

A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from the bar, containing the date.

1/26/2024

# Rockbuster Stealth LLC

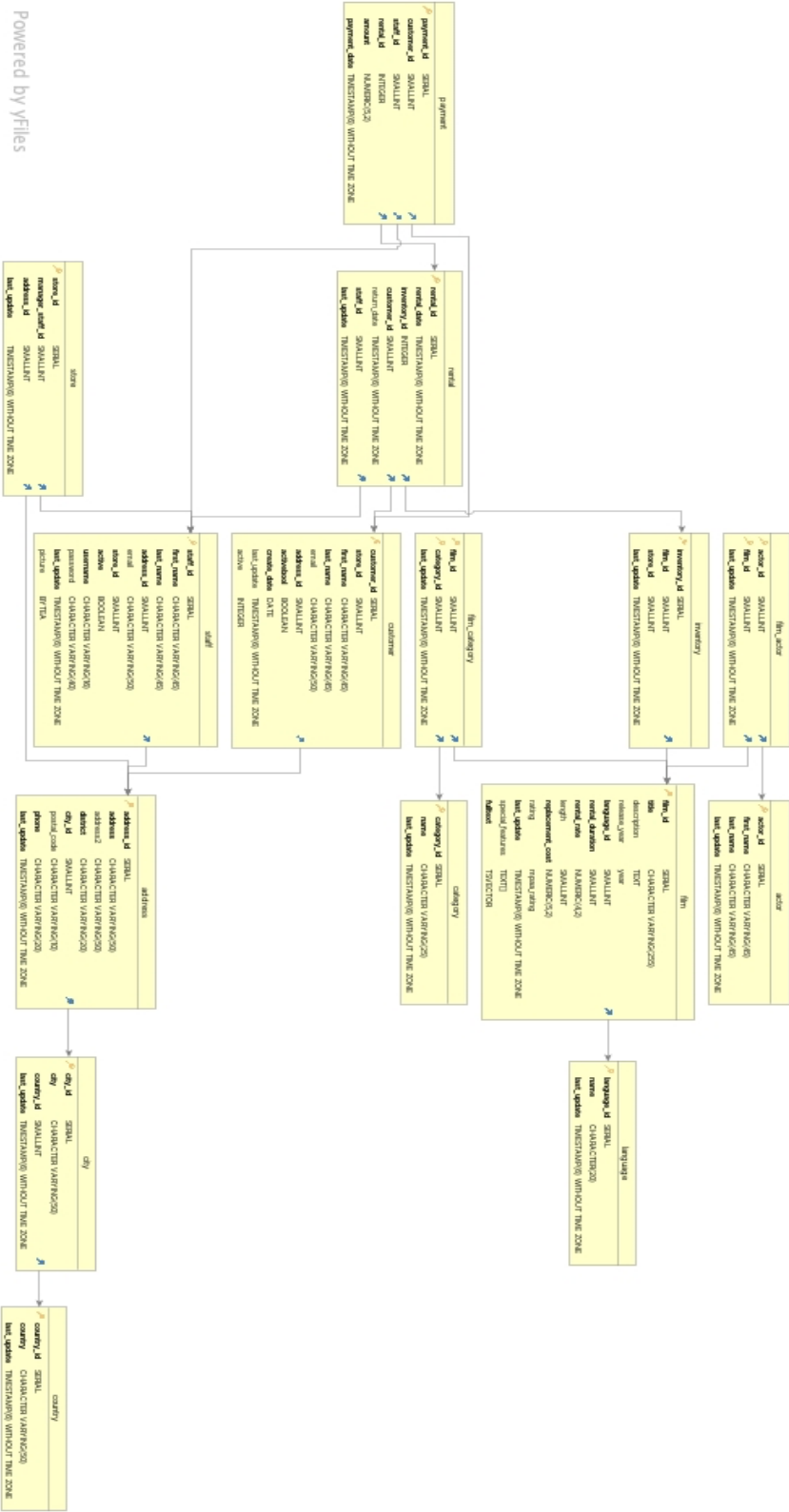
## Data Dictionary

Three thin, curved lines in dark blue and light grey sweep upwards from the bottom left corner of the page.



