2023

RockBuster Stealth LCC
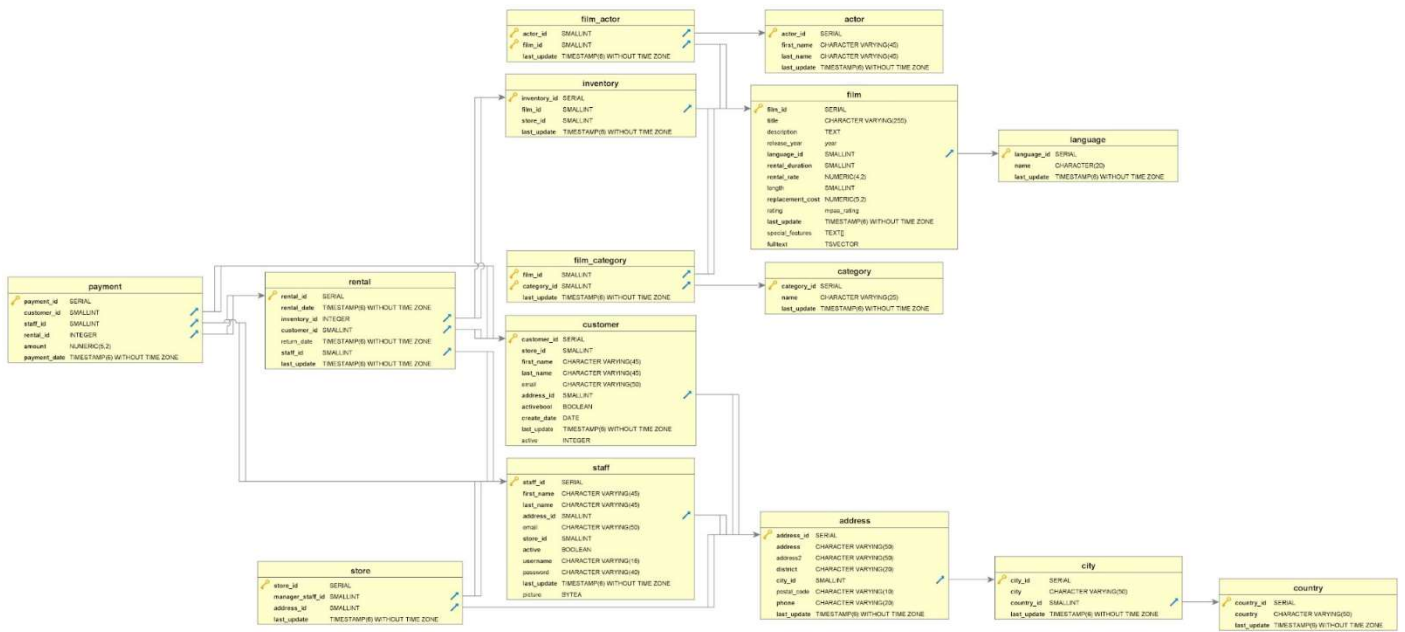
DATA DICTIONARY

MARIANA OLIVEIRA

Table of Contents

1. Entity Relationship Diagram (ERD)

2. Fact Tables

a) Rental Table (Primary Key: PK; Foreign Key: FK)

Unique Key	Column	Data type	Description
PK	rental_id	Serial	unique identifier for rental
	rental_date	Timestamp without time zone	date of rental
FK	inventory_id	integer	unique identifier for inventory
FK	customer_id	smallint	unique identifier for costumer
	return_date	Timestamp without time zone	date of film return
FK	staff_id	smallint	unique identifier for staff
	last_update	Timestamp without time zone	date from the last update
Links to	Inventory		
	Customer		
	Staff		

b) Payment table

Unique Key	Column	Data type	Description
PK	payment_id	serial	unique payment identifier
FK	customer_id	Small integer	unique payment identifier
FK	staff_id	Small integer	unique payment identifier
FK	rental_id	Integer	unique payment identifier
	amount	numeric	payment value
	payment_date	timestamp without time zone	payment date
Links to	Customer		
	Staff		
	Rental		
Links from	Payment		

