

ROCKBUSTER

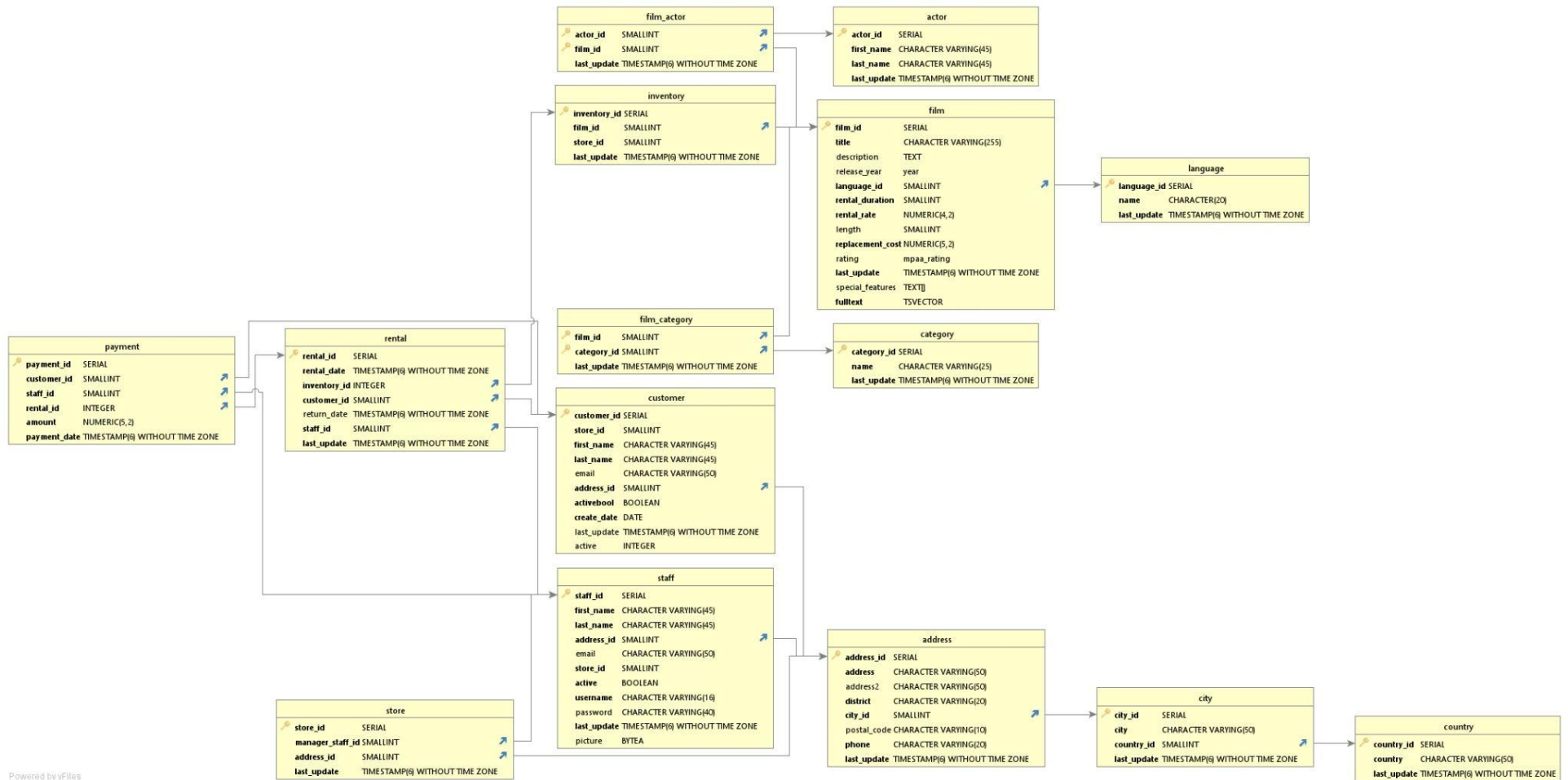
DATA DICTIONARY

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Entity Relationship Diagram (ERD)







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Legend

	Primary Key
	Foreign Key



Fact Table: Rental

Key	Columns	Data Type	Description	Link Within
	rental_id	SERIAL	Unique ID of each rental	Payment
	rental_date	TIMESTAMP WITHOUT TIMEZONE	Time of last rental	
	inventory_id	INTEGER	Unique ID of film inventory	Inventory
	customer_id	SMALLINT	Unique ID of each customer	Customer
	return_date	TIMESTAMP WITHOUT TIMEZONE	Date of last rental return	
	staff_id	SMALLINT	Unique ID of staff placing order	Staff
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	


Dimension Table: Actor

Key	Columns	Data Type	Description	Link Within
	actor_id	SERIAL	Unique ID of actor	Film Actor
	first_name	CHARACTER VARYING(45)	First name of actor	
	last_name	CHARACTER VARYING(45)	Last name of actor	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	



