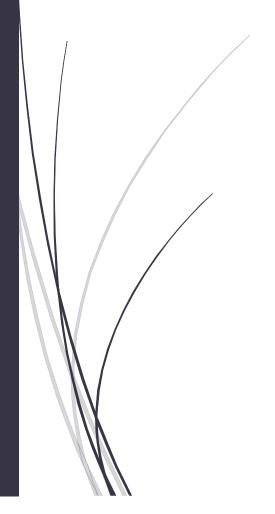
# Rockbuster Stealth LLC

Data Dictionary



Marisa Costa Task 3.10

## Legend

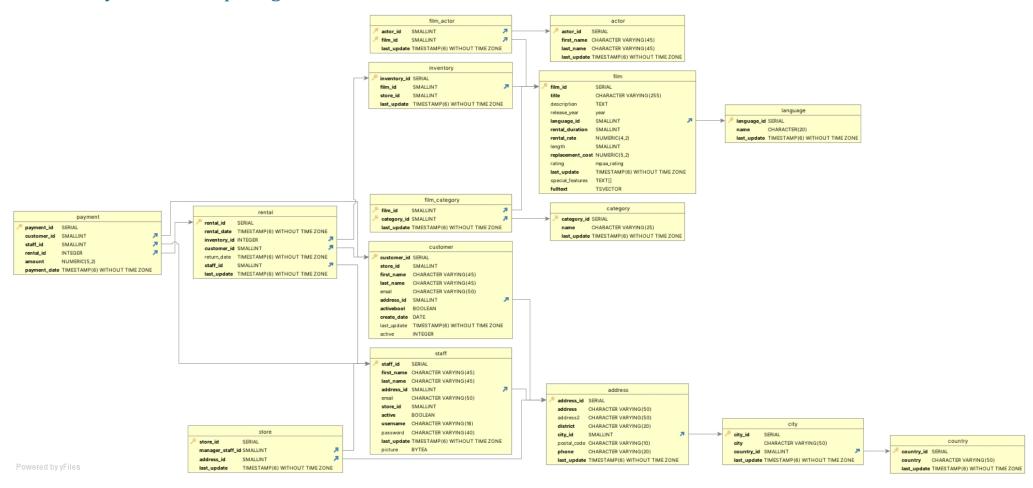
Primary Key



Foreign Key

(FK) Foreign Key

## **Entity Relationship Diagram**



## Rockbuster Stealth LLC

Rockbuster Stealth is a movie rental company with stores all over the world.

This is a Rockbuster Stealth database dictionary with an ERD in a snowflake schema.

#### a. Fact Tables

#### **Payment**

Columns	Data Type	Description
payment_id	SERIAL	Primary Key: Unique payment transaction identity number
(FK) customer_id	SMALLINT	Foreign Key: Customer specific identity number
(FK) staff_id	SMALLINT	Foreign Key: Staff specific identity number
(FK) rental_id	INTEGER	Foreign Key: Rental specific identity number
amount	NUMERIC (5,2)	Amount paid for the rental
payment_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time of payment transaction

#### Payment Links to:-

Table	Join	Description
customer	payment.customer_id =	Foreign key constraint referencing
	customer.customer_id	customer_id
staff	payment.staff_id = staff.staff_id	Foreign key constraint referencing
		staff_id
rental	payment.rental_id =	Foreign key constraint referencing
	rental.rental_id	rental_id

#### Rental

Columns	Data Type	Description
<sup>⊙⇒</sup> rental_id	SERIAL	Primary Key: Unique rental specific identity number
rental_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time at the beginning of the rental
(FK) inventory_id	INTEGER	Foreign Key: Rental item's inventory identity number
(FK) customer_id	SMALLINT	Foreign Key: Customer specific identity number
return_date	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time rental must be returned
(FK) staff_id	SMALLINT	Foreign Key: Staff specific identity number
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time this entry was last updated

