

ROCKBUSTER STEALTH DATA DICTIONARY

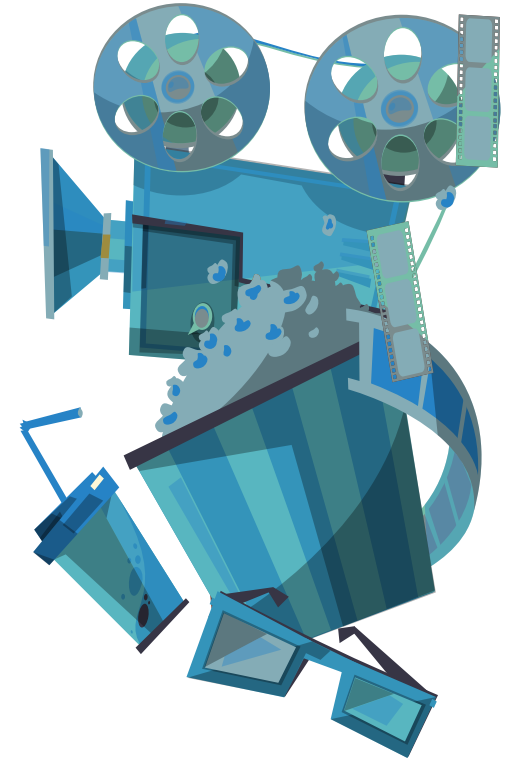
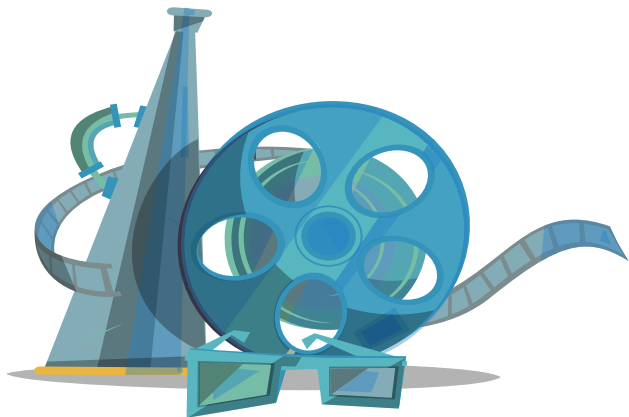
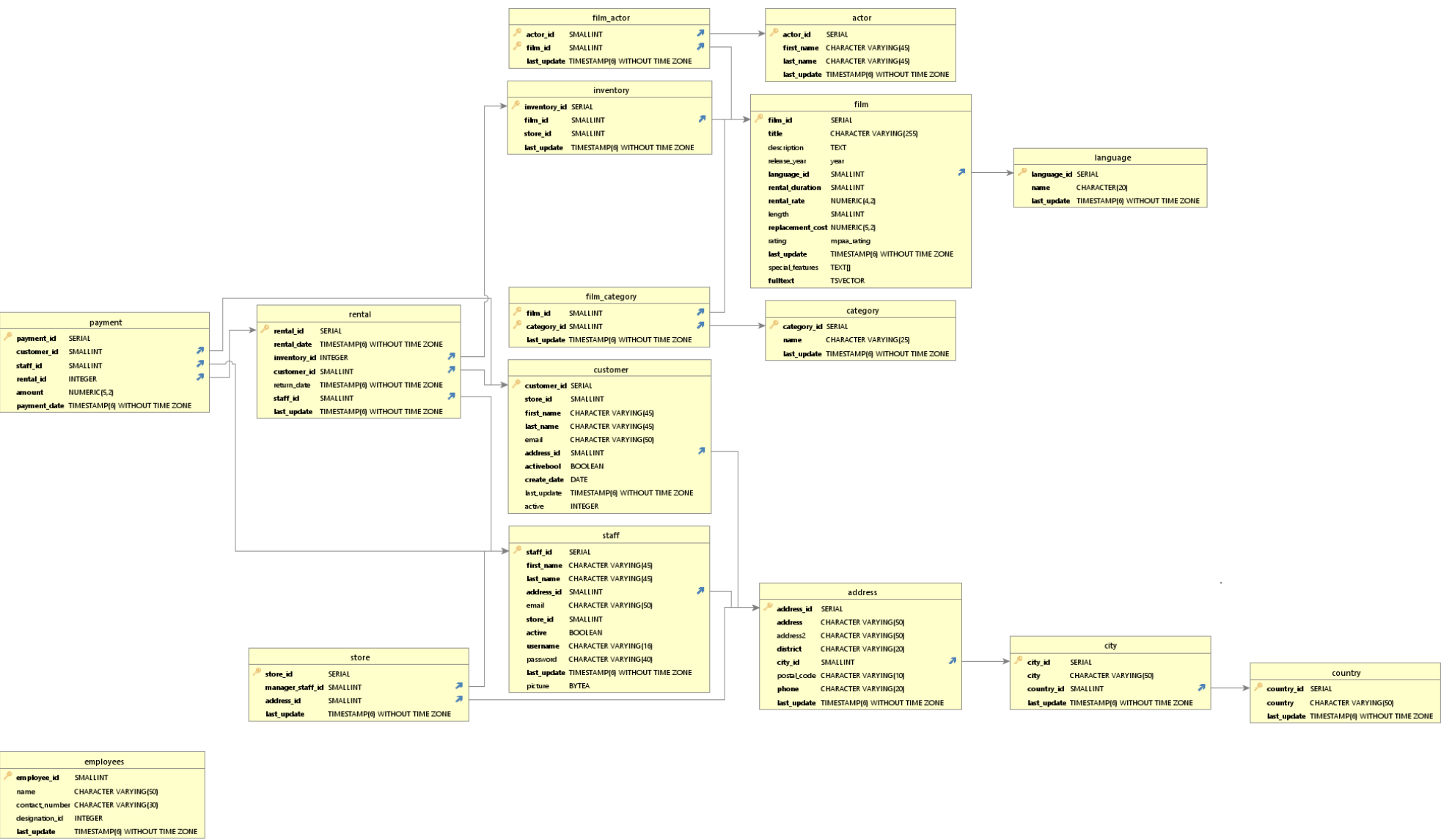



