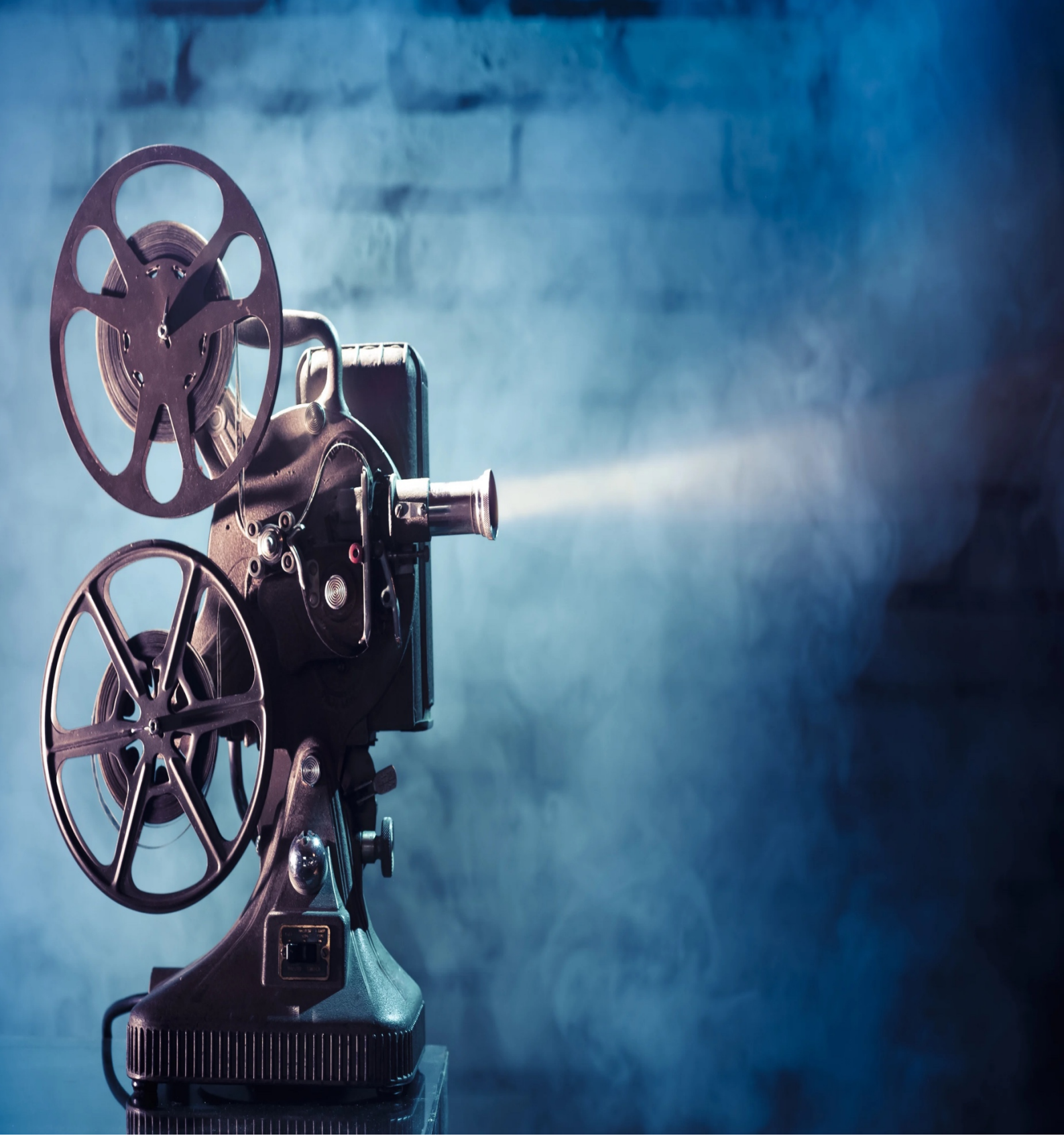

ROCKBUSTER DATA DICTIONARY

2023