3. Dimensions Tables

a) Film category table

Unique Key	Column	Data type	Description
PK/FK	film_id	Small integer	Unique film identification
PK/FK	category_id	Small integer	Unique category identification
	last_update	Timestamp without timezone	date of the last update
Links to	Category		
	Film		

b) Store table

Unique key	Column	Type of Integer	Description
PK	store_id	Integer	Unique store identification
FK	manager_staff_id	Small integer	Unique manager staff identification
FK	address_id	Small integer	Unique address identification
	last_update	Timestamp without timezone	date of the last update
Links to	Staff		
	Address		

c) Staff table

Unique key	Column	Type of Integer	Description
PK	staff_id	Serial	Unique store identification
	first_name	Varchar	Person's first name
	last_name	Varchar	Person's last name
FK	address_id	Small integer	Unique address identification
	email	Varchar	Person's email
	store_id	Small integer	Unique store identification
	active	Boolean	If the persons is active or not
	username	Varchar	Person's username
	password	Varchar	Person's password
	last_update	Timestamp	Date of last update
	picture	Bytea	Person's picture
Links to	Address		

Links from	Payment		
	Rental		
	Store		

d) Customer table

Unique key	Column	Type of Integer	Description
PK	customer_id	Serial	Unique costumer identification
	store_id	Small integer	Unique store identification
	first_name	Varchar	Person's first name
	last_name	Varchar	Person's last name
	email	Varchar	Person's email
FK	address_id	Small integer	Unique adress identification
	activebool	Boolean	If the person is active or not
	create_date	Date	Date of creation
	last_update	Timestamp without time zone	Date of last update
	active	Integer	Active integer
Links to	Address		
Links from	Payment		
	Rental		

e) Address table

Unique key	Column	Type of Integer	Description
PK	address_id	Serial	Unique address identification
	address	Varchar	Exact address
	address2	Varchar	null
	district	Varchar	Distrit name
FK	city_id	Small integer	Unique city identification
	postal_code	Varchar	Postal code
	phone	Varchar	Phone number
	last_update	Timestamp without timezone	Data of last update
Links to	City		
Links from	Customer		
	Staff		
	Store		

f) City table

Unique key	Column	Type of Integer	Description
PK	city_id	Serial	Unique city identification
	city	Varchar	City name
FK	country_id	Small integer	Unique country identification
	last_update	Timestamp without timezone	Date of last update
Links to	Country		
Links from	Address		

g) Country table

Unique key	Column	Type of Integer	Description
PK	country_id	Serial	Unique country identification
	country	Varchar	Country name
	last_update	Timestamp without timezone	Date of last update
Links to	City		

h) Film table

Unique key	Column	Type of Integer	Description
PK	film_id	Serial	Unique film identification
	title	Varchar	Film title
	description	Text	Film description
	release_year	Year	Year of release
FK	language_id	Small integer	Unique language identification
	rental_duration	Small integer	Rental duration
	rental_rate	Numeric	Rental rate
	length	Small integer	Film length
	replacement_cost	Numeric	Cost of replacement
	rating	Mpaa_rating	Film rating
	last_update	Timestamp without timezone	Date of last update
	special_features	Text	Description of special features
	fulltext	Tsvector	Fulltext
Links to	language		
Links from	film_actor		
	inventory		
	film_category		

i) Category table

Unique key	Column	Type of Integer	Description
PK	category_id	Serial	Unique category identification
	name	Varchar	Category name
	last_update	Timestamp without timezone	Category last update
Links from	fiilm_category		

j) Inventory table

Unique key	Column	Type of Integer	Description
PK	inventory_id	Serial	Unique inventory identification
FK	film_id	Small integer	Unique film identification
FK	store_id	Small integer	Unique store identification
	last_update	Timestamp without timezone	Date of last update
links to	FIlm		
links from	Rental		

k) Film actor table

Unique key	Column	Type of Integer	Description
PK/FK	actor_id	Small integer	Unique actor identification
PK/FK	film_id	Small integer	Unique film identification
	last_update	Timestamp without timezone	Date of last update
links to	actor		
	film		

l) Actor table

Unique key	Column	Type of Integer	Description
PK	actor_id	Serial	Unique actor identification
	first_name	Varchar	Actor first name
	last_name	Varchar	Actor last name

	last_update	Timestamp without timezone	Date of last update
Links from	film actor		

m) Language table

Unique key	Column	Type of Integer	Description
PK	language_id	Serial	Unique language identification
	name	Bpchar	Language name
	last_update	Timestamp without timezone	Date of last update
Links from	Film		