DATA DICTIONARY

DATABASE

ROCKBUSTER STEALTH LCC

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ENTITY RELATIONSHIP DIAGRAM
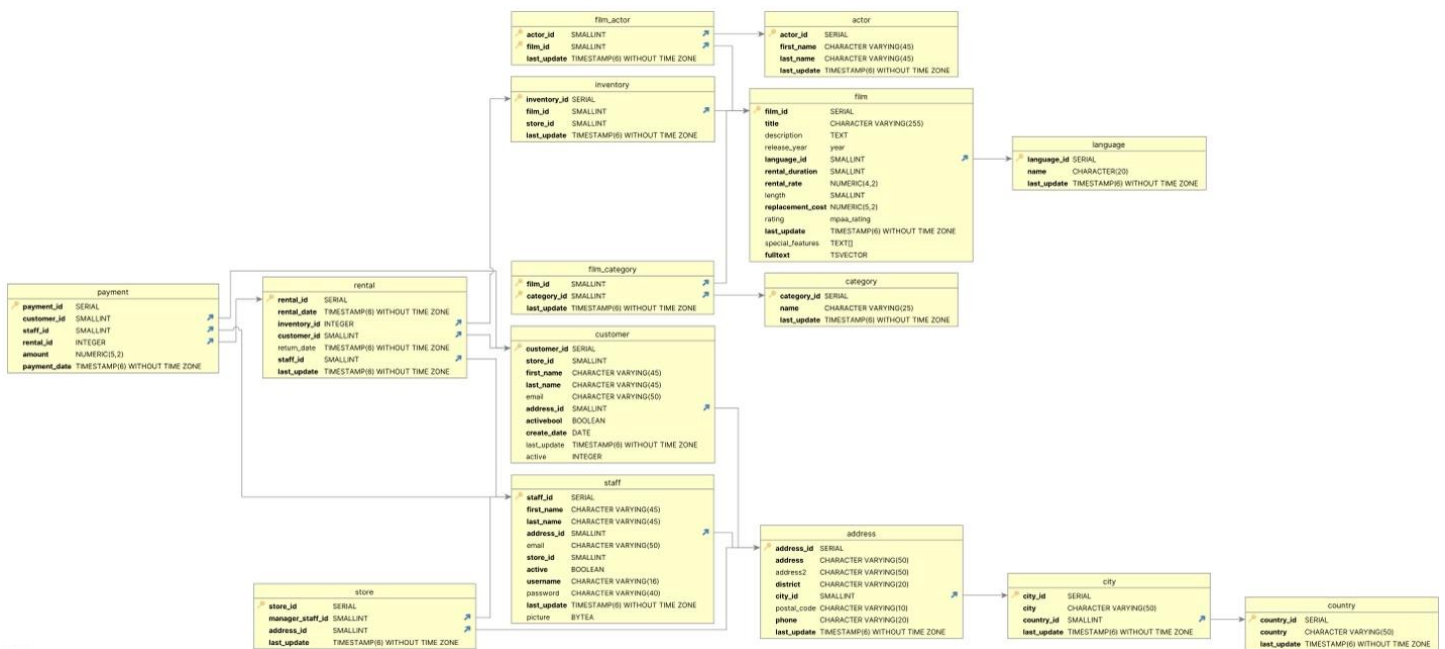
PK = PRIMARY KEY
FK = FOREIGN KEY

FACT TABLES

payment

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	payment_id	SERIAL	Unique payment identifier
FK	customer_id	SMALLINT	Unique customer identifier
FK	staff_id	SMALLINT	Unique staff member identifier
FK	rental_id	INTEGER	Unique rental identifier
	amount	NUMERIC(5,2)	Transaction amount
	payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of transaction

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

LINKED FROM

TABLE	JOIN
NA	NA

rental

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	rental_id	SERIAL	Unique rental identifier
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
FK	inventory_id	INTEGER	Unique inventory identifier
FK	customer_id	SMALLINT	Unique customer identifier
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of return
FK	staff_id	SMALLINT	Unique staff member identifier
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date 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 TABLES

film_actor

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	actor_id	SMALLINT	Unique actor identifier
PK	film_id	SMALLINT	Unique film identifier

	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = film.film_id

LINKED FROM

TABLE	JOIN
NA	NA

actor

COLUMNS	DATA TYPE	DESCRIPTION
actor_id	SERIAL	Unique actor identifier
first_name	CHARACTER VARYING(45)	First name of actor
last_name	CHARACTER VARYING(45)	Last name of actor
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
NA	NA