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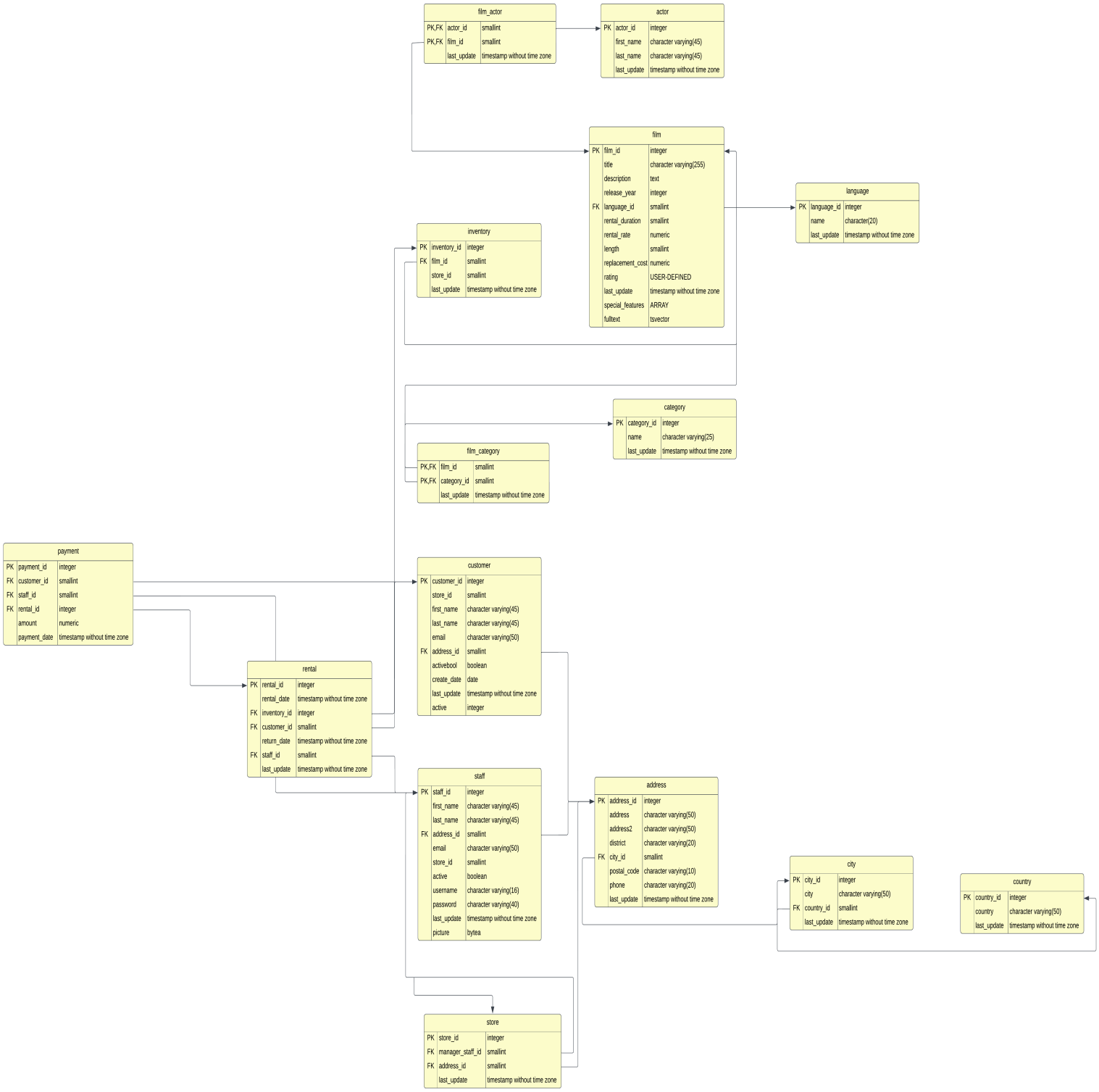
LEGEND

