

Data Dictionary

# Rockbuster Stealth

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Jessie Yang

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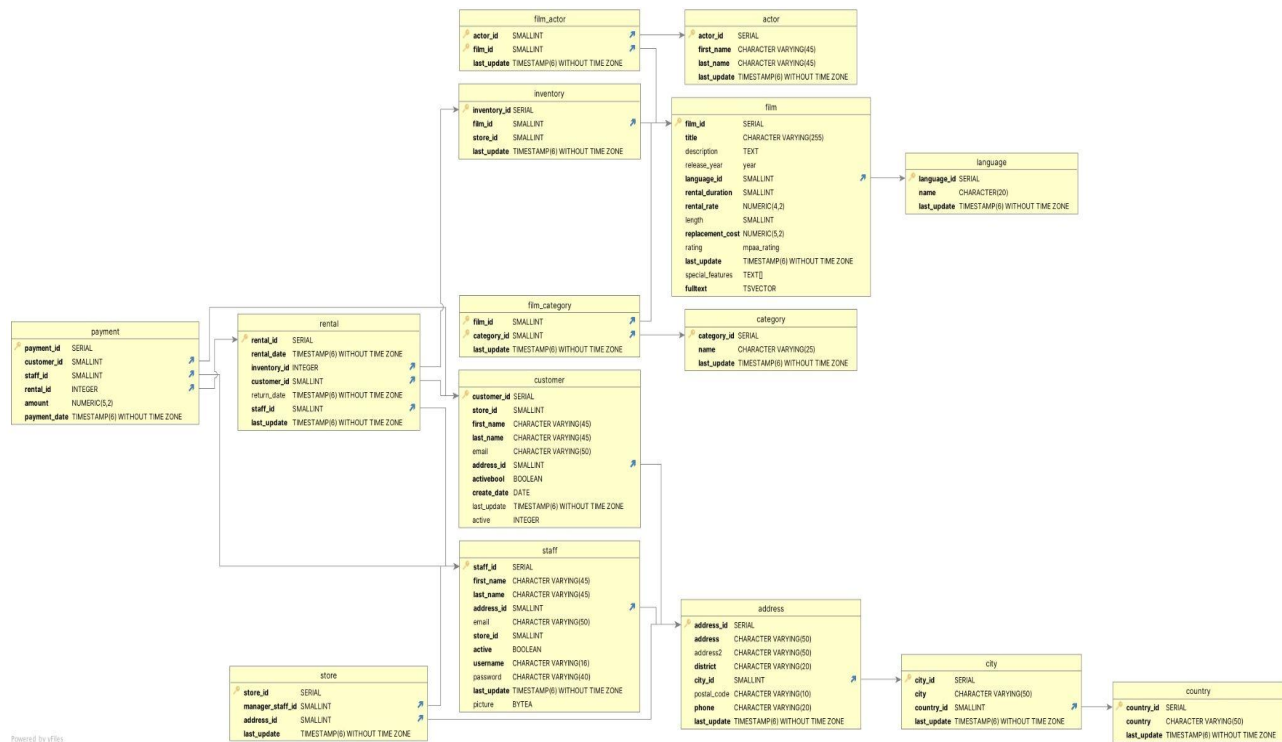
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# Entity Relationship Diagram (ERD)

Legend:

-  Primary Key
-  Foreign Key



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## Fact Tables

Payment

COLUMNS	DATA TYPE	DESCRIPTION
payment_id	serial	Primary key, unique serial number for each transaction
Customer_id	smallint	Unique number for customer
Staff_id	smallint	Unique number for staff
rental_id	Integer	Unique number for rental
amount	Numeric (5,2)	Dollar cost of rental
Payment date	timestamp(6) without time zone	Date payment was made

Links to:

TABLE	JOIN
Customer	<a href="#">payment.customer_id = customer.customer_id</a>
Staff	<a href="#">payment.staff_id = staff.staff_id</a>
Rental	<a href="#">payment.rental_id = rental.rental_id</a>

Linked from:

[N/A](#)

## Rental

COLUMNS	DATA TYPE	DESCRIPTION
rental_id	serial	Primary key, unique serial number for each transaction
rental_date	timestamp(6) without time zone	Date of rental
inventory_id	integer	Unique number for inventory
customer_id	smallint	Unique number for customer
return_date	timestamp(6) without time zone	Date rental was returned
staff_id	smallint	Unique number for staff
last_update	timestamp(6) without time zone	Last time table was updated

Links to:

TABLE	JOIN
Inventory	<a href="#">rental.inventory_id = inventory.inventory_id</a>
Customer	<a href="#">rental.customer_id = customer.customer_id</a>
Staff	<a href="#">rental.staff_id = staff.staff_id</a>

Linked from:

TABLE	JOIN
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Payment	<a href="#">payment.rental_id = rental.rental_id</a>
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## Dimension Tables

Actor

COLUMN	DATA TYPE	DESCRIPTION
actor_id	serial	Primary key, unique number for actor
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	Last time database was updated

Links to:

[N/A](#)

Linked from:

TABLE	JOIN
Film Actor	<a href="#">film_actor.actor_id = actor.actor_id</a>

Film Actor

COLUMN	DATA TYPE	DESCRIPTION
actor_id	smallint	Primary key, unique number for actor
film_id	smallint	Unique number for film

last_update	timestamp(6) without time zone	Last time database was updated
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Links to:

TABLE	JOIN
Actor	<a href="#">film_actor.actor_id = actor.actor_id</a>
Film	<a href="#">film_actor.film_id = film.film_id</a>

