

DATA DICTIONARY

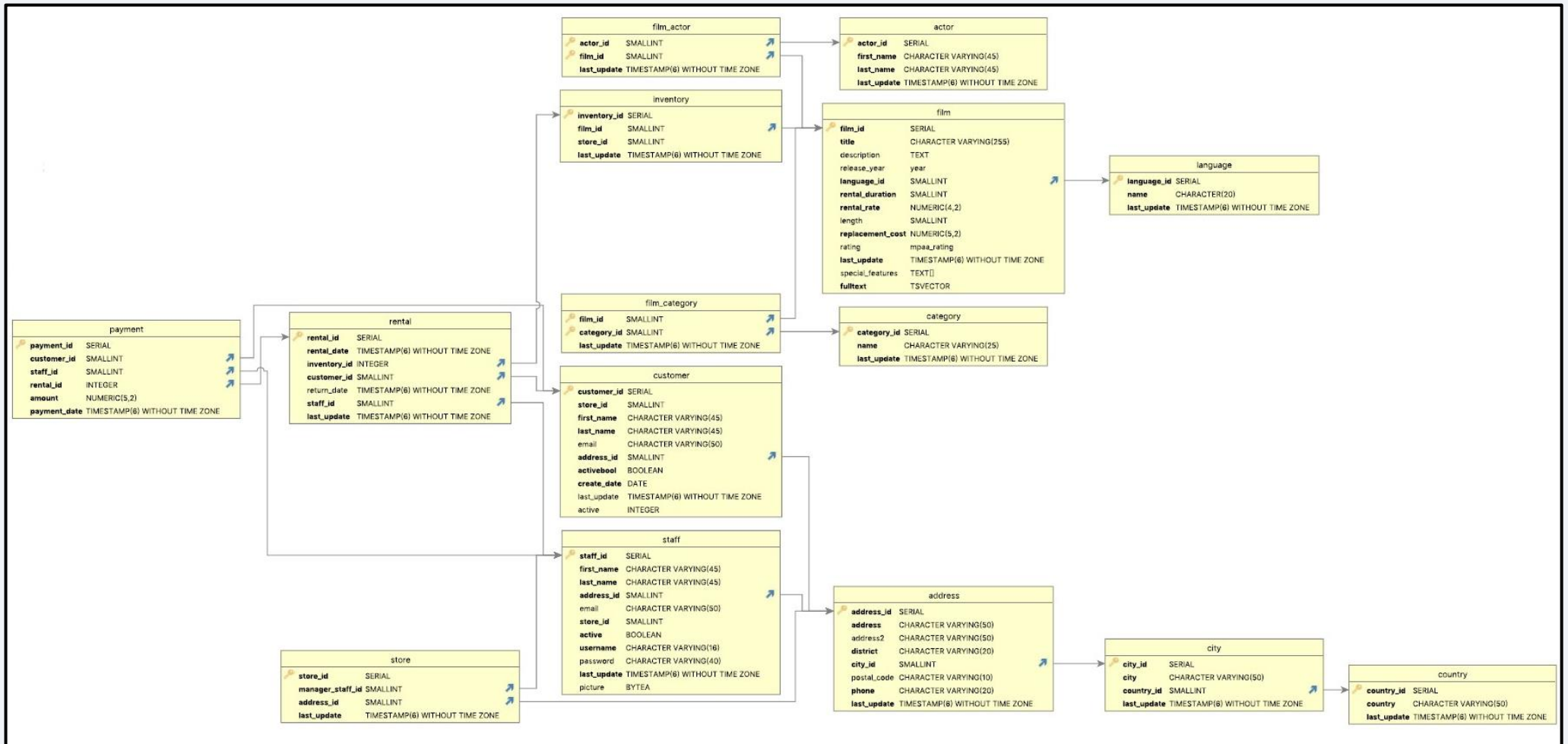
Rockbuster Stealth LLC

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1 Rockbuster Database ERD



2 Fact Tables

2.1 Payment

Table

Key	Columns	Data Type	Description
Primary	payment_id	SERIAL	Unique payment identifier
Foreign	customer_id	SMALLINT	Unique customer identifier
Foreign	staff_id	SMALLINT	Unique staff member identifier
Foreign	rental_id	INTEGER	Unique rental identifier
	amount	NUMERIC(5,2)	Payment amount of rental
	payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of the payment

Links to

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

2.2 Rental

Table

Key	Columns	Data Type	Description
Primary	rental_id	INTEGER	Unique rental identifier
	rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental occurrence
Foreign	inventory_id	INTEGER	Unique inventory identifier
Foreign	customer_id	SMALLINT	Unique customer identifier
	return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of item to be returned
Foreign	staff_id	SMALLINT	Unique staff member identifier
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this 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

Linked from

	Table	Join
←	payment	payment.rental_id = rental.rental_id

3 Dimension Tables

3.1 Actor

Table

Key	Columns	Data Type	Description
Primary	actor_id	SERIAL	Unique actor/actress identifier
	first_name	CHARACTER VARYING(45)	Actor or actress' first name
	last_name	CHARACTER VARYING(45)	Actor or actress' last name
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Linked from