Primary Key

Foreign key

2 Entity Relationship Diagram (ERD)



3 Tables

3.1 Facts Table

3.1.1 Payment Table

Table	Columns	Data Type	Description
	payment_id	serial	id of payment
	customer_id	smallint	id of customer
	staff_id	smallint	id of staff
	rental_id	integer	id of rental
	amount	numeric	amount paid
	payment_date	timestamp(6) without time zone	date of payment

Links to	Table	Columns	Description
	Customer	customer_id	the unique id of customer
	Staff	staff_id	the unique id of staff
	Rental	rental_id	the unique id of rent

3.1.2 Rental Table

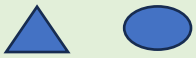
Table	Columns	Data Type	Description
	rental_id	serial	id of rent
	rental_date	timestamp (6) without time zone	Rent start date
	inventory_id	integer	Inventory number
	customer_id	smallint	id of customer
	return_date	timestamp (6) without time zone	Rent finish date
	staff_id	smallint	Id of staff person
	last_update	timestamp (6) without time zone	Date of update

Links to	Table	Columns	Description
	Customer	customer_id	the unique id of customer
	Staff	staff_id	the unique id of staff
	Inventory	inventory_id	the unique id of rent

Links from	Table	Join	Description
	Payment	payment_id	automatically created a unique number id of payment

3.2 Dimensional Tables

3.2.1 Film_actor

Table	Columns	Data Type	Description
	actor_id	smallint	id of actor
	film_id	smallint	Id of film
	last_update	timestamp (6) without time zone	Date of update

Links to	Table	Columns	Description
	Actor	actor_id	the unique id of actor
	Film	film_id	the unique id of film
	Inventory	Film_id	the unique id of film
	Film_category	Film_id	the unique id of film

3.2.2 Inventory

Table	Columns	Data Type	Description
	inventory_id	serial	id of inventory
	film_id	smallint	Id of film
	customer_id	smallint	id of customer
	Last_update	timestamp (6) without time zone	Date of last update

Links to	Table	Columns	Description
	Film	film_id	the unique id of film
	Film_actor	film_id	the unique id of film
	Category	film_id	the unique id of film

Links from	Table	Join	Description
	Rental	Inventory_id	unique number id of inventory

3.2.3 Staff

Table	Columns	Data Type	Description
	staff_id	serial	id of rent
	First_name	Charactervaying (45)	Rent start date
	Last_name	Charactervaying (45)	Inventory number
	Address_id	smallint	id of customer
	email	Charactervaying (45)	Rent finish date
	Store_id	smallint	Id of staff person
	Active	Boolean	Date of update
	Username	Charactervaying (45)	Username of staff
	Password	Charactervaying (45)	Staff Password
	Picture	Bytea	photo

Links to	Table	Columns	Description
	Address	address_id	the unique id of address
	Customer	address _id	the unique id of address
	Store	address _id	the unique id of address

Links from	Table	Join	Description
	Rental	Staff_id	unique number id of staff
	Store	Staff_id	unique number id of staff
	Payment	Staff_id	unique number id of staff

3.2.4 Film

Table	Columns	Data Type	Description
	film_id	serial	id of film
	Title	Charactervarying(255)	Film title
	Description	text	Film description
	Release_year	year	Year of film release
	Language_id	smallint	Id of language
	rental_duration	smallint	Duration of rent in days
	rantal_rate	Numeric (4,2)	Rate of rent in $
	length	smallint	Film length in min
	Replacement_cost	Numeric(5,2)	Cost of film replacement
	rating	Mpaa_rating	Film rating
	Last_update	timestamp (6) without time zone	Date of update
	Special futures	Text[]	Additional description
	Fulltext	TSVector	Additional description

Links to	Table	Columns	Description
	Language	language _id	the unique id of language

