



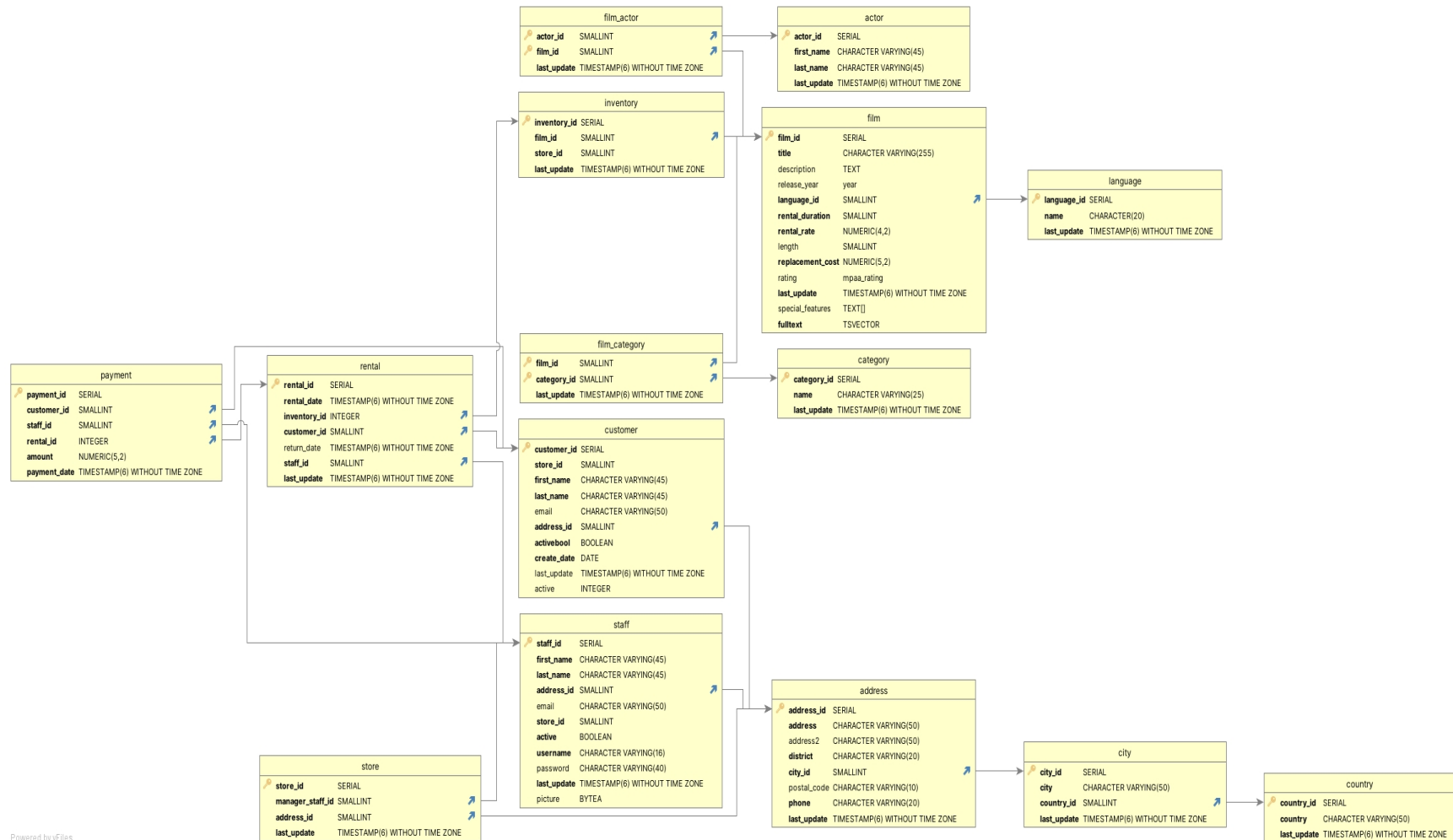
# ROCKBUSTER

Data Dictionary 2023

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## Section 1: Entity Relationship Diagram (ERD)



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## 2.0 Fact Sheet

### 2.1 Payment Table

Unique Key	Column Name	Data Type	Description
Primary Key	payment_id	Serial	Unique payment identifier
Foreign Key	customer_id	Small int	Unique customer identifier
Foreign Key	staff_id	Small_int	Unique staff identifier
Foreign Key	rental_id	Integer	Unique rental identifier
	amount	Numeric (5,2)	Amount of payment
	payment_date	Timestamp(6) w/o time zone	Date of payment

### Links to

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table
Rental	Foreign key reference to staff table

## 2.2 Rental Table

Unique Key	Column Name	Data Type	Description
Primary Key	rental_id	Serial	Unique rental identifier
	rental date	Timestamp(6) w/o Time Zone	Date of rental
Foreign Key	inventory_id	Integer	Unique inventory identifier
Foreign Key	customer_id	Small Int	Unique customer identifier
	return_date	Timestamp(6) w/o Time Zone	Date of return
Foreign Key	staff_id	Small Int	Unique staff identifier
	last_update	Timestamp(6) w/o Time Zone	Time of last update

### Links to

Table	Description
Inventory	Foreign key reference to inventory table
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table
Payment	Foreign key reference to payment ta