Linked from:

[N/A](#)

Inventory

COLUMN	DATA TYPE	DESCRIPTION
inventory_id	serial	Primary key, unique number for inventory
film_id	smallint	Unique number for film
store_id	smallint	Unique number for store
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

TABLE	JOIN
Film	<a href="#">inventory.film_id = film.film_id</a>

Linked from:



TABLE	JOIN
Rental	<a href="#">rental.inventory_id = inventory.inventory_id</a>

Film

COLUMN	DATA TYPE	DESCRIPTION
film_id	serial	Primary key, unique number for film
title	Character varying(255)	Title of film
description	text	Film description
release_year	year	Year of film release
language_id	smallint	Unique number for language
rental_duration	smallint	Duration of rental period
rental_rate	numeric(4.2)	Rate of rental
length	smallint	Length of rental
Replacement cost	numeric(5.2)	Cost of rental replacement
rating	mpaa_rating	Rental rating
last_update	timestamp(6) without time zone	Last time database was updated
special_features	text[]	Special features of film
fulltext	tsvector	Film index; contains count of keywords in description

Links to:

TABLE	JOIN
Language	<a href="#">film.language_id = language.language_id</a>



Linked from:

TABLE	JOIN
Film Actor	<a href="#">film_actor.film_id = film.film_id</a>
Inventory	<a href="#">inventory.film_id = film.film_id</a>
Film Category	<a href="#">film_category.film_id = film.film_id</a>

Language

COLUMN	DATA TYPE	DESCRIPTION
language_id	serial	Primary key, unique number for language
name	character(20)	Name of language
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

[N/A](#)

Linked from:

TABLE	JOIN
Film	<a href="#">film.language_id = language.language_id</a>

Film Category

COLUMN	DATA TYPE	DESCRIPTION
film_id	smallint	Primary key, unique number for film
category_id	smallint	Unique number for category
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

TABLE	JOIN
Film	<a href="#">film_category.film_id = film.film_id</a>
Category	<a href="#">film_category.category_id = category.category_id</a>

Linked from:

[N/A](#)

Category

COLUMN	DATA TYPE	DESCRIPTION
category_id	serial	Primary key, unique number for category
name	Character varying(25)	Name of category
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

[N/A](#)

Linked from:

TABLE	JOIN
Film Category	<a href="#">film_category.category_id = category.category_id</a>

Staff

COLUMN	DATA TYPE	DESCRIPTION
staff_id	serial	Primary key, unique number for staff
first_name	Character varying(45)	Staff first name
last_name	Character varying(45)	Staff last name
address_id	smallint	Unique number for address
email	Character varying(50)	Staff email
store_id	smallint	ID of store
active	boolean	Whether 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	Last time database was updated
picture	bytea	Picture of staff member

Links to:

TABLE	JOIN
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Address	staff.address_id = address.address_id
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Linked from:

TABLE	JOIN
Payment	payment.staff_id = staff.staff_id
Rental	rental.staff_id = staff.staff_id
Store	store.manager_staff_id = staff.staff_id

Store

COLUMN	DATA TYPE	DESCRIPTION
store_id	serial	Primary key, unique number for store
manager_staff_id	smallint	Unique number for manager staff
address_id	smallint	Unique number for address
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

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

Linked from:

N/A

Customer

COLUMN	DATA TYPE	DESCRIPTION
customer_id	SERIAL	Primary key, unique number for customer
store_id	SMALLINT	Unique number for store
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
address_id	smallint	Unique number for address
activebool	boolean	Active status of customer listed as true or false
create_date	date	Date customer profile was created
last_update	timestamp(6) without time zone	Last time database was updated
active	Integer	Active status represented by 1 or 0

Links to:

TABLE	JOIN
Address	<a href="#">customer.address_id = address.address_id</a>

Linked from:

TABLE	JOIN
Rental	<a href="#">rental.customer_id = customer.customer_id</a>
Payment	<a href="#">payment.customer_id = customer.customer_id</a>

Address

COLUMN	DATA TYPE	DESCRIPTION
address_id	serial	Primary key, unique number for address
address	Character varying(50)	Address line 1
address2	Character varying(50)	Address line 2
district	Character varying(20)	District of address
city_id	smallint	Unique number for city
postal_code	Character varying(10)	Postal code of address
phone	Character varying(20)	Phone number of address
last_update	Timestamp(6) without time zone	Last time database was updated

Links to:

TABLE	JOIN
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City	<a href="#">address.city_id = city.city_id</a>
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Linked from:

TABLE	JOIN
Customer	<a href="#">customer.address_id = address.address_id</a>
Staff	<a href="#">staff.address_id = address.address_id</a>
Store	<a href="#">store.address_id = address.address_id</a>

City

COLUMN	DATA TYPE	DESCRIPTION
city_id	serial	Primary key, unique number for city
city	Character varying(50)	City name
country_id	smallint	Unique number for country
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

TABLE	JOIN
Country	<a href="#">city.country_id = country.country_id</a>

Linked from:



TABLE	JOIN
Address	<a href="#">address.city_id = city.city_id</a>

Country

COLUMN	DATA TYPE	DESCRIPTION
country_id	serial	Primary key, unique number for country
country	Character varying(50)	Country name
last_update	timestamp(6) without time zone	Last time database was updated

Links to:

[N/A](#)

Linked from:

TABLE	JOIN
City	<a href="#">city.country_id = country.country_id</a>