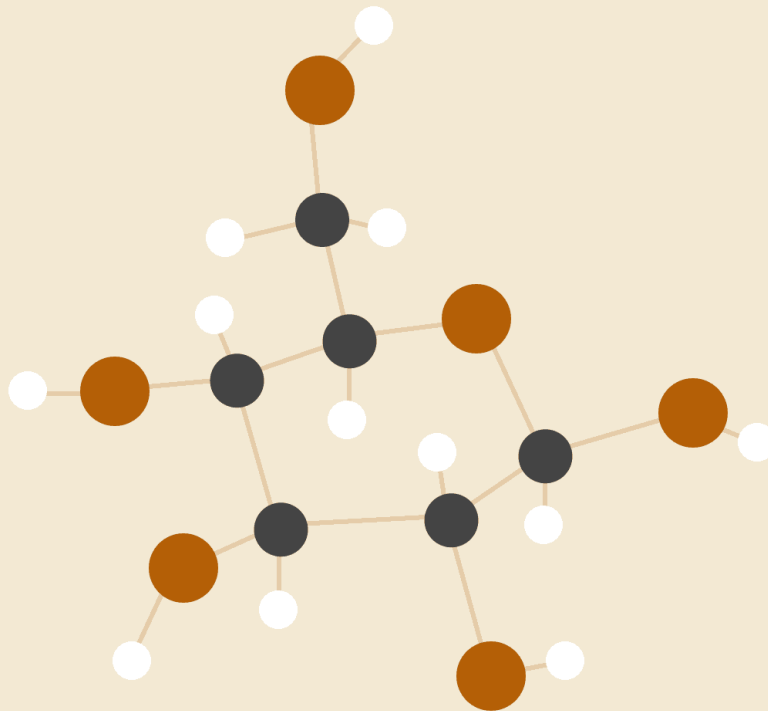


Data Dictionary

Rockbuster Stealth LLC



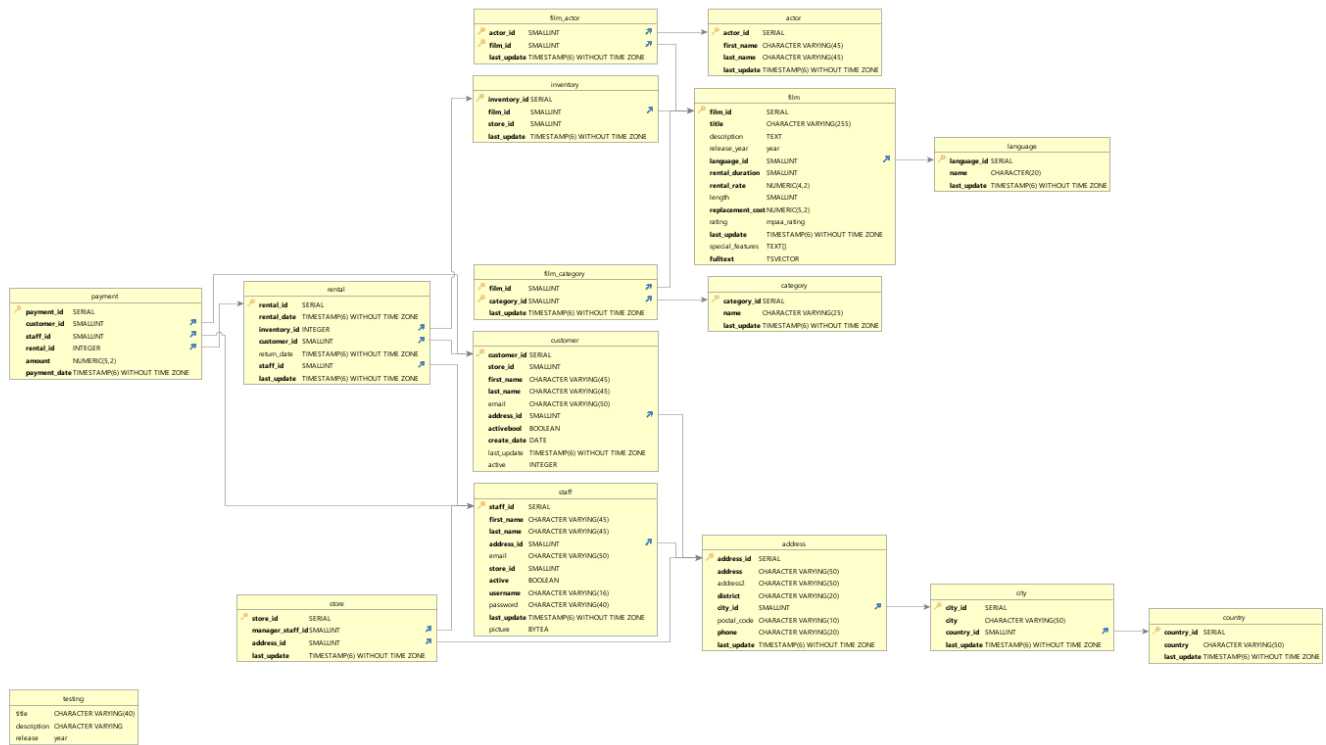
Kayleigh Dougherty

03.07.2023

Table of Contents

Entity Relationship Diagram (ERD)	pg 2
Legend	pg 2
Fact Table	pg 3
Dimensions Table	pg 4
Rental	pg 4
Store	pg 4
Film Actor	pg 5
Inventory	pg 5
Film Category	pg 6
Customer	pg 7
Staff	pg 7
Actor	pg 8
Film	pg 9
Category	pg 10
Address	pg 10
Language	pg 11
City	pg 11
Country	pg 12

Entity Relationship Diagram (ERD)



Legend




Primary Key



Unique Key

Fact Table

Payment


Key	Column	Data Type	Description
	Payment_id	serial	Unique identifier for payment
	customer_id	smallint	Unique identifier for customer
	staff_id	smallint	Unique identifier for staff
	rental_id	integer	Unique identifier for rental
	amount	Numeric(5,2)	Amount in numerical value
	payment_date	Timestamp(6) W/O Time Zone	Payment date and time, timestamped w/o time zone

Links to

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

Dimensions Table

Rental

Key	Rental_id	Serial	Unique identifier for rental
	Rental_date	Timestamp(6) w/o Time zone	Rental date and time, timestamped w/o time zone
	Inventory_id	integer	Unique identifier for inventory
	Customer_Id	smallint	Unique identifier for customer
	return_date	Timestamp(6) w/o time zone	Return date and time, timestamped w/o time zone
	staff_id	smallint	Unique identifier for staff
	last_update	Timestamp w/o time zone	Last update with timestamp w/o time zone


Links to

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

Linked from

Table	Join
payment	rental.rental_id=payment.ental_id



Store

Key	Column	Data Type	Description
	store_id	serial	Unique identifier for store
	manager_staff_id	smallint	Unique identifier for manager staff
	address_id	smallint	Unique identifier for address
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links to

Table	Join
address	rental.customer_id=customer.customer_id
staff	store.staff_id=staff.staff_id


Film Actor

Key	Column	Data Type	Description
	actor_id	smallint	Unique identifier for actor
	film_id	smallint	Unique identifier for film
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links to

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

Inventory

Key	Column	Data Type	Description
	inventory_id	serial	Unique identifier for inventory
	film_id	smallint	Unique identifier for film
	store_id	smallint	Unique identifier for store
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone



Links to

Table	Join
film	inventory.film_id=film.film_id

Linked from

Table	Join
rental	inventory.inventory_id= rental.inventory_id


Film Category

Key	Column	Data Type	Description
	film_id	smallint	Unique identifier for film
	category_id	smallint	Unique identifier for category
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Links to

