

A decorative border of yellow stars with black outlines, arranged in a rectangular frame around the central text.

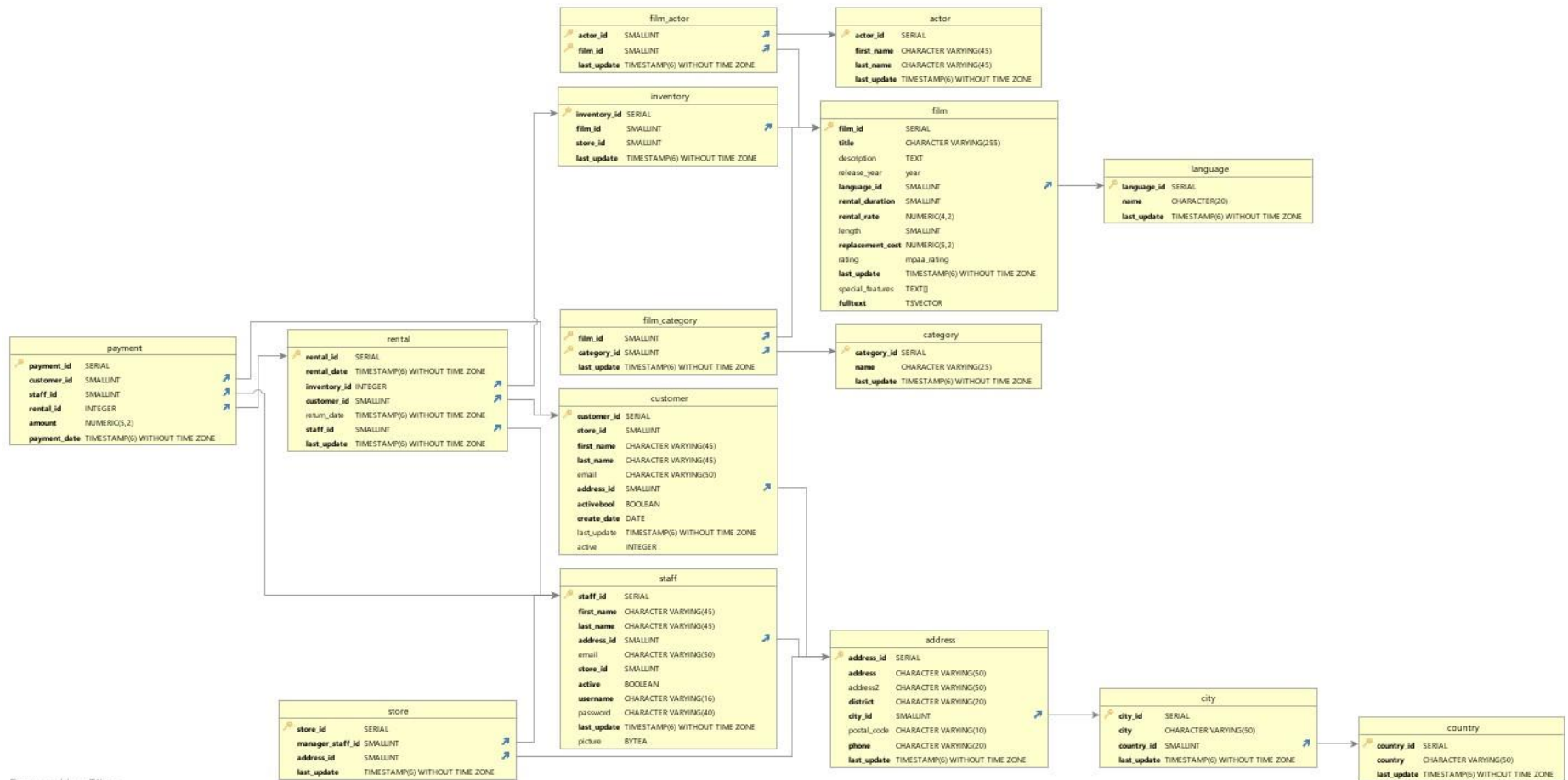
# **Rockbuster Stealth LLC**

## **Data Dictionary**

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# Entity Relationship Diagram (ERD)



