



# Rockbuster Stealth, LLC

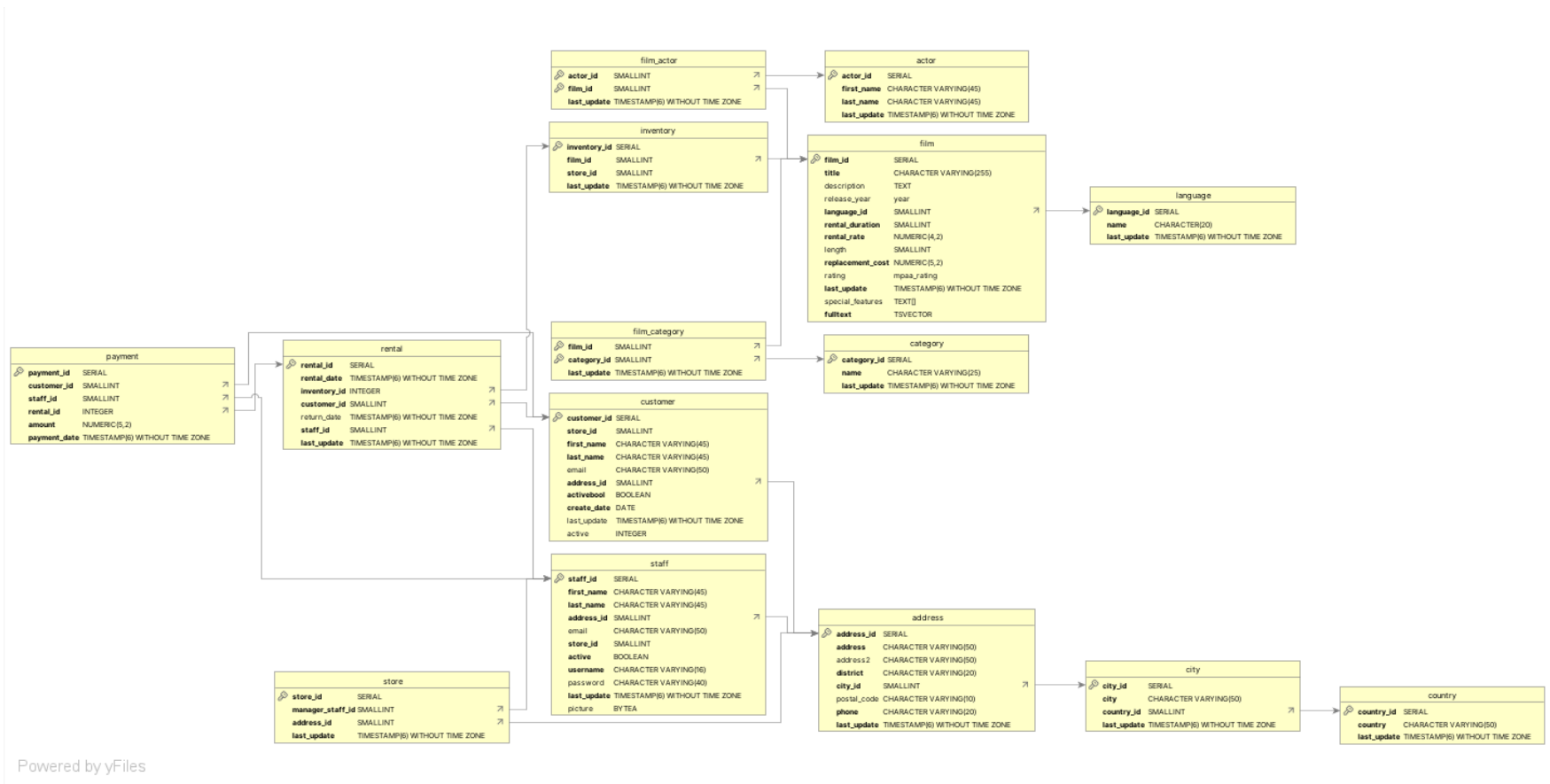
## Data Dictionary

This document reflects the Rockbuster database, a database for a video rental service interested in converting to an online video rental format. This database employs a **snowflake schema**, because fact tables lead to dimension tables which branch out into other dimension tables.

## Table of Contents


Rockbuster ERD:.....	2
Fact Tables.....	3
Dimension Tables.....	4

## Rockbuster ERD:



## Fact Tables


### Payment

Column	Data Type	Description
payment_id 	SERIAL	Unique identifier for payment
customer_id	SMALLINT	Unique identifier for customer
staff_id	SMALLINT	Unique identifier for staff member who handled the transaction
rental_id	INTEGER	Unique identifier for rental
amount	NUMERIC(5,2)	Total amount of sale
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when payment was confirmed

Links to:

Rental (rental\_id), Customer (customer\_id), Staff (staff\_id)