Greta Lawani

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# 1. Entity Relationship Diagram (ERD)







## 2. Tables

	Primary Key
	Foreign Key

### Fact Table

#### *Rental*

	Columns	Data Type	Description
	rental_id	SERIAL	Unique # assigned to each movie rental
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the movie rental occurred
	inventory_id	INTEGER	Unique # assigned to each movie in the inventory
	customer_id	SMALLINT	Unique # assigned to each customer
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the movie rental was returned
	staff_id	SMALLINT	Unique # assigned to each staff member
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated

#### Links to:





Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

#### Links from:

Table	Join
payment	payment.rental_id = rental.rental_id

## Dimension Tables




### *Payment*

	Columns	Data Type	Description
	payment_id	SERIAL	Unique # assigned to each payment
	customer_id	SMALLINT	Unique # assigned to each customer
	staff_id	SMALLINT	Unique # assigned to each staff member
	rental_id	INTEGER	Unique # assigned to each movie rental
	amount	NUMERIC (5,2)	\$ amount of each rental
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the payment was made

Links to:

Table	Join
customer	payment.customer_id = customer.customer_id
staff	paymentl.staff_id = staff.staff_id
rental	payment.rental_id = rental.rental_id

### *Store*

	Columns	Data Type	Description
	store_id	SERIAL	Unique # assigned to each store
	manager_staff_id	SMALLINT	Unique # assigned to each manager at the store
	address_id	SMALLINT	Unique # assigned to each store identifying the store's address
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated




Links to:

Table	Join
address	store.address_id = address.address_id
staff	store.staff_id = staff.staff_id

Links from:

Table	Join
staff	staff.store_id = store.store_id
customer	customer.store_id = store.store_id
inventory	inventory.store_id = store.store_id

## Customer

	Columns	Data Type	Description
	customer_id	SERIAL	Unique # assigned to each customer
	store_id	SMALLINT	Unique # assigned to each store
	first_name	CHARACTER VARYING (45)	First name of each unique customer
	last_name	CHARACTER VARYING (45)	Last name of each unique customer
	email	CHARACTER VARYING (50)	Email address for each unique customer
	address_id	SMALLINT	Unique # assigned to each customer identifying the customer's address
	activebool	BOOLEAN	Is the customer active? True or False response
	create_date	DATE	The date the customer's account was created
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated
	active	INTEGER	0 or 1 indicates the customer's active status



Links to:

Table	Join
address	customer.address_id = address.address_id
store	customer.store_id = store.store_id

Links from:

Table	Join
rental	rental.customer_id = customer.customer_id
payment	payment.customer_id = customer.customer_id



### Film Actor

	Columns	Data Type	Description
	actor_id	SMALLINT	Unique # assigned to each actor
	film_id	SMALLINT	Unique # assigned to each film
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated

Links to:

Table	Join
actor	actor.actor_id = film_actor.actor_id
film	film.film_id = film_actor.film_id



### Film Category

	Columns	Data Type	Description
	actor_id	SMALLINT	Unique # assigned to each actor
	film_id	SMALLINT	Unique # assigned to each film
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated

Links to:

Table	Join
film	film_category.film_id = film.film_id
category	film_category.store_id = category.store_id

### Staff

	Columns	Data Type	Description
	staff_id	SERIAL	Unique # assigned to each staff member
	first_name	CHARACTER VARYING (45)	First name of each unique staff member
	last_name	CHARACTER VARYING (45)	Lat name of each unique staff member
	address_id	SMALLINT	Unique # assigned to each staff member identifying their address
	email	CHARACTER VARYING (50)	Email address for each unique staff member
	store_id	SMALLINT	Unique # assigned to each store
	active	BOOLEAN	Is the staff member active? True or False response

	username	CHARACTER VARYING (16)	Username for each staff member
	password	CHARACTER VARYING (40)	Password for each staff member
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated
	picture	BYTEA	Photo of each staff member, if available