LINKED FROM

TABLE	JOIN
film_actor	actor.actor_id = film_actor.actor_id

inventory

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	inventory_id	SERIAL	Unique inventory identifier
FK	film_id	SMALLINT	Unique film identifier
	store_id	SMALLINT	Unique store identifier
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date 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

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	film_id	SERIAL	Unique film identifier
	title	CHARACTER VARYING(255)	Title of the film
	description	TEXT	Description of the film
	release_year	year	Year of release
FK	language_id	SMALLINT	Language of film
	rental_duration	SMALLINT	Duration of film rental
	rental_rate	NUMERIC(4,2)	Rate of film rental
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC(4,2)	Cost of film replacement
	rating	mpaa_rating	Film rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update
	special_features	TEXT[]	Features of film
	fulltext	TSVECTOR	Film index

LINKS TO

TABLE	JOIN
language	film.language_id = language.language_id

LINKED FROM

TABLE	JOIN
inventory	film.film_id = inventory.film_id

language

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	language_id	SERIAL	Unique language identifier
	name	CHARACTER	Name of language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
NA	NA

LINKED FROM

TABLE	JOIN
film	language.language_id = film.language_id

film_category

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	film_id	SERIAL	Unique film identifier
PK	category_id	SMALLINT	Unique category identifier
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
film	film_category.film_id = film.film_id
category	film_category..category_id = category.category_id

LINKED FROM

TABLE	JOIN
NA	NA

category

COLUMNS	DATA TYPE	DESCRIPTION
category_id	SERIAL	Unique category identifier
name	CHARACTER VARYING(255)	Name of category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
NA	NA

LINKED FROM

TABLE	JOIN
film_category	category.category_id = film_category.category_id

customer

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	customer_id	SERIAL	Unique customer identifier
	store_id	SMALLINT	Unique store identifier

	first_name	CHARACTER VARYING(45)	Customer first name
	last_name	CHARACTER VARYING(45)	Customer last name
	email	CHARACTER VARYING(50)	Customer email
FK	address_id	SMALLINT	Unique address identifier
	activebool	BOOLEAN	Active/inactive customer indicator
	create_date	DATE	Date of customer first created

LINKS TO

TABLE	JOIN
address	customer.address_id = address.address_id

LINKED FROM

TABLE	JOIN
rental	customer.customer_id = rental.customer_id

store

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	store_id	SERIAL	Unique store identifier
FK	manager_staff_id	SMALLINT	Unique staff manager identifier
FK	address_id	SMALLINT	Unique address identifier
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
staff	store.staff_id = staff.staff_id
address	store.address_id = address.address_id

LINKED FROM

TABLE	JOIN
NA	NA

staff

KEY	COLUMNS	DATA TYPE	DESCRIPTION

PK	staff_id	SERIAL	Unique staff member identifier
	first_name	CHARACTER VARYING(45)	First name of staff member
	last_name	CHARACTER VARYING(45)	Last name of staff member
FK	address_id	SMALLINT	Unique address identifier
	email	CHARACTER VARYING(50)	Staff member email
	store_id	SMALINT	Unique store identifier
	active	BOOLEAN	Active/Inactive staff member indicator
	username	CHARACTER VARYING(16)	Staff member user name
	password	CHARACTER VARYING(40)	Staff member password
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update
	picture	BYTEA	Staff member picture

LINKS TO

TABLE	JOIN
address	staff.address_id = address.address_id

LINKED FROM

TABLE	JOIN
payment	staff.staff_id = payment.staff_id

address

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	address_id	SERIAL	Unique address identifier
	address	CHARACTER VARYING(50)	Address first section
	address2	CHARACTER VARYING(50)	Address second section
	district	CHARACTER VARYING(20)	Address district
FK	city_id	SMALLINT	Unique city identifier
	postal_code	CHARACTER VARYING(10)	Address postal code

	phone	CHARACTER VARYING(20)	Address phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of last update.

LINKS TO

TABLE	JOIN
city	address.city_id = city.city_id

LINKED FROM

TABLE	JOIN
staff	address.address_id = staff.address_id
store	address.address_id = store.address_id

city

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	city_id	SERIAL	Unique city identifier
	city	CHARACTER VARYING(50)	City name
FK	country_id	SMALLINT	Unique country identifier
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date 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

KEY	COLUMNS	DATA TYPE	DESCRIPTION
PK	country_id	SERIAL	Unique country identifier
	country	CHARACTER VARYING(50)	Country name
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date of last update

LINKS TO

TABLE	JOIN
NA	NA

LINKED FROM

TABLE	JOIN
city	country.country_id = city.country_id