Data Dictionary
Rockbuster Stealth LLC

February 24, 2023
Alex Paredes

Table of Contents

Entity Relationship Diagram (ERD)

Legend

🔑 Primary Key

🔑 Unique Key

Fact Table

Payment

	Column	Data Type	Description
Payment			
🔑	payment_id	SERIAL	Unique identifier for payment
	customer_id	SMALLINT	Unique identifier for each customer
	staff_id	SMALLINT	Unique identifier for staff
	rental_id	INTEGER	Unique identifier for each rental
	amount	NUMERIC(5,2)	Payment amount
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Payment date and time

Links to

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

Rental

	Column	Data Type	Description
Rental			
🔑	rental_id	SERIAL	Unique identifier for each rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Rental date and time
	inventory_id	INTEGER	Unique identifier for each inventory item
	customer_id	SMALLINT	Unique identifier for each customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Return date and time
	staff_id	SMALLINT	Unique identifier for staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

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

Linked from

Table	Join
payment	rental.rental_id = payment.rental_id

Dimension Table

Store

Store			
🔑	store_id	SERIAL	Unique identifier for each store
	manager_staff_id	SMALLINT	Unique identifier for each manager
	address_id	SMALLINT	Unique identifier for each address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

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

Film_actor

Film_actor			
🔑	actor_id	SMALLINT	Unique identifier for each actor
🔑	film_id	SMALLINT	Unique identifier for each film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

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

Inventory

🔑	inventory_id	SERIAL	Unique identifier for each inventory item
	film_id	SMALLINT	Unique identifier for each film
	store_id	SMALLINT	Unique identifier for each store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

Table	Join
film	inventory.film_id = film.film_id

Linked from

Table	Join
rental	inventory.inventory_id = rental.inventory_id

Film_category

🔑	film_id	SMALLINT	Unique identifier for each film
🔑	category_id	SMALLINT	Unique identifier for each category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

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

Customer

Customer			
🔑	customer_id	SERIAL	Unique identifier for each customer
	store_id	SMALLINT	Unique identifier for each store
	first_name	CHARACTER VARYING(45)	Customer's first name
	last_name	CHARACTER VARYING(45)	Customer's last name
	email	CHARACTER VARYING(50)	Customer's email address
	address_id	SMALLINT	Unique identifier for each address
	activebool	BOOLEAN	Unique identifier for activebool
	create_date	DATE	Unique identifier for creation date
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
	active	INTEGER	Unique identifier for active customer

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

Staff			
🔑	staff_id	SERIAL	Unique identifier for staff
	first_name	CHARACTER VARYING(45)	Unique identifier for staff's first name
	last_name	CHARACTER VARYING(45)	Unique identifier for staff's last name
	address_id	SMALLINT	Unique identifier for address
	email	CHARACTER VARYING(50)	Unique identifier for staff's email address
	store_id	SMALLINT	Unique identifier for each store
	active	BOOLEAN	Unique identifier for active employee
	username	CHARACTER VARYING(16)	Unique identifier for staff's username
	password	CHARACTER VARYING(40)	Unique identifier for staff's password
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
	picture	BYTEA	Unique identifier for picture

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.staff_id = store.staff_id

Actor

Actor			
🔑	actor_id	SERIAL	Unique identifier for each actor
	first_name	CHARACTER VARYING(45)	Unique identifier for actor's first name
	last_name	CHARACTER VARYING(45)	Unique identifier for actor's last name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from

Table	Join
film_actor	actor.actor_id = film_actor.actor_id

Film

Film			
🔑	film_id	SERIAL	Unique identifier for each film
	title	CHARACTER VARYING(255)	Title of film
	description	TEXT	Description of film
	release_year	year	Release year of film
	language_id	SMALLINT	Unique identifier for each language
	rental_duration	SMALLINT	The duration of the rental
	rental_rate	NUMERIC(4,2)	The rate of the rental
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC(5,2)	The cost of the film replacement
	rating	mpaa_rating	The rating of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
	special_features	TEXT[]	Special features of film
	fulltext	TSVECTOR	Unique identifier for fulltext

Links to

Table	Join
language	film.language_id = language.language_id

Linked from

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

Category

Category			
🔑	category_id	SERIAL	Unique identifier for each category
	name	CHARACTER VARYING(25)	Category name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from

Table	Join
film_category	category.category_id = film_category.category_id

Address

Address			
🔑	address_id	SERIAL	Unique identifier for each address
	address	CHARACTER VARYING (50)	The primary address
	address2	CHARACTER VARYING (50)	The secondary address
	district	CHARACTER VARYING (25)	Unique identifier for district
	city_id	SMALLINT	Unique identifier for each city
	postal_code	CHARACTER VARYING (10)	Unique identifier for postal code
	phone	CHARACTER VARYING (20)	Unique identifier for phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

Table	Join
city	address.city_id = city.city_id

Linked from

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

staff	address.address_id = staff.address_id

Language

Language			
🔑	language_id	SERIAL	Unique identifier for each language
	name	CHARACTER(20)	Language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from

Table	Join
film	language.language_id = film.language_id

City

City			
🔑	city_id	SERIAL	Unique identifier for each city
	city	CHARACTER VARYING(50)	Unique identifier for city
	country_id	SMALLINT	Unique identifier for each country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Links to

Table	Join
country	city.country_id = country.country_id

Linked from

Table	Join
address	city.city_id = address.city_id

Country

Country			
🔑	country_id	SERIAL	Unique identifier for each country
	country	CHARACTER VARYING(50)	Country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

Linked from

Table	Join
city	country.country_id = city.country_id