





DATA DICTIONARY


September 2022

 = Primary Key



 = Unique Key

Event Tables


payment		
Column	Data Type	Description
payment_id 	SERIAL	Unique identifier for payment
customer_id	SMALLINT	Identifier of customer who made payment
staff_id	SMALLINT	Identifier of staff who handled payment
rental_id	INTEGER	Identifier of video rental
amount	NUMERIC (5,2)	Payment amount
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment
Links to	Join	
customer	payment.customer_id = customer.customer_id	
staff	payment.staff_id = staff.staff_id	
rental	payment.rental_id = rental.rental_id	


rental		
Column	Data Type	Description
rental_id 	SERIAL	Unique identifier for rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
inventory_id	INTEGER	Identifier of rented inventory
customer_id	SMALLINT	Identifier of customer renting
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Due date for rental
staff_id	SMALLINT	Identifier of staff involved with rental
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
payment	rental.rental_id = payment.rental_id	
Links to	Join	
inventory	rental.inventory_id = inventory.inventory_id	
customer	rental.customer_id = customer.customer_id	
staff	rental.staff_id = staff.staff_id	


Fact Tables


film_actor		
Column	Data Type	Description
actor_id 	SMALLINT	Identifier for actor in movie
film_id 	SMALLINT	Identifier for film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links to	Join	
actor	film_actor.actor_id = actor.actor_id	
film	film_actor.film_id = film.film_id	

 = Primary Key


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actor		
Column	Data Type	Description
actor_id 	SERIAL	Unique identifier for actor in movie
first_name	CHARACTER VARYING(45)	Actor's first name
last_name	CHARACTER VARYING(45)	Actor's last name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
film_actor	actor.actor_id = film_actor.actor_id	


inventory		
Column	Data Type	Description
inventory_id 	SERIAL	Unique identifier of rented inventory
film_id	SMALLINT	Identifier for film
store_id	SMALLINT	Identifier for store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
rental	inventory.inventory_id = rental.inventory_id	
Links to	Join	
film	inventory.film_id = film.film_id	

film		
Column	Data Type	Description
film_id 	SERIAL	Unique identifier of film
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Description of film
release_year	YEAR	Film release year
language_id	SMALLINT	Identifier for film language
rental_duration	SMALLINT	Length of rental period (days)
rental_rate	NUMERIC(4,2)	Price of rental
length	SMALLINT	Length of movie (minutes)
replacement_cost	NUMERIC(5,2)	Cost to replace inventory
rating	MPAA_RATING	MPAA rating of movie
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
special_features	TEXT[]	Special features on DVD (i.e. trailers, behind-the-scenes)
fulltext	TSVECTOR	??? Keywords for text search?
Links from	Join	
film_actor	film.film_id = film_actor.film_id	
inventory	film.film_id = inventory.film_id	
film_category	film.film_id = film_category.id	
Links to	Join	
language	film.language_id = language.language_id	



 = Primary Key

 = Unique Key


language

Column	Data Type	Description
language_id 	SERIAL	Unique identifier for language
name	CHARACTER(20)	Name of film language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
film	language.language_id = film.language_id	


film_category

Column	Data Type	Description
film_id 	SMALLINT	Identifier for film
category_id 	SMALLINT	Identifier for film category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links to	Join	
film	film_category.film_id = film.film_id	
category	film_category.category_id = category.category_id	


category


Column	Data Type	Description
category_id 	SERIAL	Unique identifier for category
name	CHARACTER VARYING(25)	Name of film category/genre
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
film_category	film_category.category_id = category.category_id	


customer


Column	Data Type	Description
customer_id 	SERIAL	Unique identifier for customer
store_id	SMALLINT	Identifier for 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	Identifier for customer's address
activebool	BOOLEAN	Is customer an active subscriber?
create_date	DATE	Date customer record was created
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
active	INTEGER	??? (duplicate of activebool?)
Links from	Join	
payment	customer.customer_id = payment.customer_id	
rental	customer.customer_id = rental.customer_id	
Links to	Join	
address	customer.address_id = address.address_id	

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store		
Column	Data Type	Description
store_id 	SERIAL	Unique identifier for store
manager_staff_id	SMALLINT	Identifier for manager of store
address_id	SMALLINT	Identifier for store address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links to	Join	
staff	store.manager_staff_id = staff.staff_id	
address	store.address_id = address.address_id	


staff		
Column	Data Type	Description
staff_id 	SERIAL	Unique identifier for staff
first_name	CHARACTER VARYING(45)	Staff's first name
last_name	CHARACTER VARYING(45)	Staff's last name
address_id	SMALLINT	Identifier for staff's address
email	CHARACTER VARYING(50)	Staff's email address
store_id	SMALLINT	Identifier for store
active	BOOLEAN	Is staff member active?
username	CHARACTER VARYING(16)	Staff username
password	CHARACTER VARYING(40)	Staff password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
picture	BYTEA	Picture of staff
Links from	Join	
payment	staff.staff_id = payment.staff_id	
rental	staff.staff_id = rental.staff_id	
store	staff.staff_id = store.manager_staff_id	
Links to	Join	
address	staff.address_id = address.address_id	

address		
Column	Data Type	Description
address_id 	SERIAL	Unique identifier for address
address	CHARACTER VARYING(50)	Address line 1
address2	CHARACTER VARYING(50)	Address line 2
district	CHARACTER VARYING(20)	Address state/district
city_id	SMALLINT	Identifier for city
postal_code	CHARACTER VARYING(10)	ZIP or postal code
phone	CHARACTER VARYING(20)	Phone number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
store	address.address_id = store.address_id	
staff	address.address_id = staff.address_id	
customer	address.address_id = customer.address_id	
Links to	Join	
city	address.city_id = city.city_id	

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city		
Column	Data Type	Description
city_id 	SERIAL	Unique identifier for city
city	CHARACTER VARYING(50)	Name of city
country_id	SMALLINT	Identifier for country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
address	city.city_id = address.city_id	
Links to	Join	
country	city.country_id = country.country_id	

country		
Column	Data Type	Description
country_id 	SERIAL	Unique identifier for country
country	CHARACTER VARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	When record was last updated
Links from	Join	
city	country.country_id = city.country_id	