#### Rental Links to:-

Table	Join	Description
inventory	rental.inventory_id = inventory.	Foreign key constraint referencing
	inventory _id	inventory _id
customer	rental. customer _id =	Foreign key constraint referencing
	customer. customer _id	customer _id
staff	rental. staff_id = staff.staff_id	Foreign key constraint referencing
		staff_id _id

#### Rental Links from:-

Table	Join	Description
payment	payment.rental_id =	Foreign key constraint referencing
	rental.rental_id	rental_id

#### Store:

Columns	Data Type	Description
<sup>©⇒</sup> store id	SERIAL	Primary Key: Unique store specific
5:01-0_10		identity number
(FK) manager_staff_id	SMALLINT	Foreign Key: Manager staff specific
		identity number
(FK) address_id	SMALLINT	Foreign Key: Address specific identity
		number
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### Store Links to:

Table	Join	Description
staff	store.manager_staff_id = staff. manager_staff_id	Foreign key constraint referencing manager_staff_id
address	store.address_id = address.address_id	Foreign key constraint referencing address_id

#### Inventory

Columns	Data Type	Description
<sup>⊙⇒</sup> inventory id	SERIAL	Primary Key: Unique rental item
inventory_ta		inventory identity number
(FK) film_id	SMALLINT	Foreign Key: Film's specific identity
		number
store_id	SMALLINT	Store specific identity number
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### **Inventory Links to:**

Table	Join	Description
film	inventory.film_id = film.film_id	Foreign key constraint referencing
		film_id

#### **Inventory Links from:**

Table	Join	Description
rental	rental.inventory_id =	Foreign key constraint referencing
	inventory. inventory _id	inventory _id

#### Film\_Category

Columns	Data Type	Description
(FK) film_id	SMALLINT	Foreign Key: Unique film specific identity number
(FK) category_id	SMALLINT	Foreign Key: Unique category's specific identity number
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time this entry was last updated

#### Film\_Category Links to:

Table	Join	Description
film	film_category.film_id = film.film_id	Foreign key constraint referencing film_id
category	film_category. category _id = category. category _id	Foreign key constraint referencing category _id

#### Film\_Actor

Columns	Data Type	Description
(FK) actor_id	SMALLINT	Foreign Key: Unique actor specific identity number
(FK) film_id	SMALLINT	Foreign Key: Unique film specific identity number
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time this entry was last updated

#### Film\_actor Links to:

Table	Join	Description
actor	film_actor.actor_id =	Foreign key constraint referencing
	actor.actor_id	actor_id
film	film_actor.film_id = film.film_id	Foreign key constraint referencing
		film_id

#### b. <u>Dimension Tables</u>

#### Customer

Columns	Data Type	Description
customer_id	SERIAL	Primary Key: Unique customer specific identity number
store_id	SMALLINT	Store specific identity number
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
(FK) address_id	SMALLINT	Foreign Key: Address specific identity number
activebool	BOOLEAN	Reports back if the customer is still active using "True", "False" & "unknown"
create_date	DATE	Date the customer identity number was created
last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Date and time this entry was last updated
active	INTEGER	Reports back if the customer is still active using "1" and "0"

#### **Customer Links to:**

Table	Join	Description
address	customer.address_id =	Foreign key constraint referencing
	address.address _id	address_id

#### **Customer Links from:-**

Table	Join	Description
rental	rental. customer _id =	Foreign key constraint referencing
	customer. customer _id	customer _id

#### Staff

Columns	Data Type	Description
© staff id	SERIAL	Primary Key: Unique staff specific
Stan_ia		identity number
first_name	CHARACTER VARYING (45)	Staff's first name
last_name	CHARACTER VARYING (45)	Staff's last name
(FK) address_id	SMALLINT	Foreign Key: Address specific identity
		number
email	CHARACTER VARYING (50)	Staff's email address
store_id	SMALLINT	Store specific identity number
active	BOOLEAN	Reports back if the customer is still
		active using "True", "False" &
		"unknown"
username	CHARACTER VARYING (16)	Staff's email address
password	CHARACTER VARYING (14)	Staff's password
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated
picture	BYTEA	Staff's picture for identification