Links from	Table	Columns	Description
	Film_actor	film _id	the unique id of film
	Inventory	film _id	the unique id of film
	Film_category	film _id	the unique id of film

3.2.5 Film_category

Table	Columns	Data Type	Description
	film_id	smallint	id of film
	category_id	smallint	Id of category
	last_update	timestamp (6) without time zone	Date of update

Links to	Table	Columns	Description
	Category	category_id	the unique id of film
	Inventory	film_id	the unique id of film
	Film	film_id	the unique id of film
	Film-actor	film_id	the unique id of film

3.2.6 Actor

Table	Columns	Data Type	Description
	actor_id	serial	id of actor
	First_name	Charactervarying(50)	Customer first name
	Last_name	Charactervarying(50)	Customer last name
	last_update	timestamp (6) without time zone	Date of update

Links from	Table	Columns	Description
	Film_actor	actor _id	the unique id of actor

3.2.7 Customer

Table	Columns	Data Type	Description
	customer_id	serial	id of customer
	First_name	Charactervaying (45)	First name of customer
	Last_name	Charactervaying (45)	Last name of customer
	Email	Charactervaying (50)	Email of customer
	Address_id	smallint	Id of customer address
	Activebol	Boolean	Confirmation of customer activity
	Create_date	Date	Data of customer id creation
	last_update	timestamp (6) without time zone	Date of update
	Active	Integer	Number of interactions with customer

Links to	Table	Columns	Description
	Staff	address_id	the unique id of actor
	Address	address _id	the unique id of film
	Store	address _id	the unique id of film

3.2.8 Category

Table	Columns	Data Type	Description
	category_id	serial	id of category
	name	Charactervarying(25)	Category name
	last_update	timestamp (6) without time zone	Date of last update

Links from	Table	Columns	Description
	Film_category	category _id	the unique id of language

3.2.9 Language

Table	Columns	Data Type	Description
	language_id	serial	id of language
	name	Charactervarying(20)	Name of language
	last_update	timestamp (6) without time zone	Date of update

Links from	Table	Columns	Description
	Film	language _id	the unique id of language

3.2.10 City

Table	Columns	Data Type	Description
	city_id	serial	id of city
	city	Charactervarying(50)	City name
	country_id	smallint	Id of country
	last_update	timestamp (6) without time zone	Date of update

Links to	Table	Columns	Description
	Country	country _id	the unique id of country

Links from	Table	Columns	Description
	Address	city _id	the unique id of address

Table	Columns	Data Type	Description
	address_id	serial	id of address
	Address	Charactervarying(50)	Address
	Address2	Charactervarying(50)	Address additional data
	District	Charactervarying(20)	District name

	City_id	Smallint	Id of city
	Postal_code	Charactervarying(10)	Address postal code
	Phone	Charactervarying(20)	Phone number
	Last_update	timestamp (6) without time zone	Date of update

3.2.11 Address

Links to	Table	Columns	Description
	City	city _id	the unique id of city

Links from	Table	Columns	Description
	Story	address _id	the unique id of address
	Staff	address _id	the unique id of address
	Customer	Address_id	

3.2.12 Country

Table	Columns	Data Type	Description
	country_id	serial	id of country
	country	Charactervarying(50)	Country name
	last_update	timestamp (6) without time zone	Date of update

Links from	Table	Columns	Description
	City	city _id	the unique id of city

3.2.13 Store

Table	Columns	Data Type	Description
	Store_id	serial	id of store
	Manager_staff_id	smallint	Id of store manager
	Address_id	smallint	Id store address

	last_update	timestamp (6) without time zone	Date of update

Links to	Table	Columns	Description
	Address	address _id	the unique id of address
	Staff	address _id	the unique id of address

Links from	Table	Columns	Description
	Customer	address_id	the unique id of address
	Rental	manager_staff_id	id of store manager
	Payment	manager_staff_id	id of store manager
	Staff	manager_staff_id	Id of store manager