

# Rockbuster Stealth LLC

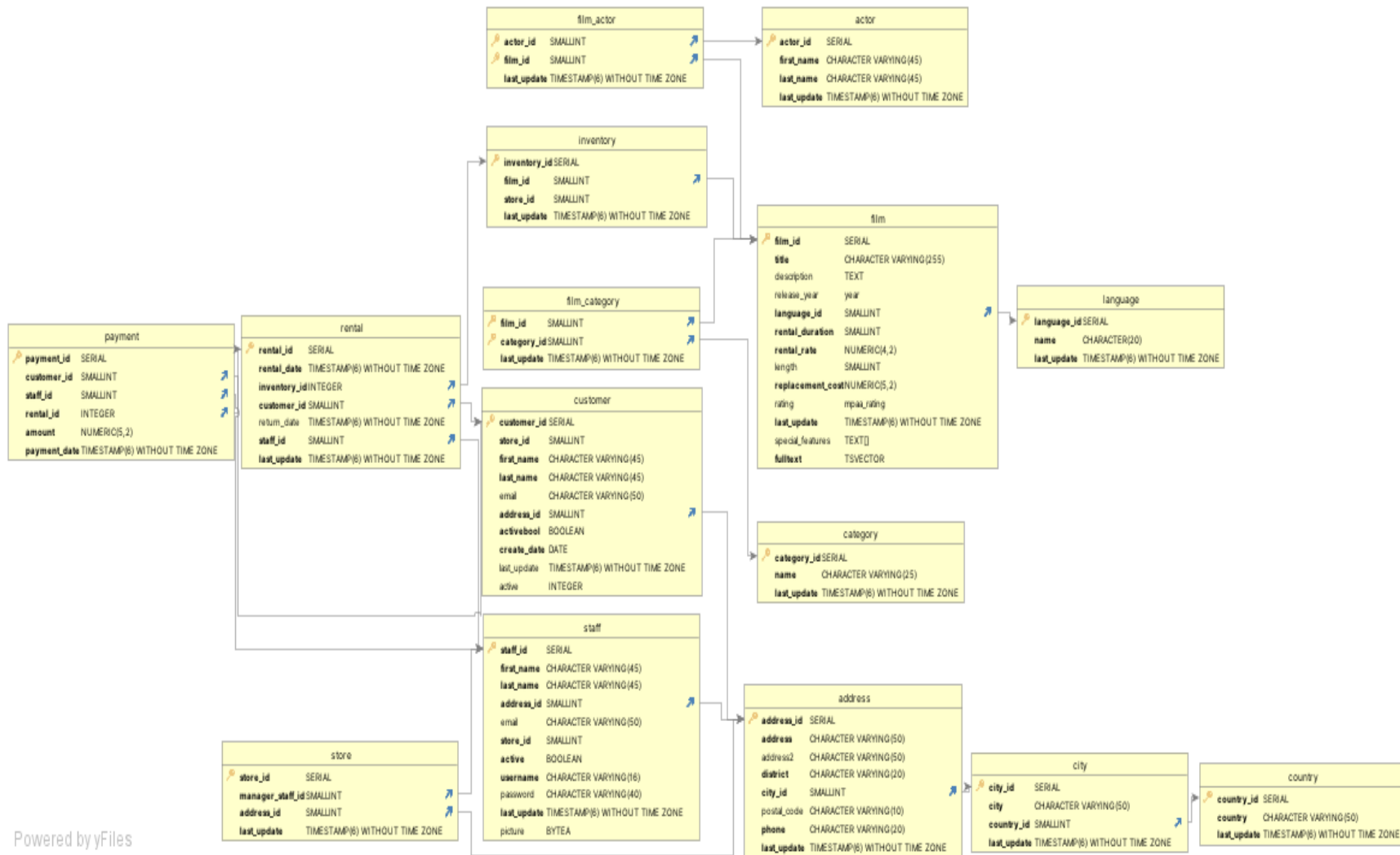
DATA DICTIONARY

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# Entity Relationship Diagram



# Fact Tables

## Payment

Columns	Data Type	Description
payment_id	SERIAL	Primary key: Unique payment transaction identifier
customer_id	SMALLINT	Foreign key: Unique customer identifier
staff_id	SMALLINT	Foreign key: Unique staff member identifier
rental_id	INTEGER	Foreign key: Unique rental identifier
amount	NUMERIC(5,2)	Price of rental
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment

### Payment Links to:

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

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## Rental

Columns	Data Type	Description
rental_id	SERIAL	Primary key: Unique rental identifier
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental
inventory_id	INTEGER	Foreign key: Unique inventory item identifier
customer_id	SMALLINT	Foreign key: Unique customer identifier
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental return
staff_id	SMALLINT	Foreign key: Unique staff member identifier
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when record was last updated

### Rental Links to:

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

**Rental Links from:**

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

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## Dimension Tables

### Store

Columns	Data Type	Description
store_id	SERIAL	<u>Primary key</u> : Unique store identifier
manager_staff_id	SMALLINT	<u>Foreign key</u> : Unique staff member identifier
address_id	SMALLINT	<u>Foreign key</u> : Unique address identifier
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when record was last updated