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Entity Relationship Diagram (ERD)




Legend

	Primary Key
	Foreign Key



Fact Table: Rental

Key	Columns	Data Type	Description	Links With
	rental_id	SERIAL	Unique ID number assigned to each rental	Payment
	rental_date	TIMESTAMP WITHOUT TIME ZONE	Date of the rental	
	inventory_id	INTEGER	ID number for product being rented	Inventory
	customer_id	SMALLINT	Unique ID number for the customer	Customer
	return_date	TIMESTAMP WITHOUT TIME ZONE	Date the rental should be returned	
	staff_id	SMALLINT	Unique ID number of staff who worked the rental transaction	Staff
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	


Dimension Table: Actor

Key	Columns	Data Type	Description	Links With
	actor_id	INTEGER	Unique ID number assigned to actor	Film Actor
	first_name	CHARACTER VARYING (45)	First name of the actor	
	last_name	CHARACTER VARYING (45)	Last name of the actor	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	



Dimension Table: Address

Key	Columns	Data Type	Description	Links With
	address_id	INTEGER	Unique ID number assigned to address record	Customer , Staff , Store
	address	CHARACTER VARYING (50)	Street Address line 1	
	address2	CHARACTER VARYING (50)	Street Address line 2	
	disctrict	CHARACTER VARYING (20)	District of the address	
	city_id	SMALLINT	Unique ID number assigned to city	City
	postal_code	CHARACTER VARYING (10)	Postal code of the address	
	phone	CHARACTER VARYING (20)	Phone number associated with address	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	


Dimension Table: Category

Key	Columns	Data Type	Description	Links With
	category_id	INTEGER	Unique ID number assigned to movie genre	Film Category
	name	CHARACTER VARYING (25)	Category/movie genre name	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	




Dimension Table: City

Key	Columns	Data Type	Description	Links With
	city_id	INTEGER	Unique ID number assigned to city	Address
	city	CHARACTER VARYING (50)	Name of the city	
	country_id	SMALLINT	Unique ID number assigned to country	Country
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	



Dimension Table: Country

Key	Columns	Data Type	Description	Links With
	country_id	INTEGER	Unique ID number assigned to country	<u>City</u>
	country	CHARACTER VARYING (50)	Name of the country	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	