Table	Join
film	film_category.category_id= category.category_id

Customer

Key	Column	Data Type	Description
	customer_id	serial	Unique identifier for customer
	store_id	smallint	Unique identifier for store
	first_name	Character varying(45)	First name of customer
	last_name	Character varying(45)	Last name of customer
	email	Character varying(45)	Email of customer
	address_id	smallint	Unique identifier for address
	activebool	boolean	Status of whether the customer is active or not
	create_date	Date	Date of when customer was created in the system
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
	active	integer	number


Links to

Table	Join
address	customer.address_id=address.address_id

Linked From

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

Staff

Key	Column	Data Type	Description
	staff_id	Serial	Unique identifier of staff
	first_name	Character varying(45)	First name of staff
	Last_name	Character varying(45)	Last name of staff

	address_id	smallint	Unique identifier for address
	email	Character varying(45)	Email for staff
	store_id	smallint	Unique identifier for store
	active	Boolean	Status of whether staff is employed or not
	Username	Character varying(16)	Staff member's username
	password	Character varying(40)	Staff member's password
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
	picture	Bytea	Picture of staff


Links to

Table	Join
address	staff.address_id=address.address_id

Linked from

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

Actor

Key	Column	Data Type	Description
	actor_id	serial	Unique identifier for actor
	first_name	Character varying(45)	First name of actor
	Last_name	Character varying(45)	Last name of actor
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Linked from

Table	Join
film_actor	actor.actor_id=film_actor_id

Film

Key	Column	Data Type	Description
	film_id	serial	Unique identifier for film
	title	Character varying(255)	Title of film
	description	text	Description of film
	release_year	year	Year film was released
	language_id	smallint	Unique identifier for language
	rental_duration	smallint	Duration of rental
	rental_rate	numeric(4,2)	date/time when rental was made
	length	smallint	Length of film
	replacement_cost	numeric(5,2)	Cost of replacing film
	rating	mpaa_rating	Rating of film
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
	Special features	text[]	Special features of film
	fulltext	TSVECTOR	Index type, full text index

Links to


Table	Join
language	film.language_id=language.language_id

Linked From

Table	Join
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film_actor	film.film_id=film_actor.film_id
inventory	staff.staff_id=payment.staff_id
film_category	film.film_id=film_category.film_id


Category

Key	Column	Data Type	Description
	category_id	serial	Unique identifier for category
	name	Character varying(25)	Name of category
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Linked From

Table	Join
film_category	category.category_id=film_category.category_id

Address

Key	Column	Data Type	Description
	address_id	serial	Unique identifier for address
	address	Character varying(50)	First line of address
	address2	Character varying(50)	Second line of address
	district	Character varying(20)	Region of address
	city_id	smallint	Unique identifier for city
	postal_code	Character varying(10)	Postal code for address
	phone	Character varying(20)	Phone number for address
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone


Links to

Table	Join
city	address.city_id=city.city_id

Linked From

Table	Join
customer	address.address_id=customer.address_id
staff	address.address_id=staff.address_id
store	address.address_id=store.address_id


Language

Key	Column	Data Type	Description
	language_id	serial	Unique identifier for language
	name	character(20)	Name of language
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Linked From

Table	Join
film	language.language_id=film.language_id

City

Key	Column	Data Type	Description
	city_id	serial	Unique identifier for city
	city	Character varying(50)	Name of city
	country_id	smallint	Unique identifier for country

	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone
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Links to

Table	Join
payment	staff.staff_id=payment.staff_id

Linked From

Table	Join
address	city.city_id=address.city_id

Country

Key	Column	Data Type	Description
	city_id	serial	Unique identifier for city
	city	Character varying(50)	Name of city
	country_id	smallint	Unique identifier for country
	last_update	Timestamp(6) w/o time zone	Last update with timestamp w/o time zone

Linked From

Table	Join
city	country.country_id=city.country_id