DATA DICTIONARY

By: Alex Kaplan

ROCKBUSTER STEALTH LLC
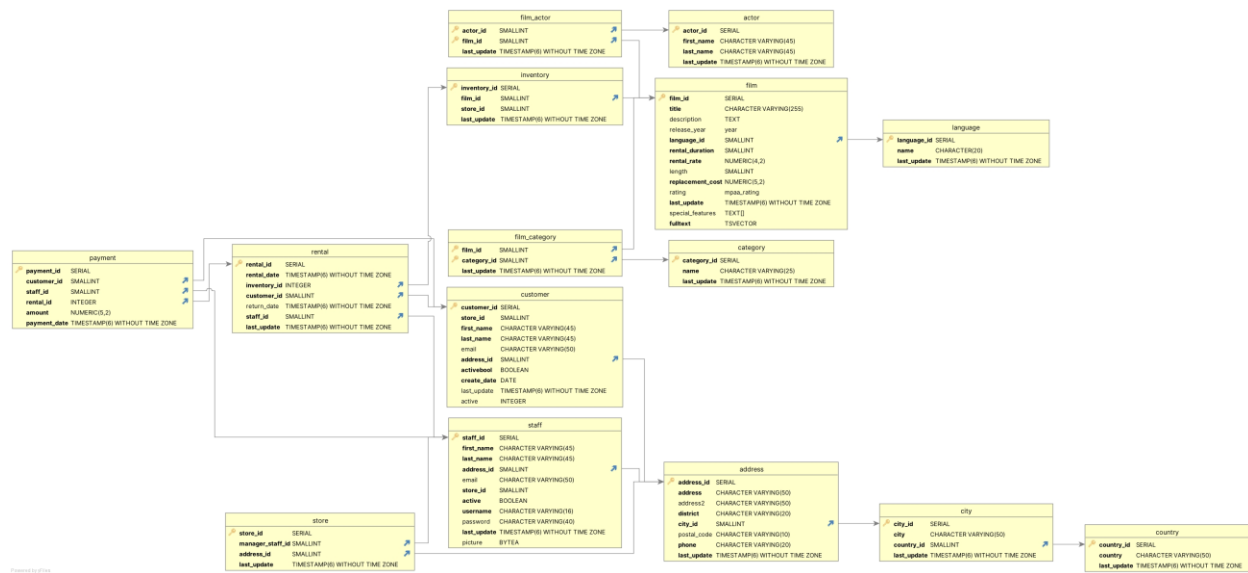
Table of Contents

PK=Primary Key

FK= Foreign Key

Step 2. DbVisualizer

2.0 Fact Tables

2.1 Payment Tables

Unique Key	Column	Data Type	Descripton
PK	payment_id	serial	Unique Payment Identifier
FK	customer_id	small int	ID of Customer
FK	staff_id	Small int	Unique ID for staff
FK	rental_id	integer	ID of rental
	amount	numeric	Cost in numerical value
	payment date	timestamp	Time and state of payment w/o time zone

2.2 Rental Table

Unique Key	Column	Data type	Description
PK	rental_id	Serial	Unique identifier for rental
	rental_date	Timestamp w/o time zone	Date of rental
FK	inventory_id	Integer	Inventory identifier
FK	customer_id	smallint	ID of customer
	return_date	Timestamp w/o time zone	Date of return
FK	staff_id	smallint	Unique id for staff
	last_update	Timestamp w/o time zone	Time of last update

Links to

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table
Rental	Foreign key reference to rental table

Links from

Table	Description
Payment	Foreign key reference to payment table

3.0 Dimension Tables

3.1 Address Table

Unique Key	Column	Data Type	Description
PK	address_id	Serial	Unique address identifier
	address	Character varying (50)	Address line 1
	address2	Character varying (50)	Address line 2
	district	Character varying (20)	District of the address
FK	city_id	Smallint	Unique city identifier
	postal_code	Character varying (10)	Postal code of the address
	Phone	Character varying (20)	Phone associated with the address
	last_update	Timestamp (6) without time zone	Date of last update

Links to

Table	Description
City	Foreign key to city table

Links from

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key refence to staff table
Store	Foreign key refence to store table