Links to:

Table	Join
address	staff.address_id = address.address_id

Links from:

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.customer_id = rental.customer_id
store	store.manager_staff_id = staff.staff_id



### Actor

	Columns	Data Type	Description
	actor_id	SERIAL	Unique # assigned to each actor
	first_name	CHARACTER VARYING (45)	First name of each unique actor
	last_name	CHARACTER VARYING (45)	Last name of each unique actor
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated

Links to:

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

### Film

	Columns	Data Type	Description
	film_id	SERIAL	Unique # assigned to the film
	title	CHARACTER VARYING (255)	Title of the film
	description	TEXT	Film description
	release_year	year	The year the film was released
	language_id	SMALLINT	Unique # assigned to each film to identify the film's language



	rental_duration	SMALLINT	The number of days the movie was rented for
	rental_rate	NUMERIC (4,2)	\$ amount the film was rented for
	length	SMALLINT	# of minutes of each film
	replacement_cost	NUMERIC (5,2)	\$ amount to replace the film
	rating	mpaa_rating	Each film's rating (i.e. G, PG, PG 13, etc.)
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated
	special_features	TEXT []	The special features included with each film
	fulltext	TSVECTOR	Keywords linked to each film that a customer may use in searching for the film




Links to:

Table	Join
language	film.language_id = language.language_id

Links from:

Table	Join
film_actor	film.actor_id = film.film_id
inventory	inventory.film_id = film.film_id
film_category	film_category.film_id = film.film_id

### Inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	Unique # assigned to each movie in the inventory
	film_id	SMALLINT	Unique # assigned to each film
	store_id	SMALLINT	Unique # assigned to each store
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated


Links to:

Table	Join
film	inventory.film_id = film.film_id
store	inventory.store_id = store.store_id

Links from:

Table	Join
rental	rental.inventory_id = inventory.inventory_id


### Category

	Columns	Data Type	Description
	category_id	SERIAL	Unique # assigned to each category
	name	CHARACTER VARYING (25)	Category name
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated

Links from:

Table	Join
film_category	film_category.category_id = category.category_id



### Language

	Columns	Data Type	Description
	language_id	SERIAL	Unique # assigned to each film to identify the film's language
	name	CHARACTER (20)	Language name
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated

Links from:

Table	Join
film	film.language_id = language.language_id

### Address

	Columns	Data Type	Description
	address_id	SERIAL	Unique # assigned to each store, staff, member, and customer identifying their address
	address	CHARACTER VARYING (50)	Street address
	address2	CHARACTER VARYING (50)	2nd part of the address for apartment #'s, Suite #'s, Unit #'s, etc.
	district	CHARACTER VARYING (20)	State, province, or territory of the address
	city_id	SMALLINT	Unique # assigned to the city

	postal_code	CHARACTER VARYING (10)	Postal code for each address
	phone	CHARACTER VARYING (20)	Phone number for each address
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated



Links to:

Table	Join
city	address.city_id = city.city_id

Links from:

Table	Join
customer	customer.address_id = address.address_id
staff	staff.address_id = address.address_id
store	store.address_id = address.address_id

### City

	Columns	Data Type	Description
	city_id	SERIAL	Unique # assigned to each city
	city	CHARACTER VARYING (45)	Name of the city
	country_id	SMALLINT	Unique # assigned to each country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated


Links to:

Table	Join
country	city.country_id = country.country_id

Links from:

Table	Join
country	country.country_id = city.country_id
address	address.country_id = city.city_id

### Country

	Columns	Data Type	Description
	country_id	SERIAL	Unique # assigned to each country
	country	CHARACTER VARYING (50)	Name of the country

	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of when the table was last updated
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Links from:

Table	Join
city	city.country_id = country.country_id