

Rockbuster Stealth LLC

Data Dictionary

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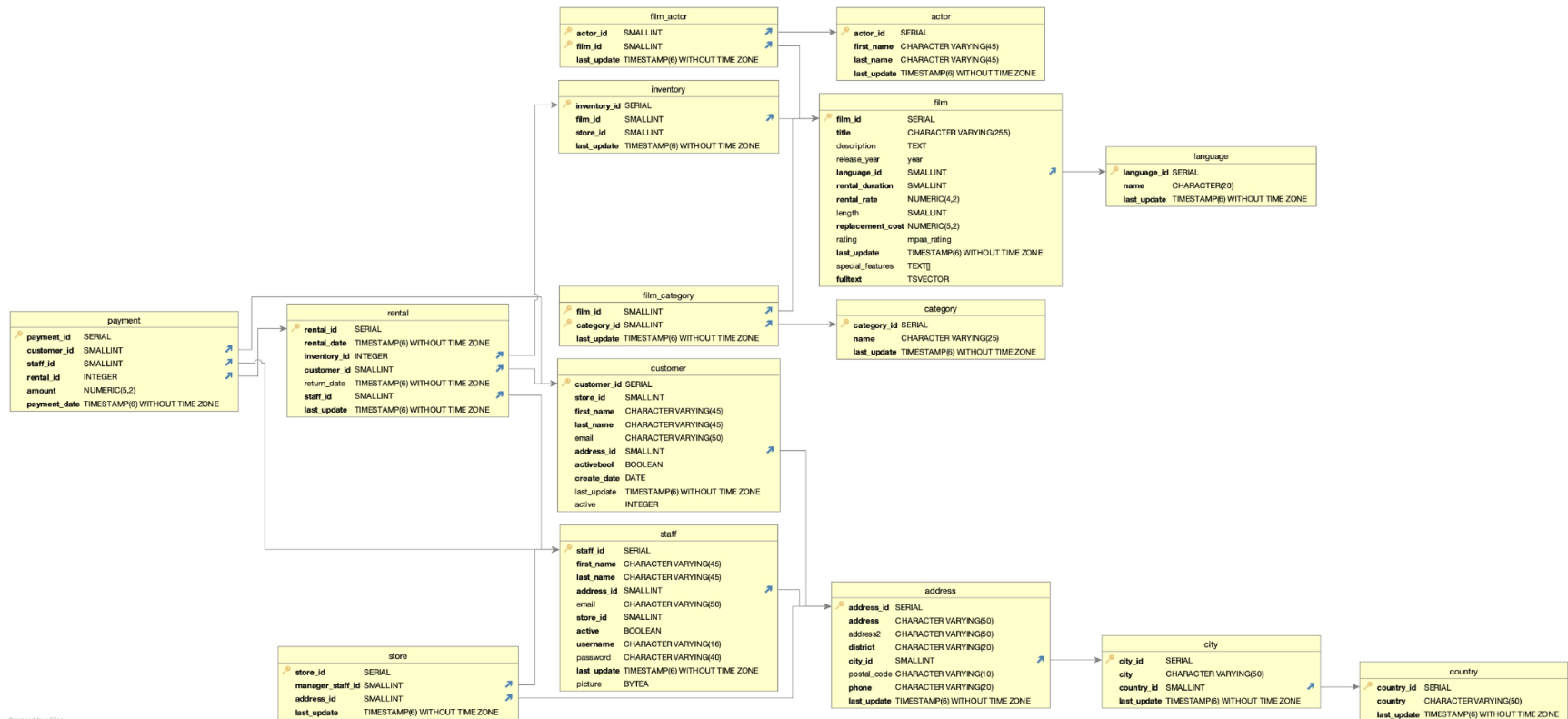
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Legend

Symbol	Name
★	Primary Key
→	Primary Key Relation (Incoming)
☆	Foreign Key
←	Foreign Key Relation (Outgoing)

Entity Relationship Diagram



Fact Tables

Payment

Table

Key	Name	Data Type	Description
★	payment_id	SERIAL	Unique number assigned to each payment table row
☆	customer_id	SMALLINT	Number assigned to a customer row
☆	staff_id	SMALLINT	Number assigned to a staff member row
☆	rental_id	INTEGER	Number assigned to a rental row
	amount	NUMERIC(5,2)	Payment amount for that rental
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the payment

Links With

Key	Table	Join
↵	Customer	Payment.customer_id = customer.customer_id
↵	Staff	Payment.staff_id = staff.staff_id
↵	Rental	Payment.rental_id = rental.rental_id

Dimension Tables

Rental

Table

Key	Name	Data Type	Description
★	rental_id	SERIAL	Unique number assigned to each rental table row
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
☆	inventory_id	INTEGER	Number assigned to an inventory row
☆	customer_id	SMALLINT	Number assigned to a customer row
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date rental is returned
☆	staff_id	SMALL INT	Number assigned to a staff member row
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	Payment	Rental.rental_id = payment.rental_id
←	Inventory	Rental.inventory_id = inventory.inventory_id
←	Customer	Rental.customer_id = customer.customer_id
←	Staff	Rental.staff_id = staff.staff_id

Inventory

Table

Key	Name	Data Type	Description
★	inventory_id	SERIAL	Unique number assigned to each inventory table row
☆	film_id	SMALLINT	Number assigned to a film row
☆	store_id	SMALLINT	Number assigned to a store row
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	Rental	Inventory.inventory_id = rental.inventory_id
↵	Film	Inventory.film_id = film.film_id
↵	Store	Inventory.store_id = store.store_id