3.2 Category Table

Unique Key	Column	Data Type	Description
PK	category_id	Serial	Unique category identifier
	name	Character Varying (25)	Category Name
	last_update	Timestamp (6) without time zone	Date of last update

Links from

Table	Description
Film_category	Foreign key reference to film_category table

3.3 City Table

Unique Key	Column	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	Description
Country	Foreign key reference to country table

Links from

Table	Description
Address	Foreign key reference to address table

3.4 Country Table

Unique Key	Column	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 from

Table	Description
City	Foreign key reference to city table

3.5 Customer Table

Unique Key	Column	Data Type	Description
PK	customer_id	Serial	Unique customer identifier
	store_id	Smallint	Unique store identifier
	first_name	Character varying (45)	First name customer
	last_name	Character varying (45)	Last name customer
	email	Character varying (50)	Email customer
FK	address_id	Smallint	Unique address identifier
	activebool	Boolean	Whether a customer is active
	create_date	Date	Date of customer profile creation
	last_update	Timestamp (6) without time zone	Date of last update
	active	Integer	Customer status (Active=1)

Links to

Table	Description
Address	Foreign key reference to address table

Links from

Table	Description
Payment	Foreign key reference to payment table
Rental	Foreign key reference to rental table

3.6 Film Actor Table

Unique Key	Column	Data Type	Description
PK/FK	film_id	Smallint	Unique film identifier
PK/FK	category_id	Smallint	Unique category identifier
	last_update	Timestamp(6) without time zone	Date of last update

Links to

Table	Description
Category	Foreign key reference to category table
Film	Foreign key refe

3.7 Film Category

Unique Key	Column	Data Type	Description
PK/FK	film_id	Smallint	Unique film identifier
PK/FK	category_id	Smallint	Unique category identifier
	last_update	Timestamp (6) without time zone	Date of last update

Links to

Table	Description
Category	Foreign key reference to category table
Film	Foreign key reference to film table

3.8 Inventory Table

Unique Key	Column	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 stamp	Date of last update

Links to

Table	Description
Film	Foreign key reference to film table
Links from	
Table	Description
Rental	Foreign key reference to rental table

3.9 Language Table

Unique Key	Column	Data Type	Description
PK	Language_id	Serial	Unique language identifier
	Name	Character varying (50)	Language name
	Last_update	Timestamp (6) without time stamp	Date of last update

Links from

Table	Description
Film	Foreign key reference to film table

3.10 Staff Table

Unique Key	Column	Data Type	Description
PK	staff_id	Serial	Unique staff 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)	Email of staff member
	store_id	Smallint	Unique store identifier
	Active	Boolean	Whether a staff member is active
	username	Character varying (16)	Staff member's username
	password	Character varying (40)	Staff member's password
	last_update	Timestamp (6) without time zone	Date of last update
	Picture	Bytea	Staff member's picture

Links to

Table	Description
Address	Foreign key reference to address table

Links from

Table	Description

Payment	Foreign key reference to payment table
Rental	Foreign key reference to rental table
Store	Foreign key reference to store table

3.11 Film Table

Unique Key	Column	Data Type	Description
PK	film_id	Serial	Unique film identifier
	title	Character varying (255)	Title of film
	description	Text	Description of film
	release_year	Year	Year the film was released
FK	language_id	Smallint	Language of film
	rental_duration	Smallint	Duration of film
	rental_rate	Numeric (4,2)	Rate of film
	Length	Smallint	Length of film
	replacement_cost	Numeric (5,2)	Replacement cost for film
	rating	Mpaa_rating	Rating of film
	last_update	Timestamp (6) without time zone	Date of last update

	special_features	Text[]	Special feature of the film
	Fulltext	Tsvector	List of key words and position

Links to

Table	Description
Language	Foreign key reference to language table

Links from

Table	Description
Film_actor	Foreign key reference to film_actor table
Inventory	Foreign key reference to inventory table
Film_category	Foreign key reference to film_category table

3.12 Actor

Unique Key	Column	Data Type	Description
PK	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 from

Table	Description
film_actor	Foreign key reference to film_actor table