#### Staff Link to:

Table	Join	Description
address	staff.address_id =	Foreign key constraint referencing
	address.address _id	address_id

#### Staff Links from:-

Table	Join	Description
payment	payment.staff_id = staff.staff_id	Foreign key constraint referencing staff_id

#### Address

Columns	Data Type	Description
ొaddress_id	SERIAL	Primary Key: Unique address specific
aua. essu		identity number
address	CHARACTER VARYING (50)	Address details
address2	CHARACTER VARYING (50)	Address details, line 2
district	CHARACTER VARYING (20)	Address district
(FK) city_id	SMALLINT	Foreign Key: City specific identity
		number
postal_code	CHARACTER VARYING (10)	Address's postal code
phone	CHARACTER VARYING (20)	Contact phone number
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### Address Link to:

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Table	Join	Description
city	address.city_id = city.city _id	Foreign key constraint referencing
		city id

#### Address Links from:-

Table	Join	Description
store	store.address_id =	Foreign key constraint referencing
	address.address_id	address_id

#### City

Columns	Data Type	Description
<sup>⊙⇒</sup> city_id	SERIAL	Primary Key: Unique city specific
		identity number
city	CHARACTER VARYING (50)	City name
(FK) country_id	SMALLINT	Foreign Key: Country specific identity
		number
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### City Link to:

Table	Join	Description
country	city.country_id =	Foreign key constraint referencing
	country.country_id	country_id

#### City Links from:-

Table	Join	Description
address	address.city_id = city.city _id	Foreign key constraint referencing
		city_id

#### Country

Columns	Data Type	Description
<sup>©™</sup> country id	SERIAL	Primary Key: Unique country specific
country_iu		identity number
country	CHARACTER VARYING (50)	Country name
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### Country Links from:-

Table	Join	Description
city	city.country_id =	Foreign key constraint referencing
	country.country _id	city_id

#### Actor

Columns	Data Type	Description
<sup>©</sup> actor id	SERIAL	Primary Key: Unique actor specific
ueteu		identity number
first_name	CHARACTER VARYING (45)	Actor's first name
last_name	CHARACTER VARYING (45)	Actor's last name
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### Actor Links from:-

Table	Join	Description
film_actor	film.actor_id =	Foreign key constraint referencing
	actor.actor_id	actor_id

#### Film

Columns	Data Type	Description
€ film_id	SERIAL	Primary Key: Unique film specific
		identity number
title	CHARACTER VARYING (255)	Name of the rental film
description	TEXT	Description of the film
release_year	year	Year the film was released
(FK) language_id	SMALLINT	Foreign Key: Unique language specific
		identity number
rental_duration	SMALLINT	Length of rental in days
rental_rate	NUMERIC (4,2)	Rate of film rental
length	SMALLINT	Minute length of the film
replacement_cost	NUMERIC (5,2)	Cost if film had to be replaced
rating	Mpaa_rating	Restriction or warning rating
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated
special_features	TEXT []	Additional film related features
fulltext	TSVECTOR	Full-text search engine

#### Film Links to:-

Table	Join	Description
language	film.language_id =	Foreign key constraint referencing
	language.language_id	language_id

#### Film Links from:-

Table	Join	Description
inventory	inventory.film_id = film.film_id	Foreign key constraint referencing
		film_id

#### Category

Columns	Data Type	Description
<sup>©</sup> category_id	SERIAL	Primary Key: Unique category specific
category_ia		identity number
name	CHARACTER VARYING (25)	Category name
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### **Category Links from:-**

<u> </u>		
Table	Join	Description
film_category	film_category. category _id =	Foreign key constraint referencing
	category. category _id	category _id

#### Language

Columns	Data Type	Description
<sup>⊙</sup> anguage_id	SERIAL	Primary Key: Unique language specific
		identity number
name	CHARACTER VARYING (20)	Category name
last_update	TIMESTAMP (6) WITHOUT	Date and time this entry was last
	TIMEZONE	updated

#### Language Links from:-

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Table	Join	Description			
film	film.language_id =	Foreign key constraint referencing			
	language.language_id	language_id			