## Fact Tables

### 2.a Payment Table

Key	Column	Data Type	Description
Primary Key	payment_id	SERIAL	Unique identifier for payment
Foreign Key	customer_id	SMALLINT	Unique identifier for customer
Foreign Key	staff_id	SMALLINT	Unique identifier for staff
Foreign Key	rental_id	INTEGER	Unique identifier for rental
	amount	NUMERIC(5,2)	Amount value
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Payment date and time without time zone

#### Links To:

Table	Link
Customer	payment.customer_id=customer.customer_id
Staff	payment.staff_id=staff.staff_id
Rental	payment.rental_id=rental.rental_id

#### Links From: N/A

## 2.b Rental Table

Key	Column	Data Type	Description
Primary Key	rental_id	SERIAL	Unique identifier for rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Rental date and time without time zone
Foreign Key	inventory_id	INTEGER	Unique identifier for inventory
Foreign Key	customer_id	SMALLINT	Unique identifier for customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Return date and time without time zone
Foreign Key	staff_id	SMALLINT	Unique identifier for staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

### Links To:

Table	Link
Inventory	rental.inventory_id=inventory.inventory_id
Customer	rental.customer_id=customer.customer_id
Staff	rental.staff_id=staff.staff_id

### Links From:

Table	Link
Payment	payment.rental_id=rental.rental_id

## Dimension Tables

### 3.a Actor Table

Key	Column	Data Type	Description
Primary Key	Actor_id	SERIAL	Unique identifier of the actor
	first_name	CHARACTER VARYING (45)	First name of the actor
	last_name	CHARACTER VARYING (45)	Last name of the actor
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

**Links To: N/A**

**Links From:**

Table	Link
Film Actor	film_actor.actor_id=actor.actor_id

### 3.b Film Actor Table

Key	Column	Data Type	Description
Primary Key, Foreign Key	actor_id	SMALLINT	Unique identifier for actor
Primary Key, Foreign Key	film_id	SMALLINT	Unique identifier for the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

#### Links To:

Table	Link
Actor	film_actor.actor_id=actor.actor_id
Film	film_actor.film_id=film.film_id

#### Links From: N/A

### 3.c Category Table

Key	Column	Data Type	Description
Primary Key	category_id	SERIAL	Unique identifier for the category
	name	CHARACTER VARYING (25)	Name of the category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

**Links To: N/A**

**Links From:**

Table	Link
Film Category	film_category.category_id=category.category_id



### 3.d Film Table

Key	Column	Data Type	Description
Primary Key	film_id	SERIAL	Unique identifier for the film
	title	CHARACTER VARYING (255)	Title of the film
	description	TEXT	Description of the film
	release_year	year	Year the film was released
Foreign Key	language_id	SMALLINT	Unique identifier for the language
	rental_duration	SMALLINT	The length of time the film was rented
	rental_rate	NUMERIC(4,2)	The rental rate for one night
	length	SMALLINT	The length of the film
	replacement_cost	NUMERIC(5,2)	The cost to replace the film if it goes missing
	rating	mpaa_rating	The rating of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone
	special_features	TEXT	The special features in the film
	fulltext	TSVECTOR	The index type, full-text index

#### Links To:

Table	Link
Language	film_language_id=language.language_id

#### Links From:

Table	Link
Film Actor	film_actor.film_id=film.film_id
Inventory	inventory.film_id=film.film_id
Film Category	film_category.film_id=film.film_id

### 3.e Film Category Table

Key	Column	Data Type	Description
Primary Key, Foreign Key	film_id	SMALLINT	Unique identifier for the film
Primary Key, Foreign Key	category_id	SMALLINT	Unique identifier for the film category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

#### Links To:

Table	Link
Film	film_category.film_id=film.film_id
Category	film_category.category_id=category.category_id

#### Links From: N/A

### 3.f Inventory Table

Key	Column	Data Type	Description
Primary Key	inventory_id	SMALLINT	Unique identifier for the inventory item
Foreign Key	film_id	SMALLINT	Unique identifier for the film
Foreign Key	store_id	SMALLINT	Unique identifier for the store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

