Structure (ERD)	3
2	Legend	3
3	Fact Table	4
3.1	Rental	4
3.2	Payment	4
4	Dimension Table	5
4.1	Inventory	5
4.2	Customer	6
4.3	Staff	7
4.4	Film	8
4.5	Film_actor	9
4.6	Film_category	9
4.7	Store	10
4.8	Actor	10
4.9	Category	11
4.10	Language	11
4.11	Address	11
4.12	City	12
4.13	Country	13

1 Data Storage & Structure (ERD)







2 Legend

	Primary key
	Foreign key

3 Fact Table

3.1 Rental

Columns

Name		Data Type	Description
	rental_id	SERIAL	Unique identifier assigned to each rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the movie is rented
	inventory_id	INTEGER	Unique identifier assigned to each inventory
	customer_id	SMALLINT	Unique identifier assigned to each customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the movie is returned
	staff_id	SMALLINT	Unique identifier assigned to each staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links to

Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id





Links from

Table	Join
payment	payment.rental_id = rental.rental_id

3.2 Payment

Columns

Name	Data Type	Description
------	-----------	-------------

	payment_id	SERIAL	Unique identifier assigned to each payment
	customer_id	SMALLINT	Unique identifier assigned to each customer
	staff_id	SMALLINT	Unique identifier assigned to each staff
	rental_id	INTEGER	Unique identifier assigned to each rental
	amount	NUMERIC(5,2)	The total amount of each payment
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the payment is made




Links to

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

4 Dimension Table

4.1 Inventory

Columns

	Name	Data Type	Description
	inventory_id	SERIAL	Unique identifier assigned to each inventory
	film_id	SMALLINT	Unique identifier assigned to each film
	store_id	SMALLINT	Unique identifier assigned to each store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links to

Table	Join
-------	------




film	inventory.film_id = film.film_id
------	----------------------------------

Links from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

4.2 Customer

Columns

	Name	Data Type	Description
	customer_id	SERIAL	Unique identifier assigned to each customer
	store_id	SMALLINT	Unique identifier assigned to each store
	first_name	CHARACTER VARYING(45)	First name of the customer
	last_name	CHARACTER VARYING(45)	Last name of the customer
	email	CHARACTER VARYING(50)	Email of the customer
	address_id	SMALLINT	Unique identifier assigned to each address
	activebool	BOOLEAN	Indicator of if the customer is still active (True or False)
	create_date	DATE	Date and time when this record is first created
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated
	active	INTEGER	Indicator of if the customer is still active (1 or 0)

Links to




Table	Join
address	customer.address_id = address.address_id

Links from

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

4.3 Staff

Columns

	Name	Data Type	Description
	staff_id	SERIAL	Unique identifier assigned to each staff
	first_name	CHARACTER VARYING(45)	First name of the staff
	last_name	CHARACTER VARYING(45)	Last name of the staff
	address_id	SMALLINT	Unique identifier assigned to each address
	email	CHARACTER VARYING(50)	Email address of the staff
	store_id	SMALLINT	Unique identifier assigned to each store
	active	BOOLEAN	Indicator of if the staff is still active (True or False)
	username	CHARACTER VARYING(16)	Username of the staff
	password	CHARACTER VARYING(40)	Password of the staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated
	picture	BYTEA	Picture of the staff

Links to



Table	Join
address	address.address_id = staff.address_id

Links from

Table	Join
rental	rental.staff_id = staff.staff_id
payment	payment.staff_id = staff.staff_id
store	store.staff_id = staff.staff_id

4.4 Film

Columns

Name		Data Type	Description
	film_id	SERIAL	Unique identifier assigned to each film
	title	CHARACTER VARYING(255)	Title of the film
	description	TEXT	Description of the film
	release_year	Year	The year when the film is released
	language_id	SMALLINT	Unique identifier assigned to each language
	rental_duration	SMALLINT	The number of days the movie was rented for.
	rental_rate	NUMERIC(4,2)	The price the film is rented for.
	length	SMALLINT	The length of each film in minutes.
	replacement_cost	NUMERIC(5,2)	The price to replace the film.
	rating	Mpaa_rating	The rating of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated
	special_features	TEXT[]	The special features included with each film.
	fulltext	TSVECTOR	Keywords linked to each film that a customer may use when searching for films

Links to

Table	Join
language	film.language_id = language.language_id



Links from

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

4.5 Film_actor

Columns



Name		Data Type	Description
	actor_id	SMALLINT	Unique identifier assigned to each actor
	film_id	SMALLINT	Unique identifier assigned to each film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links to

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

4.6 Film_category

Columns



Name		Data Type	Description
	film_id	SMALLINT	Unique identifier assigned to each film
	category_id	SMALLINT	Unique identifier assigned to each film category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links to

Table	Join
category	film_category.category_id = category.category_id
film	film_category.film_id = film.film_id

4.7 Store

Columns


Name		Data Type	Description
	store_id	SERIAL	Unique identifier assigned to each store
	manager_staff_id	SMALLINT	Unique identifier assigned to each manager at each store
	address_id	SMALLINT	Unique identifier assigned to each address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links to

Table	Join
Staff	Store.staff_id = staff.staff_id
address	Store.address_id = address.address_id

4.8 Actor

Columns


Name		Data Type	Description
	actor_id	SERIAL	Unique identifier assigned to each actor
	first_name	CHARACTER VARYING(45)	First name of the actor
	last_name	CHARACTER VARYING(45)	Last name of the actor
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

4.9 Category

Columns


Name		Data Type	Description
	category_id	SERIAL	Unique identifier assigned to each film category
	name	CHARACTER VARYING(25)	The name of the film category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links from

Table	Join
film_category	film_category.category_id = category.category_id

4.10 Language

Columns


Name		Data Type	Description
	language_id	SERIAL	Unique identifier assigned to each language
	name	CHARACTER(20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated


Links from

Table	Join
film	film.language_id = language.language_id

4.11 Address

Columns

Name		Data Type	Description
	address_id	SERIAL	Unique identifier assigned to each address
	address	CHARACTER	Street address

		VARYING(50)	
	address2	CHARACTER VARYING(50)	Remaining part of the address
	district	CHARACTER VARYING(20)	State, province
	city_id	SMALLINT	Unique identifier assigned to each city
	postal_code	CHARACTER VARYING(10)	Postal code of the address
	phone	CHARACTER VARYING(20)	Phone number for each address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links to



Table	Join
city	address.city_id = city.city_id

Links from

Table	Join
Customer	Customer.address_id = address.address_id
Staff	staff.address_id = address.address_id
store	store.address_id = address.address_id

4.12 City

Columns

	Name	Data Type	Description
	city_id	SERIAL	Unique identifier assigned to each city
	city	CHARACTER VARYING(50)	Name of the city
	country_id	SMALLINT	Unique identifier assigned to each country
	last_update	TIMESTAMP(6) WITHOUT	Date and time when this record is

		TIME ZONE	last updated
--	--	-----------	--------------

Links to


Table	Join
country	city.country_id = country.country_id

Links from

Table	Join
address	address.city_id = city.city_id

4.13 Country

Columns

	Name	Data Type	Description
	country_id	SERIAL	Unique identifier assigned to each country
	country	CHARACTER VARYING(50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when this record is last updated

Links from

Table	Join
city	city.country_id = country.country_id