	Table	Join
←	film_actor	film_actor.actor_id = actor.actor_id

3.2 Address

Table

Key	Columns	Data Type	Description
Primary	address_id	SERIAL	Unique store address identifier
	address	CHARACTER VARYING(50)	Store address details
	address2	CHARACTER VARYING(50)	Additional store address details (optional)
	district	CHARACTER VARYING(20)	Name of district store resides in
Foreign	city_id	SMALLINT	Unique city identifier
	postal_code	CHARACTER VARYING(10)	Postal code number
	phone	CHARACTER VARYING(20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Links to

	Table	Join
→	city	address.city_id = city.city_id

Linked from

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

3.3 Category

Table

Key	Columns	Data Type	Description
Primary	category_id	SERIAL	Unique category identifier
	name	CHARACTER VARYING(25)	Name of movie/show category
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Linked from

	Table	Join
←	film_category	film_category.category_id = category.category_id

3.4 City

Table

Key	Columns	Data Type	Description
Primary	city_id	SMALLINT	Unique city identifier
	city	CHARACTER VARYING(50)	Name of city store resides in
Foreign	country_id	SMALLINT	Unique country identifier
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Links to

	Table	Join
→	country	city.country_id = country.country_id

Linked from

	Table	Join
←	address	address.city_id = city.city_id

3.5 Country

Table

Key	Columns	Data Type	Description
Primary	country_id	SMALLINT	Unique country identifier
	country	CHARACTER VARYING(50)	Name of country store resides in
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Linked from

	Table	Join
←	city	city.country_id = country.country_id

3.6 Customer

Table

Key	Columns	Data Type	Description
Primary	customer_id	SERIAL	Unique customer identifier
	store_id	SMALLINT	Unique store identifier
	first_name	CHARACTER VARYING (45)	Customer's first name
	last_name	CHARACTER VARYING (45)	Customer's last name
	email	CHARACTER VARYING (50)	Customer's email address
Foreign	address_id	SMALLINT	Unique store address identifier (for which the customer is at)
	activebool	BOOLEAN	States whether the customer is active or not (TRUE / FALSE)
	create_date	DATE	Data this record was created
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated
	active	INTEGER	Customer's active status (1 = active, 0 = not active)

Links to

	Table	Join
→	address	customer.address_id = address.address_id

Linked from

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

3.7 Film

Table

Key	Columns	Data Type	Description
Primary	film_id	SERIAL	Unique film identifier
	title	CHARACTER VARYING (255)	Title of film
	description	TEXT	Description of film
	release_year	year	Film's year of release
Foreign	language_id	SMALLINT	Unique language of film identifier
	rental_duration	SMALLINT	Length of time film can be rented (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 the film
	rating	mpaa_rating	Film's rating which identifies appropriate age of viewers

Links to

	Table	Join
→	language	film.language_id = language.language_id

Linked from

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

3.8 Film_actor

Table

Key	Columns	Data Type	Description
Foreign	actor_id	SMALLINT	Unique actor/actress identifier
Foreign	film_id	SMALLINT	Unique film identifier
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Links to

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

3.9 Film_category

Table

Key	Columns	Data Type	Description
Foreign	film_id	SMALLINT	Unique film identifier
Foreign	category_id	SMALLINT	Unique category identifier
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Links to

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

3.10 Inventory

Table

Key	Columns	Data Type	Description
Primary	inventory_id	SERIAL	Unique inventory identifier
Foreign	film_id	SMALLINT	Unique film identifier
	store_id	SMALLINT	Unique store identifier
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Links to

	Table	Join
→	film	inventory.film_id = film.film_id

Linked from

	Table	Join
←	rental	rental.inventory_id = inventory.inventory_id

3.11 Language

Table

Key	Columns	Data Type	Description
Primary	language_id	SERIAL	Unique language of film identifier
	name	CHARACTER(20)	Name of film's language
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Linked from

	Table	Join
←	film	film.language_id = language.language_id

3.12 Staff

Table

Key	Columns	Data Type	Description
Primary	staff_id	SERIAL	Unique staff member identifier
	first_name	CHARACTER VARYING (45)	Staff member's first name
	last_name	CHARACTER VARYING (45)	Staff member's last name
Foreign	address_id	SMALLINT	Unique store address identifier (for the store the employee works at)
	email	CHARACTER VARYING (50)	Staff member's email address
	store_id	SMALLINT	Unique store identifier of the store which the staff member works
	active	BOOLEAN	States whether the staff member is currently employed
	username	CHARACTER VARYING (16)	Staff member's username for system
	password	CHARACTER VARYING (40)	Staff member's password for system
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated
	picture	BYTEA	Picture of staff member

Links to

	Table	Join
→	address	staff.address_id = address.address_id

Linked from

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

3.13 Store

Table

Key	Columns	Data Type	Description
Primary	store_id	SERIAL	Unique store identifier
Foreign	manager_staff_id	SMALLINT	Unique manager of store identifier
Foreign	address_id	SMALLINT	Unique store address identifier
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date this record in this table was last updated

Links to

	Table	Join
→	Staff	store.manager_staff_id = staff.staff_id
→	Address	store.address_id = address.address_id