Data Dictionary

Rockbuster Stealth

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November 2023

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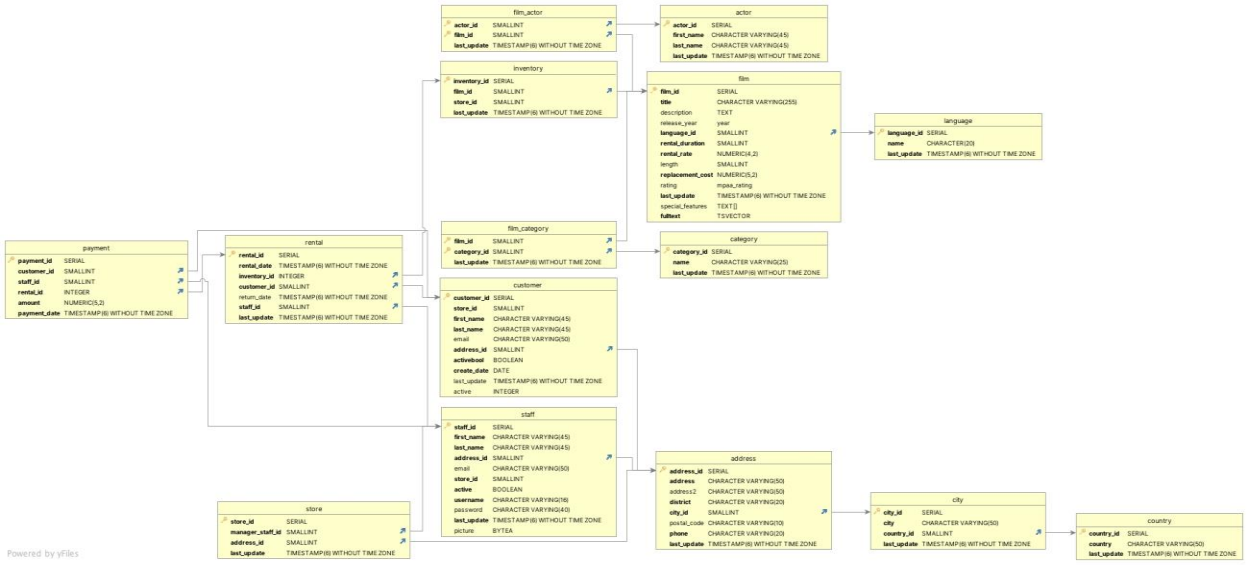

Fact Tables

Rental

Key	Column	Data Type	Description
Primary Key	rental_id	SERIAL	This is a unique identifier for each rental
	rental_date	TIMESTAMP	This is the time when the rental was checked out
Foreign Key	inventory_id	INTEGER	This number represents the item in the inventory
Foreign Key	customer_id	SMALLINT	This is the specific customer
	return_date	TIMESTAMP	This is the time the rental was returned
Foreign Key	staff_id	SMALLINT	This is an identifier for the staff member

	last_update	TIMESTAMP	This number represents the last time a record was updated in this table

Links to inventory via rental.inventory_id = inventory.inventory_id

Links to customer via rental.customer_id = customer.customer_id

Links to staff via rental.staff_id = staff.staff_id

Links from payment via rental.rental_id = payment.rental_id

Payment

Key	Column	Data Type	Description
Primary Key	payment_id	SERIAL	This identifier specifies the particular payment
Foreign Key	customer_id	SMALLINT	This identifier specifies the particular customer
Foreign Key	staff_id	SMALLINT	This number specifies the staff member
Foreign Key	rental_id	INTEGER	This number specifies the rental
	amount	NUMERIC(5,2)	This is the price the customer paid for the rental
	payment_date	TIMESTAMP	This is when the transaction happened

Links to customer via payment.customer_id = customer.customer_id

Links to staff via payment.staff_id = staff.staff_id

Links to rental via payment.rental_id = rental.rental_id

Dimension Tables

Store

Key	Column	Data Type	Description

Primary Key	store_id	SERIAL	This designates the particular store
Foreign Key	manager_staff_id	SMALLINT	This specifies the manager
Foreign Key	address_id	SMALLINT	This is the address of the store
	last_update	TIMESTAMP	This shows the last time the table was updated

Link to staff via store.manager_staff_id = staff.staff_id

Links to address via store.address_id = address.address_id

Links from staff via staff.store_id = store.store_id

Links from customer via customer.store_id = store.store_id

Links from inventory via inventory.store_id = store.store_id

Address

Key	Column	Data Type	Description
Primary Key	address_id	SERIAL	This number is given to identify each unique address entry
	address	CHARACTER VARYING(50)	The address can be from either the customer or the staff member
	address2	CHARACTER VARYING(50)	This is a spot for a secondary addresses
	district	CHARACTER VARYING(20)	This specifies the state or province of the address
Foreign Key	city_id	SMALLINT	This gives a number identifier to the city
	postal_code	CHARACTER VARYING(10)	This is the zip code
	phone	CHARACTER VARYING(20)	This is the customer or staff member's phone number
	last_update	TIMESTAMP	This shows the last time the table was updated

Links to city via address.city_id = city.city_id

Links from staff via staff.address_id = address.address_id

Links from customer via customer.address_id = address.address_id

Links from store via store.address_id = address.address_id

City

Key	Column	Data Type	Description
Primary Key	city_id	SERIAL	This is a unique identifier for the city entry
	city	CHARACTER VARYING(50)	This is the name of the city
Foreign Key	country_id	SMALLINT	This gives a numerical identity to the country that the city is located in
	last_update	TIMESTAMP	This shows the last time the table was updated

