



# ROCKBUSTER STEALTH LLC

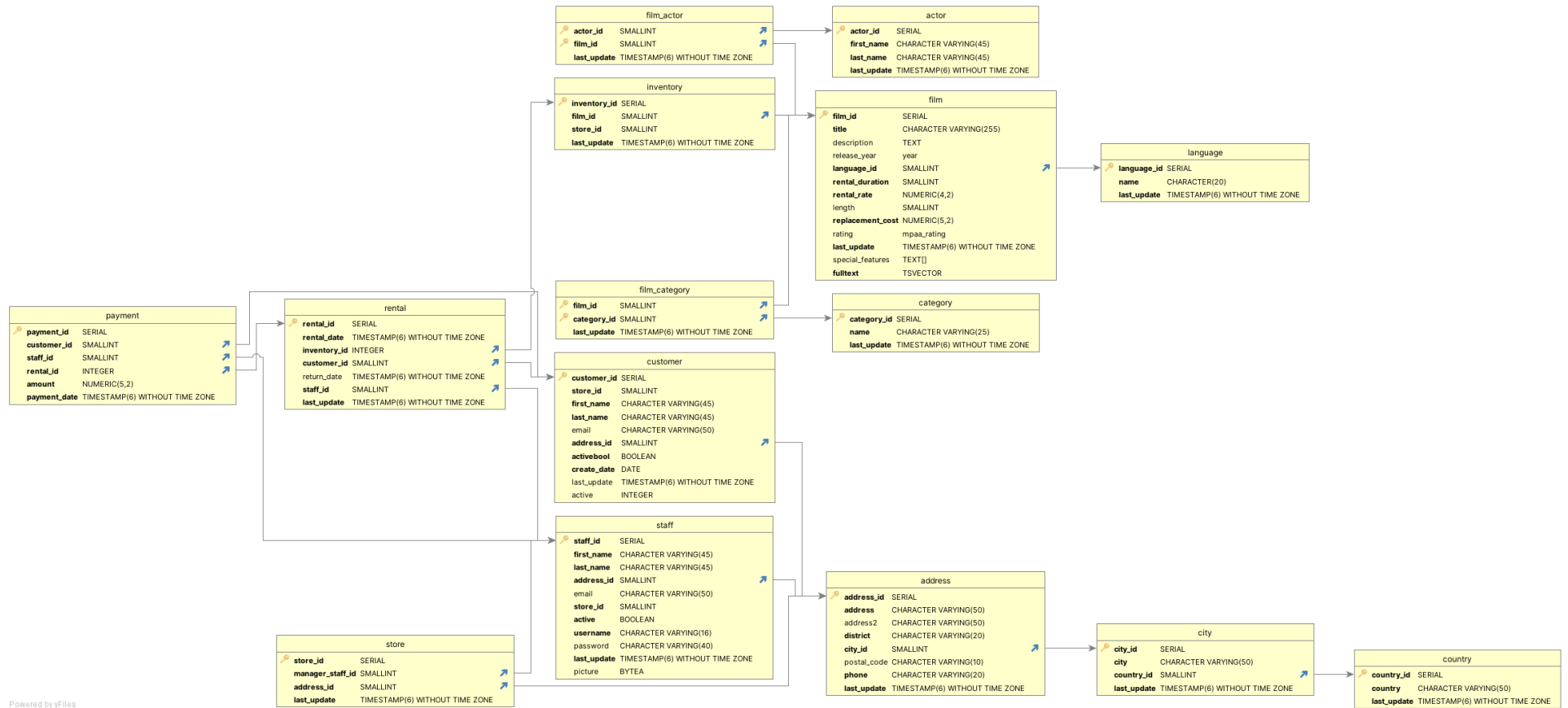
Data Dictionary

Quinn Ha

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## 1. ENTITY RELATION DIAGRAM







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## 2. LEGEND




	Primary key		Link to
	Foreign key		Link from

## 3. FACT TABLES


### 3.1. Rental

	Column	Data Type	Description
	rental_id	SERIAL	A unique number of each rental
	rental_date	TIMESTAMP (6) WITHOUT THE TIMEZONE	The date the movies were rented
	inventory_id	INTEGER	A unique number that links to the inventory table to retrieve inventory details
	customer_id	SMALLINT	A unique number for customer details
	return_date	TIMESTAMP (6) WITHOUT THE TIMEZONE	The date the movies returned
	staff_id	SMALLINT	A unique number for staff details
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the transactions were 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

Link from:

	Table	Join
	payment	payment.rental_id = rental.rental_id

### 3.2. Payment

	Column	Data Type	Description
	payment_id	SERIAL	A unique number of each payment
	customer_id	SMALLINT	A unique number for customer details
	staff_id	SMALLINT	A unique number for staff details
	rental_id	INTEGER	A unique number of each rental
	amount	NUMBER (5,2)	The price of each payment
	payment_date	TIMESTAMP (6) WITHOUT THE TIMEZONE	The date of the transaction

Links to:

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

## 4. DIMENSION TABLES

### 4.1. Film\_actor

	Column	Data type	Description
↔	actor_id	SMALLINT	A unique number of each actor
↔	film_id	SMALLINT	A unique number of each film
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about this combination was updated

Links to:

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

### 4.2. Inventory

	Column	Data type	Description
🔑	inventory_id	SERIAL	A unique number of each inventory
↔	film_id	SMALLINT	A unique number of each film
↔	store_id	SMALLINT	A unique number of each store
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about inventory is updated

