ROCKBUSTER

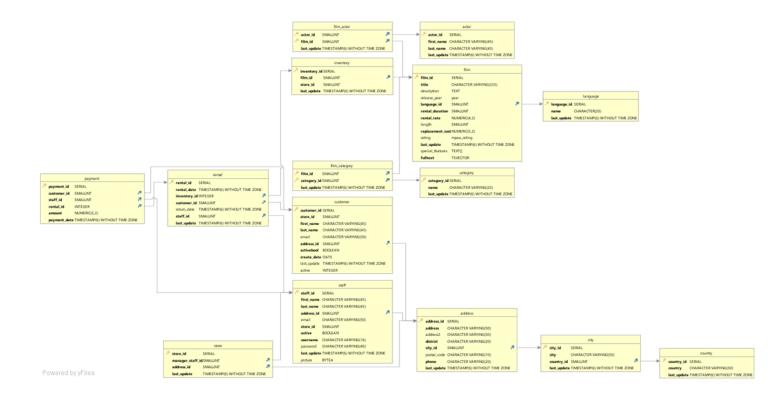## Data Dictionary

Seda Aslan

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2. Data Tables

2.1. Payment Tables

2.1.1. Table: payment

	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	Amount value
	payment_date	Timestamp without timezone	Payment date

Links to

	Name	Join
➤	rental	payment.rental_id = rental.rental_id
➤	Staff	payment.staff_id = staff.staff_id
➤	customer	payment.customer_id. = customer.customer_id

2.1.2. Table: rental

	Column	Data Type	Description
🔑 Primary key	rental_id	Serial	Unique identifier for rental
	rental_date	Timestamp without timezone	Rental date
🔑 Foreign Key	inventory_id	Integer	Unique identifier for inventory
🔑 Foreign Key	customer_id	Smallint	Unique identifier for customer
	return_date	Timestamp without timezone	Return date
🔑 Foreign Key	staff_id	Smallint	Unique identifier for staff
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
➤	Inventory	rental.inventory_id = inventory.inventory_id
➤	Customer	rental.customer_id = customer.customer_id
➤	staff	rental.staff_id = staff.staff_id

Linked from

	Name	Join
➤	Payment	rental.rental_id = payment.rental_id

2.2. Film Tables

2.2.1. Table: actor

	Column	Data Type	Description
🔑 Primary Key	actor_id	Serial	Unique identifier for actor
	first_name	Character var (45)	First name of actor
	last_name	Character var (45)	Last name of actor
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
✈	language	film.language_id = language.language_id

Linked from

	Name	Join
⤙	Film_actor	film.film_id = film_actor.film_id
⤙	inventory	film.film_id = inventory.film_id
⤙	film_category	film.film_id = film_category.film_id

2.2.2. Table: category

	Column	Data Type	Description
🔑 Primary Key	category_id	Serial	Unique identifier for category
	name	Character var (25)	name of category
	last_update	Timestamp without timezone	Last update time

Linked from

	Name	Join
⤙	film_category	category.category_id = film_category.category_id

2.2.3. Table: film

	Column	Data Type	Description
🔑Primary Key	film_id	Serial	Unique identifier for film
	title	Character var (45)	Title of film
	description	text	Description of film
	release_year	year	Released year
🔑Foreign Key	language_id	Smallint	Unique identifier for language
	rental_duration	Smallint	Duration of rental
	rental_rate	numeric (4.2)	Rate of rental
	length	Smallint	Length of film
	replacement_cost	numeric (4.2)	Cost of replacing
	rating	Mpaa_rating	Rate of rental
	last_update	Timestamp without timezone	Last update time
	special_features	text	Features of film
	fulltext	tsvector	Index for film

Links to

	Name	Join
➤	language	film.language_id = language.language_id

Linked from

	Name	Join
➤	inventory	film.film_id = inventory.film_id
➤	film_actor	film.film_id = film_actor.film_id
➤	film_category	film.film_id = film_category.film_id

2.2.4. Table: film_actor

	Column	Data Type	Description
🔑Primary Key	actor_id	Smallint	Unique identifier for actor
🔑Primary Key	film_id	Smallint	Unique identifier for film
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
➤	actor	film_actor.actor_id = actor.actor_id

	Name	Join
⚔	film_category	film_actor.film_id = film_category.film_id
⚔	inventory	film_actor.film_id = inventory.film_id
⚔	film	film_actor.film_id = film.film_id