Film

Table

Key	Name	Data Type	Description
★	film_id	SERIAL	Unique number assigned to each film table row
	title	CHARACTER VARYING(255)	Title of the film
	description	TEXT	Description of the film
	release_year	year	Year the film was released
☆	language_id	SMALLINT	Number assigned to a language row
	rental_duration	SMALLINT	The duration of the rental
	rental_rate	NUMERIC(4,2)	The rental rate of the film
	length	SMALLINT	The length of the film (in minutes)
	replacment_cost	NUMERIC(5,2)	The cost to replace the film
	rating	mpaa_rating	The rating from the mpaa
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated
	special_features	TEXT[]	Any special features on the film
	fulltext	TSVECTOR	Keywords associated to the film

Links With

Key	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
←	language	film.film_id = language.language_id

Film_actor

Table

Key	Name	Data Type	Description
★	actor_id	SMALLINT	Unique number assigned to each film_actor table row
☆	film_id	SMALLINT	Number assigned to a film row
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	actor	Film_actor.actor_id = actor.actor_id
←	film	Film_actor.film_id = film.film_id
←	inventory	Film_actor.film_id = inventory.film_id
←	film_category	Film_actor.film_id = film_category.film_id

Actor

Table

Key	Name	Data Type	Description
★	actor_id	SERIAL	Unique number assigned to each actor table row
	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 the row was last updated

Links With

Key	Table	Join
→	film_actor	Actor.actor_id = film_actor.actor_id

Language

Table

Key	Name	Data Types	Description
★	language_id	SERIAL	Unique number assigned to each language table row
	name	CHARACTER(20)	The name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	film	Language.language_id = film.language_id

Film_category

Table

Key	Name	Data Types	Description
☆	film_id	SMALLINT	Number assigned to a film row
☆	category_id	SMALLINT	Number assigned to a film category row
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
↔	film	Film_category.film_id = film.film_id
↔	inventory	film_category.film_id = inventory.film_id
↔	film_actor	film_category.film_id = film_actor.film_id
↔	category	Film_category.category_id = category.category_id

Category

Table

Key	Name	Data Type	Description
★	category_id	SERIAL	Unique number assigned to each category row
	name	CHARACTER VARYING(25)	The name of the category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	film_category	Category.category_id = film_category.category_id

Customer

Table

Key	Name	Data Type	Description
★	customer_id	SERIAL	Unique number assigned to each customer row
☆	store_id	SMALLINT	Number assigned to a store
	first_name	CHARACTER VARYING(45)	The first name of the customer
	last_name	CHARACTER VARYING(45)	The last name of the customer
	email	CHARACTER VARYING(45)	The email of the customer
☆	address_id	SMALLINT	Number assigned to an address row
	activebool	BOOLEAN	Boolean for if the customer is still active
	create_date	DATE	The date the customer was created in the database
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated
	active	INTEGER	Number that indicates if the customer is active

Links With

Key	Table	Join
→	rental	Customer.customer_id = rental.customer_id
←	store	Customer.store_id = store.store_id
←	address	Customer.address_id = address.address_id

Store

Table

Key	Name	Data Type	Description
★	store_id	SERIAL	Unique number assigned to each store row
☆	manager_staff_id	SMALLINT	Number assigned to a staff member row
☆	address_id	SMALLINT	Number assigned to an address row
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	customer	Store.store_id = customer.store_id
→	staff	Store.store_id = staff.store_id
←	staff	Store.manager_staff_id = staff.staff_id
←	address	Store.address_id = address.address_id

Staff

Table

Key	Name	Data Type	Description
★	staff_id	SERIAL	Unique number assigned to each staff table row
	first_name	CHARACTER VARYING(45)	The first name of the staff member
	last_name	CHARACTER VARYING(45)	The last name of the staff member
☆	address_id	SMALLINT	Number assigned to an address row
	email	CHARACTER VARYING(45)	The email of the staff member
☆	store_id	SMALLINT	Number assigned to a storerow
	active	BOOLEAN	Boolean for if the staff is active
	username	CHARACTER VARYING(16)	The username of the staff member
	password	CHARACTER VARYING(40)	The password of the staff member
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated
	picture	BYTEA	The picture of the staff member

Links With

Key	Table	Join
→	store	Staff.staff_id = store.manager_staff_id
←	store	Staff.store_id = store.store_id
←	address	Staff.address_id = address.address_id

Address

Table

Key	Name	Data Type	Description
★	address_id	SERIAL	Unique number assigned to each address table row
	address	CHARACTER VARYING(50)	The street address
	address2	CHARACTER VARYING(50)	Additional address information
	district	CHARACTER VARYING(50)	The district
☆	city_id	SMALLINT	Number assigned to a city row
	postal_code	CHARACTER VARYING(10)	The postal code
	phone	CHARACTER VARYING(20)	The phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	store	Address.address_id = store.address_id
→	customer	Address.address_id = customer.address_id
→	staff	Address.address_id = staff.address_id

←	city	Address.city_id = city.city_id
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City

Table

Key	Name	Data Type	Description
★	city_id	SERIAL	Unique number assigned to each city table row
	city	CHARACTER VARYING(50)	The name of the city
☆	country_id	SMALLINT	Number assigned to a country row
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	address	City.city_id = address.city_id
←	country	City.country_id = address.country_id

Country

Table

Key	Name	Data Type	Description
★	country_id	SERIAL	Unique number assigned to each country table row
	country	CHARACTER VARYING(50)	The name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated
☆	continent	smallint	Number assigned to continent row

Links With

Key	Table	Join
→	city	Country.country_id = city.country_id
←	continent	Country.continent_id = continent.continent_id

Continent

Table

Key	Name	Data Type	Description
★	continent_id	integer	Unique number assigned to each country table row
	continent	CHARACTER VARYING(50)	The name of the continent
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date the row was last updated

Links With

Key	Table	Join
→	country	Country.continent_id = continent.continent_id