Link to:

	Table	Join
↗	film	inventory.film_id = film.film_id

Link from:

	Table	Join
↖	rental	rental.inventory_id = inventory.inventory_id
↖	film_category	film_category.film_id = inventory.film_id

### 4.3. Actor

	Column	Data type	Description
🔑	actor_id	SERIAL	A unique number of each 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 THE TIMEZONE	The latest date the information about the actor was updated

Link from:

	Table	Join
↙	film_actor	film_actor.actor_id = actor.actor_id

### 4.4. Film

	Column	Data type	Description
🔑	film_id	SERIAL	A unique number of each film
	title	CHARACTER VARYING (255)	The title of each film
	description	TEXT	A short description of the film
	release_year	year	The year in which the film was published
↔	language_id	SMALLINT	A unique number of the main languages of each film
	rental_duration	SMALLINT	The duration of each rental
	rental_rate	NUMERIC (4,2)	The rating of each rental
	length	SMALLINT	The length of each film
	replacement_cost	NUMERIC (5,2)	The cost of replacing the film
	rating	mpaa_rating	The rating of each film
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the film was updated
	special_features	TEXT[]	Special features of each film
	fulltext	TSVECTOR	Searchable terms related to the film and its plot

Link to:

	Table	Join
↗	language	film.language_id = language.language_id

Link from:

	Table	Join
↙	inventory	inventory.film_id = film.film_id
↙	film_category	film_category.film_id = film.film_id

#### 4.5. Language

	Column	Data type	Description
🔑	language_id	SERIAL	A unique number of the main languages of each film
	name	CHARACTER (20)	The name of the language
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the language was updated

Link from:

	Table	Join
↙	film	film.language_id = language.language_id

#### 4.6. Film\_category

	Column	Data type	Description
↔	film_id	SMALLINT	A unique number of each film
↔	category_id	SMALLINT	A unique number of each category
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date this type of information is updated

Link to:

	Table	Join
↗	film	film_category.film_id = film.film_id
↗	category	film_category.category_id = category.category_id

#### 4.7. Category

	Column	Data type	Description
🔑	category_id	SERIAL	A unique number of each category
	name	CHARACTER VARYING (25)	The name of each category
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the category is updated

Link from:

	Table	Join
↙	film_category	film_category.category_id = category.category_id

#### 4.8. Customer

	Column	Data type	Description
🔑	customer_id	SERIAL	A unique number of each customer

	store_id	SMALLINT	A unique number of each 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)	The email of each customer
↔	address_id	SMALLINT	A unique number of the customer's address
	active bool	BOOLEAN	Active status true or false
	create_date	DATE	The date the information about the customer was created
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the customer is updated
	active	INTEGER	if the customer account is active

Link to:

	Table	Join
↗	address	customer.address_id = address.address_id

Link from:

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

#### 4.9. Staff

	Column	Data type	Description
🔑	staff_id	SERIAL	A unique number of staff
	first_name	CHARACTER VARYING (45)	First name of the staff
	last_name	CHARACTER VARYING (45)	Last name of the staff
↔	address_id	SMALLINT	A unique number of the staff's address
	email	CHARACTER VARYING (50)	The email of each staff
	store_id	SMALLINT	A unique number of each store
	active	BOOLEAN	Active status true or false
	username	CHARACTER VARYING (16)	The username of each staff
	password	CHARACTER VARYING (40)	The password to each staff's username
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the staff is updated
	picture	BYTEA	The image of the staff

Link to:

	Table	Join
↗	address	staff.address_id = address.address_id

Link from:



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

#### 4.10. Store

	Column	Data type	Description
🔑	store_id	SERIAL	A unique number of each store
↔	manager_staff_id	SMALLINT	A unique number of the store manager staff
↔	address_id	SMALLINT	A unique number of each store
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the store is updated

Link to:

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

#### 4.11. Address

	Column	Data type	Description
🔑	address_id	SERIAL	A unique number for each address
	address	CHARACTER VARYING (50)	The first line of the address, usually the number and street name
	address2	CHARACTER VARYING (50)	The second line of the address
	District	CHARACTER VARYING (20)	The name of the district
↔	city_id	SMALLINT	A unique number of each city
	postal_code	CHARACTER VARYING (10)	The postal code of each city
	phone	CHARACTER VARYING (20)	The details of the phone number
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the address is updated

Link to:

	Table	Join
↗	city	address.city_id = city.city_id

Link from:

	Table	Join
✓	customer	customer.address_id = address.address_id

↙	staff	staff.address_id = address.address_id
↙	store	store.address_id = address.address_id

#### 4.12. City

	Column	Data type	Description
🔑	city_id	SERIAL	A unique number of each city
	City	CHARACTER VARYING (50)	The name of the city
↔	country_id	SMALLINT	A unique number of each country
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the city is updated

Link to:

	Table	Join
↗	country	city.country_id = country.country_id

Link from:

	Table	Join
↙	address	address.city_id = city.city_id

#### 4.13. Country

	Column	Data type	Description
🔑	country_id	SERIAL	A unique number of each country
	country	CHARACTER VARYING (50)	The name of the country
	last_update	TIMESTAMP (6) WITHOUT THE TIMEZONE	The latest date the information about the country is updated

Link from:

	Table	Join
↙	city	city.country_id = country.country_id