Dimension Table: Address

Key	Columns	Data Type	Description	Link Within
	address_id	SERIAL	Unique address ID of store	Customer , Staff , Store
	address	CHARACTER VARYING(50)	First line of store address	
	address_2	CHARACTER VARYING(50)	Second line of store address	
	district	CHARACTER VARYING(20)	Code for store regional location	
	city_id	SMALLINT	Unique ID of city	City
	postal_code	CHARACTER VARYING(10)	Postal code of store location	
	phone	CHARACTER VARYING(20)	Store phone number	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	


Dimension Table: Category

Key	Columns	Data Type	Description	Link Within
	category_id	SMALLINT	Unique ID assigned to film category	Film Category
	name	CHARACTER VARYING(25)	Category name (genre name)	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	




Dimension Table: City

Key	Columns	Data Type	Description	Link Within
	city_id	SERIAL	Unique ID of city	Address
	city	CHARACTER VARYING(50)	Name of city	
	country_id	SMALLINT	Unique ID of country	Country
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	



Dimension Table: Country

Key	Columns	Data Type	Description	Link Within
	country_id	SERIAL	Unique ID of country	City
	country	CHARACTER VARYING(50)	Name of country	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	



Dimension Table: Customer

Key	Columns	Data Type	Description	Link Within
	customer_id	SERIAL	Unique ID of customer	Payment , Rental
	store_id	SMALLINT	Unique ID assigned to store	Store
	first_name	CHARACTER VARYING(45)	First name of customer	
	last_name	CHARACTER VARYING(45)	Last name of customer	
	email	CHARACTER VARYING(50)	Email address of customer	
	address_id	SMALLINT	Address of customer	Address
	activebool	BOOLEAN	Customer activity status (active/not)	
	create_date	DATE	Beginning date of customer account	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	



Dimension Table: Film

Key	Columns	Data Type	Description	Link Within
	film_id	SERIAL	Unique ID assigned to film	Film Actor , Category , Inventory
	title	CHARACTER VARYING(255)	Film title	
	description	TEXT	Film description	
	release_year	YEAR	Film release year	
	language_id	SMALLINT	Unique ID assigned to film language	Language
	rental_duration	SMALLINT	Length of rental (days)	
	rental_rate	NUMERIC(4,2)	Price of rental	
	length	SMALLINT	Film duration	
	replacement_cost	NUMERIC(5,2)	Film cost to replace	
	rating	MPAA_RATING	Film rating	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	
	special_features	TEXT[]	Film special features	
	fulltext	YSVECTOR	Keywords	




Dimension Table: Film Actor

Key	Columns	Data Type	Description	Link Within
	actor_id	SERIAL	Unique ID assigned to actor	Actor
	film_id	SMALLINT	Unique ID assigned to film	Film
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	


Dimension Table: Film Category

Key	Columns	Data Type	Description	Link Within
	film_id	SERIAL	Unique ID assigned to film	Film
	category_id	SMALLINT	Unique ID assigned to film category	Category
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	





Dimension Table: Inventory

Key	Columns	Data Type	Description	Link Within
	inventory_id	SERIAL	Unique ID of film inventory	Rental
	film_id	SMALLINT	Unique ID assigned to film	Film
	store_id	SMALLINT	Unique ID assigned to store	Store
	last_update	TIMESTAMP WITHOUT ZONE	Time of last update	




Dimension Table: Language

Key	Columns	Data Type	Description	Link Within
	language_id	SERIAL	Unique ID assigned to film language	Film
	name	CHARACTER VARYING(20)	Name of language	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	



Dimension Table: Payment

Key	Columns	Data Type	Description	Link Within
	payment_id	SERIAL	Unique ID assigned to each payment	
	customer_id	SMALLINT	Unique ID of customer	Customer
	staff_id	SMALLINT	Unique ID of staff placing order	Staff
	rental_id	INTEGER	Unique ID of film rental	Rental
	amount	NUMERIC(5,2)	Amount paid	
	payment_date	TIMESTAMP WITHOUT TIMEZONE	Time of last update	

Dimension Table: Staff

Key	Columns	Data Type	Description	Link Within
	staff_id	SERIAL	Unique ID assigned to staff	Payment , Rental
	first_name	CHARACTER VARYING(45)	First name of staff	
	last_name	CHARACTER VARYING(45)	Last name of staff	
	address_id	SMALLINT	Address of staff store	Address
	email	CHARACTER VARYING(50)	Email address of staff	
	store_id	SMALLINT	Unique ID assigned to store	Store
	active	BOOLEAN	Status of staff (active/not)	
	username	CHARACTER VARYING(16)	Staff username	
	password	CHARACTER VARYING(40)	Staff password	
	last_update	TIMESTAMP WITHOUT TIMEZONE	Time of last update	
	picture	BYTEA	Photo of staff	

Dimension Table: Store

Key	Columns	Data Type	Description	Link Within
	store_id	SERIAL	Unique ID assigned to store	Customer , Inventory , Staff
	manager_staff_id	SMALLINT	Unique ID of store manager	
	address_id	SMALLINT	Unique ID representing store address	Address