#### Links To:

Table	Link
Film	inventory.film_id=film.film_id

#### Links From:

Table	Link
Rental	rental.inventory_id=inventory.inventory_id

### 3.g Language Table

Key	Column	Data Type	Description
Primary Key	Language_id	SERIAL	Unique identifier for the language
	name	CHARACTER (20)	Name of the language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

**Links To: N/A**

**Links From:**

Table	Link
Film	film.language_id=language.language_id

### 3.h Customer Table

Key	Column	Data Type	Description
Primary Key	customer_id	SERIAL	Unique identifier for customer
Foreign Key	store_id	SMALLINT	Unique identifier for the store
	first_name	CHARACTER VARYING (45)	First name of the customer
	last_name	CHARACTER VARYING (45)	Last name of the customer
	email	CHARACTER VARYING (50)	Email for the customer
Foreign Key	address_id	SMALLINT	Address for the customer
	activebool	BOOLEAN	Lets us know if the customer status is active
	create_date	DATE	Date when the customer's account was created in the system
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone
	active	INTEGER	Whole number

#### Links To:

Table	Link
Address	customer.address_id=address.address_id

#### Links From:

Table	Link
Rental	rental.customer_id=customer.customer_id
Payment	payment.customer_id=customer.customer_id

### 3.i Staff Table

Key	Column	Data Type	Description
Primary Key	staff_id	SERIAL	Unique identifier for the staff
	first_name	CHARACTER VARYING (45)	First name of the staff member
	last_name	CHARACTER VARYING (45)	Last name of the staff member
Foreign Key	address_id	SMALLINT	Address for the staff member
	email	CHARACTER VARYING (50)	Email for the staff member
Foreign Key	store_id	SMALLINT	Unique identifier for the store
	active	BOOLEAN	Is the employment status 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 update and time without time zone
	picture	BYTEA	Picture of staff member

#### Links To:

Table	Link
Address	staff.address_id=address.address_id

#### Links From:

Table	Link
Store	store.manager_staff_id=staff.staff_id
Rental	rental.staff_id=staff.staff_id
Payment	payment.staff_id=staff.staff_id

### 3.j Store Table

Key	Column	Data Type	Description
Primary Key	store_id	SERIAL	Unique identifier for the store
Foreign Key	manager_staff_id	SMALLINT	Unique identifier for the management staff
Foreign Key	address_id	SMALLINT	Unique identifier for the address of the store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

#### Links To:

Table	Link
Staff	store.manager_staff_id=staff.staff_id
Address	store.address_id=address.address_id

#### Links From: N/A

### 3.k Address Table

Key	Column	Data Type	Description
Primary Key	address_id	SERIAL	Unique identifier for the address
	address	CHARACTER VARYING (50)	First line of the address
	address2	CHARACTER VARYING (50)	Second line of the address
	district	CHARACTER VARYING (20)	The region of the address
Foreign Key	city_id	SMALLINT	The city in the address
	postal_code	CHARACTER VARYING (10)	The zip code for the address
	phone	CHARACTER VARYING (20)	The phone number for the address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

#### Links To:

Table	Link
City	address.city_id=city.city_id

#### Links From:

Table	Link
Customer	customer.address_id=address.address_id
Staff	staff.address_id=address.address_id
Store	store.address_id=address.address_id



### 3.I City Table

Key	Column	Data Type	Description
Primary Key	city_id	SERIAL	Unique identifier for the city
	city	CHARACTER VARYING (50)	Name of the city
Foreign Key	country_id	SMALLINT	Unique identifier for the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

#### Links To:

Table	Link
Country	city.country_id=country.country_id

#### Links From:

Table	Link
Address	address.city_id=city.city_id

### 3.m Country Table

Key	Column	Data Type	Description
Primary Key	country_id	SERIAL	Unique identifier for the country
	country	CHARACTER VARYING (50)	Name of the country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update and time without time zone

**Links To: N/A**

**Links From:**

Table	Link
City	city.country_id=country.country_id