Dimension Table: Customer

Key	Columns	Data Type	Description	Links With
	customer_id	INTEGER	Unique ID number assigned to customer	Payment , Rental
	store_id	SMALLINT	Unique ID number assigned to store	Store
	first_name	CHARACTER VARYING (45)	Customer first name	
	last_name	CHARACTER VARYING (45)	Customer last name	
	email	CHARACTER VARYING (50)	Customer email address	
	address_id	SMALLINT	Unique ID number assigned to address record	Address
	activebool	BOOLEAN	True or false if customer is active	
	create_date	DATE	Date the customer profile was created	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	
	active	INTEGER	Numerical value for true or false if customer is active	



Dimension Table: Film

Key	Columns	Data Type	Description	Links With
	film_id	INTEGER	Unique ID number assigned to film	Film Actor , Film Category , Inventory
	title	CHARACTER VARYING (255)	Title of the film	
	description	TEXT	Description of the film	
	release_year	INTEGER	Year the film was released	
	language_id	SMALLINT	Unique ID number assigned to language	Language
	rental_duration	SMALLINT	How many days the film was rented	
	rental_rate	NUMERIC (4,2)	Cost of the rental	
	length	SMALLINT	Length of the film	
	replacement_cost	NUMERIC (5,2)	Cost to replace the film	
	rating	MPAA_RATING	Film rating according to the MPAA rating system (G, PG, R, etc.)	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	
	special_features	TEXT[]	Special features included on the film (trailers, deleted scenes, commentaries, etc.)	
	fulltext	TSVECTOR	Keywords related to the film	




Dimension Table: Film Actor

Key	Columns	Data Type	Description	Links With
	actor_id	SMALLINT	Unique ID number assigned to actor	Actor
	film_id	SMALLINT	Unique ID number assigned to film	Film
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	


Dimension Table: Film Category

Key	Columns	Data Type	Description	Links With
	film_id	SMALLINT	Unique ID number assigned to film	Film
	category_id	SMALLINT	Unique ID number assigned to category	Category
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	





Dimension Table: Inventory

Key	Columns	Data Type	Description	Links With
	inventory_id	INTEGER	Unique ID number assigned to inventory	Rental
	film_id	SMALLINT	Unique ID number assigned to film	Film
	store_id	SMALLINT	Unique ID number assigned to store	Store
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	




Dimension Table: Language

Key	Columns	Data Type	Description	Links With
	language_id	INTEGER	Unique ID number assigned to language	Film
	name	CHARACTER VARYING (20)	Name of the language	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	



Dimension Table: Payment

Key	Columns	Data Type	Description	Links With
	payment_id	INTEGER	Unique ID number assigned to language	
	customer_id	SMALLINT	Unique ID number assigned to customer	Customer
	staff_id	SMALLINT	Unique ID number assigned to staff	Staff
	rental_id	INTEGER	Unique ID number assigned to rental	Rental
	amount	NUMERIC (5,2)	Amount of the payment	
	payment_date	TIMESTAMP WITHOUT TIME ZONE	Date & Time of payment	

Dimension Table: Staff

Key	Columns	Data Type	Description	Links With
	staff_id	INTEGER	Unique ID number assigned to staff	Payment , Rental
	first_name	CHARACTER VARYING (45)	Staff first name	
	last_name	CHARACTER VARYING (45)	Staff last name	
	address_id	SMALLINT	Unique ID number assigned to address record	Address
	email	CHARACTER VARYING (50)	Staff email address	
	store_id	SMALLINT	Unique ID number assigned to store	Store
	active	BOOLEAN	True or false if staff is active	
	username	CHARACTER VARYING (16)	Username of the staff member	
	password	CHARACTER VARYING (40)	Staff member account password	
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	
	picture	BYTEA	Staff picture in the form of binary data	

Dimension Table: Store

Key	Columns	Data Type	Description	Links With
	store_id	INTEGER	Unique ID number assigned to store	Customer , Inventory , Staff
	manager_staff_id	SMALLINT	Unique ID number assigned to staff manager	
	address_id	SMALLINT	Unique ID number assigned to address record	Address
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date & Time of last update on the data table	