Links to country via city.country_id = country.country_id

Links from address via address.city_id = city.city_id

Country

Key	Column	Data Type	Description
Primary Key	country_id	SERIAL	This number represents a country
	country	CHARACTER VARYING(50)	This is the name of the country
	last_update	TIMESTAMP	This is the last time the table was updated

Links from city via city.country_id = country.country_id

Staff

Key	Column	Data Type	Description
Primary Key	staff_id	SERIAL	This number provides an identifier to the specific staff member
	first_name	CHARACTER VARYING(45)	This is the staff member's given name
	last_name	CHARACTER VARYING(45)	This is the staff member's surname
Foreign Key	address_id	SMALLINT	This is an address identifier that links to the address table
	email	CHARACTER VARYING(50)	This is the electronic mail address of the staff member
Foreign Key	store_id	SMALLINT	This is a store identifier that links to the store table
	active	BOOLEAN	This is a true or false value that denotes whether a staff member is currently still a staff member
	username	CHARACTER VARYING(16)	This is the person's username
	password	CHARACTER VARYING(40)	This is the person's password
	last_update	TIMESTAMP	This is the last time a record in the table was updated
	picture	BYTEA	This space is used to store a profile picture of the particular staff member

Links to address via staff.address_id = address.address_id

Links to store via staff.store_id = store.store_id

Links from store via manager_staff_id = staff.staff_id

Links from rental via rental.staff_id = staff.staff_id

Links from payment via payment.staff_id = staff.staff_id

Customer

Key	Column	Data Type	Description
Primary Key	customer_id	SERIAL	This number uniquely identifies the particular customer
Foreign Key	store_id	SMALLINT	This identifier links to the store table
	first_name	CHARACTER VARYING(45)	This is the given name of the customer
	last_name	CHARACTER VARYING(45)	This is the surname of the customer
	email	CHARACTER VARYING(50)	This is the customer's email address
Foreign Key	address_id	SMALLINT	This identifier links to the address table
	activebool	BOOLEAN	This denotes the active status of a customer
	create_date	DATE	This is the date the customer received a customer_id in the system
	last_update	TIMESTAMP	This shows the last time the table was updated
	active	INTEGER	This relates to a customer's active status

Links to store via customer.store_id = store.store_id

Links to address via customer.address_id = address.address_id

Links from payment via payment.customer_id = customer.customer_id

Links from rental via rental.customer_id = customer.customer_id

Film_category

Key	Column	Data Type	Description
Primary Key	film_id	SMALLINT	This is an identifier for the specific film

Foreign Key	category_id	SMALLINT	This is an identifier that links to the category table
	last_update	TIMESTAMP	This is the last time the table was updated

Links to film_id via film_category.film_id = film.film_id

Links to category via film_category.category_id = category.category_id

Category

Key	Column	Data Type	Description
Primary Key	category_id	SERIAL	This is a numeric identifier for the category
	name	CHARACTER VARYING	This is the name of the category
	last_update	TIMESTAMP	This is the last time this table was updated

Links to film_category via category.category_id = film_category.category_id

Inventory

Key	Column	Data Type	Description
Primary Key	inventory_id	SERIAL	This gives a numeric identifier to a specific inventory item
Foreign Key	film_id	SMALLINT	This denotes the specific film and links to another table
Foreign Key	store_id	SMALLINT	This corresponds to the specific store and links to the store table
	last_update	TIMESTAMP	This is the last time the table was updated

Links to film via inventory.film_id = film.film_id

Links to store via inventory.store_id = store.store_id

Links from rental via rental.inventory_id = inventory.inventory_id

Film_actor

Key	Column	Data Type	Description
Primary Key	actor_id	SMALLINT	This is an identifier corresponding to a specific actor
Foreign Key	film_id	SMALLINT	This is an identifier for the movie
	last_update	TIMESTAMP	This shows the last time the table was updated

Links to film via film.film_id = film_actor.film_id

Links to actor via actor.actor_id = film_actor.actor_id

Actor

Key	Column	Data Type	Description
Primary Key	actor_id	SERIAL	This is a unique identifier for the specific actor
	first_name	CHARACTER VARYING(45)	This is a space for the actor's given name
	last_name	CHARACTER VARYING(45)	This is the actor's surname
	last_update	TIMESTAMP	This shows the last time the table was updated

Links from film_actor via film_actor.actor_id = actor.actor_id

Film

Key	Column	Data Type	Description
Primary Key	film_id	SERIAL	This is a unique identifier and primary

			key for the table. It specifies a specific film
	title	CHARACTER VARYING(255)	This is the title of the film
	description	TEXT	This space summarizes the plot of the film
	release_year	YEAR	This is the year when the film was released
Foreign Key	language_id	SMALLINT	The is an identifier for the language of the movie
	rental_duration	SMALLINT	This is the amount of time the film can be rented for
	rental_rate	NUMERIC (4,2)	This is the price for renting this movie. It has 4 numbers and 2 after the decimal place
	length	SMALLINT	This is the duration of the film
	replacement_cost	NUMBERIC (5,2)	This is the cost to replace the film if it is lost or damaged. 5 numbers, 2 after the decimal
	rating	MPAA_RATING	This is the audience rating of the film
	last_update	TIMESTAMP	This is the last time the film table was updated
	special_features	TEXT	This specifies any special features of the film
	fulltext	TSVECTOR	This is a field used for search queries and contains certain word indexes

Links to language via film.language_id = language.language_id

Links from film_actor via film_actor.film_id = film.film_id

Links from inventory via inventory.film_id = film.film_id

Links from film_category via film_category.film_id = film.film_id

Language

Key	Column	Data Type	Description
Primary Key	language_id	SERIAL	This is an identifier for the specific language of the film
	name	CHARACTER (20)	This is the name of the language
	last_update	TIMESTAMP	This shows the last time this was updated

Links from film via film_language_id = language.language_id