**Store Links to:**

Table	Join	Description
staff	store.manager_staff_id = staff.staff_id	Foreign key referencing manager's staff_id
address	store.address_id = address.address_id	Foreign key referencing address_id

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### Staff

Columns	Data Type	Description
staff_id	SERIAL	<u>Primary key</u> : Unique staff identifier
first_name	CHARACTER VARYING(45)	First name of staff member
last_name	CHARACTER VARYING(45)	Last name of staff member
address_id	SMALLINT	<u>Foreign key</u> : Unique address identifier
email	CHARACTER VARYING(50)	Email address of staff member
store_id	SMALLINT	Unique number to identify store
active	BOOLEAN	Denotes if staff member is currently employed
username	CHARACTER VARYING(16)	Username of staff member
password	CHARACTER VARYING(40)	Password of staff member
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated
picture	BYTEA	Photo id of staff member

**Staff Links to:**

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

**Staff Links from:**

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

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## Customer

Columns	Data Type	Description
customer_id	SERIAL	Primary key: Unique customer identifier
store_id	SMALLINT	Unique number to identify store
first_name	CHARACTER VARYING(45)	First name of customer
last_name	CHARACTER VARYING(45)	Last name of customer
email	CHARACTER VARYING(50)	Email address of customer
address_id	SMALLINT	Foreign key: Unique address identifier
activebool	BOOLEAN	Denotes if customer is active or not
create_date	DATE	Date when customer record was created
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated
active	INTEGER	Integer to denote if customer is active or not

**Customer Links to:**

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

**Customer Links from:**

Table	Join	Description
payment	payment.customer_id = customer.customer_id	Foreign key referencing customer_id
rental	rental.customer_id = customer.customer_id	Foreign key referencing customer_id

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## Film Category

Columns	Data Type	Description
film_id	SMALLINT	Foreign key: Unique film identifier
category_id	SMALLINT	Foreign key: Unique category identifier
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

**Film Category Links to:**

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

## Inventory

Columns	Data Type	Description
inventory_id	SERIAL	<u>Primary key</u> : Unique inventory item identifier
film_id	SMALLINT	<u>Foreign key</u> : Unique film identifier
store_id	SMALLINT	Unique number to identify store
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

### Inventory Links to:

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

### Inventory Links from:

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

## Film Actor

Columns	Data Type	Description
actor_id	SMALLINT	<u>Foreign key</u> : Unique actor identifier
film_id	SMALLINT	<u>Foreign key</u> : Unique film identifier
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

### Film Actor Links to:

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

## Actor

Columns	Data Type	Description
actor_id	SERIAL	<u>Primary key</u> : 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 TIMEZONE	Date when record was last updated
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#### Actor Links from:

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

## Film

Columns	Data Type	Description
film_id	SERIAL	<u>Primary key</u> : Unique film identifier
title	CHARACTER VARYING(255)	Title of film
description	TEXT	Summary of film
release_year	year	Year when film was released
language_id	SMALLINT	<u>Foreign key</u> : Unique language identifier
rental_duration	SMALLINT	Length of movie rental in days
rental_rate	NUMERIC(4,2)	Cost to rent film
length	SMALLINT	Length of film in minutes
replacement_cost	NUMERIC(5,2)	Cost to replace lost/damaged film
rating	mpaa_rating	Content rating of film by MPAA
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated
special_features	TEXT[]	List of special features film contains
fulltext	TSVECTOR	Extra information about film

#### Film Links to:

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

#### Film Links from:

Table	Join	Description
film_actor	film_actor.film_id = film.film_id	Foreign key referencing film_id
inventory	inventory.film_id = film.film_id	Foreign key referencing film_id
film_category	film_category.film_id = film.film_id	Foreign key referencing film_id

## Category

Columns	Data Type	Description
category_id	SERIAL	<u>Primary key</u> : Unique category identifier
name	CHARACTER VARYING(25)	Name of category
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated



**Category Links from:**

Table	Join	Description
film_category	film_category.category_id = category.category_id	Foreign key referencing category_id

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## Address

Columns	Data Type	Description
address_id	SERIAL	Primary key: Unique address identifier
address	CHARACTER VARYING(50)	Address information
address2	CHARACTER VARYING(50)	Extra address information
district	CHARACTER VARYING(20)	Name of district
city_id	SMALLINT	Foreign key: Unique city identifier
postal_code	CHARACTER VARYING(10)	Address postal code
phone	CHARACTER VARYING(20)	Phone number of address
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

**Address Links to:**

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

**Address Links from:**

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

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## Language

Columns	Data Type	Description
language_id	SERIAL	Primary key: Unique language identifier
name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

**Language Links from:**

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

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## City

Columns	Data Type	Description
city_id	SERIAL	Primary key: Unique city identifier
city	CHARACTER VARYING(50)	Name of city
country_id	SMALLINT	Foreign key: Unique country identifier
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

### City Links to:

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

### City Links from:

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

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## Country

Columns	Data Type	Description
country_id	SERIAL	Primary key
country	CHARACTER VARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date when record was last updated

### Country Links from:

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