### Rental

Column	Data Type	Description
rental_id 	SERIAL	Unique identifier for rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when rental started
inventory_id	INTEGER	Unique inventory identifier for rental
customer_id	SMALLINT	Unique identifier for customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when rental was returned
staff_id	SMALLINT	Unique identifier for staff member who handled the transaction
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Links to:



Inventory (inventory\_id), Customer (customer\_id), Staff (staff\_id)

Linked from:

Payment (rental\_id)

## Dimension Tables:


### Film Actor

Column	Data Type	Description
actor_id 	SMALLINT	Unique identifier for actor
film_id 	SMALLINT	Unique identifier for film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Links to:

Actor (actor\_id), Film (film\_id)



### Inventory

Column	Data Type	Description
inventory_id 	SERIAL	Unique inventory identifier for rental
film_id	SMALLINT	Unique identifier for film
store_id	SMALLINT	Unique identifier for store where transaction took place
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Links to:

Film (film\_id)


## Film Category

Column	Data Type	Description
film_id 	SMALLINT	Unique identifier for film
category_id 	SMALLINT	Unique identifier for film category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

### Links to:

Film (film\_id), Category (category\_id)

## Customer

Column	Data Type	Description
customer_id 	SERIAL	Unique identifier for customer
store_id	SMALLINT	Unique identifier for store
first_name	CHARACTER VARYING (45)	Customer first name
last_name	CHARACTER VARYING (45)	Customer last name
email	CHARACTER VARYING (50)	Customer email address
address_id	SMALLINT	Unique identifier for customer address
activebool	BOOLEAN	Active? (True or false)
create_date	DATE	Date customer was added
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated
active	INTEGER	Active? (0 or 1)


### Links to:

Address (address\_id)

Linked from:

Payment (customer\_id), Rental (customer\_id)

## Staff

Column	Data Type	Description
staff_id 	SERIAL	Unique identifier for staff
first_name	CHARACTER VARYING (45)	Staff first name
last_name	CHARACTER VARYING (45)	Staff last name
address_id	SMALLINT	Unique identifier for staff address
email	CHARACTER VARYING (50)	Staff email address
store_id	SMALLINT	Unique identifier for store
active	BOOLEAN	Active? (true or false)
username	CHARACTER VARYING(16)	Staff username
password	CHARACTER VARYING (40)	Staff password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated
picture	BYTEA	Staff photo


Links to:

Address (address\_id)

Linked from:

Payment (staff\_id), Rental (staff\_id), Store (store\_id)

## Store


Column	Data Type	Description
store_id 	SERIAL	Unique identifier for store

manager_staff_id	SMALLINT	Unique identifier for manager of store
address_id	SMALLINT	Unique identifier for store address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Links to:

Staff (store\_id), Address (address\_id)


## Actor

Column	Data Type	Description
actor_id 	SERIAL	Unique identifier for actor
first_name	CHARACTER VARYING (45)	Actor first name
last_name	CHARACTER VARYING (45)	Actor last name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Linked from:

Film Actor (actor\_id)

## Film

Column	Data Type	Description
film_id 	SERIAL	Unique identifier for film
title	CHARACTER VARYING (255)	Film title
description	TEXT	Description of film
release_year	year	Year film was released
language_id	SMALLINT	Unique identifier for language

rental_duration	SMALLINT	Duration of rental period
rental_rate	NUMERIC(4,2)	Cost of rental
length	SMALLINT	Length of film
replacement_cost	NUMERIC(5,2)	Cost to replace film
rating	mpas_rating	Film rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated
special_features	TEXT	Film's special features
fulltext	TSVECTOR	Key words from the film


Links to:

Language (language\_id)

Linked from:

Film Actor (film\_id), Inventory (film\_id), Film Category (film\_id)

### Category

Column	Data Type	Description
category_id 	SERIAL	Unique identifier for film category
name	CHARACTER VARYING(25)	Name of film category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Linked from:

Film Category (category\_id)

### Language

Column	Data Type	Description
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language_id	SERIAL	Unique identifier for language
name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Linked from:

Film (language\_id)

## Address

Column	Data Type	Description
address_id 	SERIAL	Unique identifier for address
address	CHARACTER VARYING (50)	Address line 1
address2	CHARACTER VARYING (50)	Address line 2
district	CHARACTER VARYING (20)	Region (state or country)
city_id	SMALLINT	Unique identifier for city
postal_code	CHARACTER VARYING (10)	Zip code
phone	CHARACTER VARYING (20)	Phone number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Links to:


City (city\_id)

Linked from:

Store (address\_id), Staff (address\_id), Customer (address\_id)

## City

Column	Data Type	Description
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city_id 	SERIAL	Unique identifier for city
city	CHARACTER VARYING (50)	City name
country_id	SMALLINT	Unique identifier for country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Links to:

Country (country\_id)

Linked from:

Address (city\_id)

## Country

Column	Data Type	Description
country_id 	SERIAL	Unique identifier for country
country	CHARACTER VARYING(50)	Country name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time when the record was last updated

Linked from:

City (country\_id)