2.2.5. Table: film_category

	Column	Data Type	Description
🔑 Primary Key	film_id	Smallint	Unique identifier for film
🔑 Primary Key	category_id	Smallint	Unique identifier for category
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
➤	category	film_category.category_id = category.category_id

Linked from

	Name	Join
⚔	film	film_category.film_id = film.film_id

2.2.6. Table: inventory

	Column	Data Type	Description
🔑 Primary Key	inventory_id	Serial	Unique identifier for inventory
🔑 Foreign Key	film_id	Smallint	Unique identifier for film
🔑 Foreign Key	store_id	Smallint	Unique identifier for store
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
➤	film	inventory.film_id = film.film_id

Linked from

	Name	Join
⚔	rental	inventory.inventory_id = rental.inventory_id

2.2.7. Table: language

	Column	Data Type	Description
🔑 Primary Key	language_id	Serial	Unique identifier for language
	name	Character var (25)	name of category
	last_update	Timestamp without timezone	Last update time

Linked from

	Name	Join
⊀	film	language.language_id = film.language_id

2.3. People Tables

2.3.1. Table: customer

	Column	Data Type	Description
🔑 Primary Key	customer_id	Serial	Unique identifier for customer
🔑 Foreign Key	store_id	Smallint	Unique identifier for store
	first_name	Character var (45)	First name of customr
	last_name	Character var (45)	Last name of customer
	email	Character var (45)	Email of customer
🔑 Foreign Key	address_id	Smallint	Unique identifier for address
	activebool	Boolean	true or false
	create_date	Date	Date when customer is first entered
	last_update	Timestamp without timezone	Last update time
	active	Integer	Active integer

Links to

	Name	Join
⊁	Staff	customer.address_id = rental.address_id

Linked from

	Name	Join
⊀	rental	customer.customer_id = staff.customer_id

2.3.2. Table: staff

	Column	Data Type	Description
🔑 Primary Key	staff_id	Serial	Unique identifier for staff
	first_name	Character var (45)	First name of staff member
	last_name	Character var (45)	Last name of staff member
🔑 Foreign Key	address_id	Smallint	Unique identifier for address
	email	Character var (45)	Email of staff member
🔑 Foreign Key	store_id	Smallint	Unique identifier for store
	active	Boolean	yes or no active or not
	username	Character var (45)	Username of staff member
	password	Character var (45)	Password of staff member
	last_update	Timestamp without timezone	Last update time
	picture	bytea	Picture of staff member

Links to

	Name	Join
✈	address	staff.address_id = address.address_id

Linked from

	Name	Join
↢	customer	staff.address_id = customer.address_id
↢	store	staff.store_id = store.store_id
↢	payment	staff.staff_id = payment.staff_id

2.3.3. Table: store

	Column	Data Type	Description
🔑 Primary Key	store_id	Serial	Unique identifier for store
🔑 Foreign Key	manager_staff_id	Smallint	Unique identifier for manager staff
🔑 Foreign Key	address_id	Smallint	Unique identifier for address
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
✈	staff	store.address_id = staff.address_id
✈	address	store.address_id = address.address_id

2.4. Location Tables

2.4.1. Table: address

	Column	Data Type	Description
🔑 Primary Key	address_id	Serial	Unique identifier for address
	address	Character var (50)	Address
	address2	Character var (50)	Address
	district	Character var (20)	District
🔑 Foreign Key	city_id	Smallint	Unique identifier for city
	postal_code	Character var (10)	Postal code
	phone	Character var (20)	Phone
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
⤛	city	address.city_id = city.city_id

Linked from

	Name	Join
⤙	staff	address.city_id = city.city_id
⤙	store	address.address_id = store.address_id

1.1.1. **Table: city**

	Column	Data Type	Description
🔑 Primary Key	city_id	Serial	Unique identifier for city
	city	Character var (50)	City name
🔑 Foreign Key	country_id	Smallint	Unique identifier for country
	last_update	Timestamp without timezone	Last update time

Links to

	Name	Join
⤛	country	city.city_id = country.city_id

Linked from

	Name	Join
⤙	address	city.city_id = address.city_id

2.4.2. Table: country

	Column	Data Type	Description
🔑 Primary Key	country_id	Serial	Unique identifier for country
	country	Character var (50)	Country name
	last_update	Timestamp without timezone	Last update time

Linked from

	Name	Join
⚡	city	country.city_id = city.city_id