## 3.0 Dimensions Table

### 3.1 Address Table

Unique Key	Column Name	Data Type	Description
Primary Key	address_id	Serial	Unique address identifier
	address	Character Varying (50)	Address line 1
	address 2	Character Varying (50)	Address line 2
	district	Character Varying (20)	District of address
Foreign Key	city_id	Small int	Unique city identifier
	postal_code	Character Varying (10)	Postal code of the address
	phone	Character Varying (20)	Phone Number
	Last_update	Timestamp(6) w/o Time Zone	Time of last update

#### Links to

Table	Description
City	Foreign key reference to city table

#### Links from

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table
Store	Foreign key reference to store table

### 3.2 Category Table

Unique Key	Column Name	Data Type	Description
Primary Key	category_id	Serial	Unique category identifier
	name	Character Varying (25)	Category name
	last_update	Timestamp(6) w/o Time Zone	Date of last update

#### Links from

Table	Description
Film_category	Foreign key reference to film_category table

### 3.3 City Table

Unique Key	Column Name	Data Type	Description
Primary Key	city_id	Serial	Unique city identifier
	city	Character Varying (50)	City Name
Foreign Key	country_id	Small Int	Unique country identifier
	last_update	Timestamp(6) w/o Time Zone	Date of last update

#### Links to

Table	Description
Country	Foreign key reference to country table

#### Links from

Table	Description
Address	Foreign key reference to address table

### 3.4 Country Table

Unique Key	Column Name	Data Type	Description
Primary Key	country_id	Serial	Unique country identifier
	country	Character Varying (50)	Country name
	last_update	Timestamp(6) w/o Time Zone	Time of last update

#### Links from

Table	Description
City	Foreign key reference to city table

### 3.5 Customer Table

Unique Key	Column Name	Data Type	Description
Primary Key	customer_id	Small Int	Unique customer identifier
	store_id	Small Int	Unique store identifier
	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
Foreign Key	address_id	Small Int	Unique address identifier
	activebool	Boolean	Account status of customer
	create_date	Date	Date customer profile created
	last_update	Timestamp(6) w/o Time Zone	Time of last update

#### Links to

Table	Description
Address	Foreign key reference to address table

#### Links from



Table	Description
Payment	Foreign key reference to payment table
Rental	Foreign key reference to rental table

### 3.6 Film Actor Table

Unique Key	Column Name	Data Type	Description
Primary Key/ Foreign Key	actor_id	Small Int	Unique actor identifier
Primary Key/ Foreign Key	film_id	Small Int	Unique film identifier
	last_update	Timestamp(6) w/o Time Zone	Time of last update

### Links to

Table	Description
Actor	Foreign key reference to actor table
Film	Foreign key reference to film table

### 3.7 Film Category Table

Unique Key	Column Name	Data Type	Description
Primary Key/ Foreign Key	film_id	Small Int	Unique film identifier
Primary Key/ Foreign Key	category_id	Small Int	Unique category identifier
	last_Update	Timestamp(6) w/o Time Zone	Time of last update

#### Links to

Table	Description
Category	Foreign key references to category table
Film	Foreign key references to film table

### 3.8 Inventory Table

Unique Key	Column Name	Data Type	Description
Primary Key	inventory_id	Serial	Unique inventory identifier
Foreign Key	film_id	Small Int	Unique film identifier
	store_id	Small Int	Unique store identifier
	last_update	Timestamp(6) w/o Time Zone	Time of last update

#### Links to

Table	Description
Film	Foreign key reference to film table

#### Links from

Table	Description
Rental	Foreign key reference to rental table

### 3.9 Language Table

Unique Key	Column Name	Data Type	Description
Primary Key	language_id	Serial	Unique language identifier
	name	Character Varying (20)	Language
	last_update	Timestamp(6) w/o Time Zone	Time of last update

### Links from

Table	Description
Film	Foreign key reference to film table

### 3.10 Staff Table

Unique Key	Column Name	Data Type	Description
Primary Key	staff_id	Serial	Unique staff identifier
	first_name	Character Varying (45)	First name of staff member
	last_name	Character Varying (45)	Last name of staff member
Foreign Key	address_id	Small Int	Unique address identifier
	Email	Character Varying (50)	Email address of staff member
	store_id	Small Int	Unique store identifier
	active	Boolean	Employment status of staff member
	username	Character Varying (16)	Staff members username
	password	Character Varying (40)	Staff members password
	last_update	Timestamp(6) w/o Time Zone	Time of last update
	Picture	Bytea	Picture of staff member

#### Links to

Table	Description
Address	Foreign key reference to address table

#### Links from

Table	Description
Payment	Foreign key reference to payment table
Rental	Foreign key reference to rental table
Store	Foreign key reference to store table

### 3.11 Film Table

Unique Key	Column Name	Data Type	Description
Primary Key	film_id	Serial	Unique film id
	title	Character Varying (255)	Title of film
	description	Text	Description of film
	release_year	Year	Year the film was released
Foreign Key	language_id	Small Int	Language of film
	rental_duration	Small Int	Duration of film
	rental_rate	Numeric (4,2)	Rate of film
	length	Small Int	Length of film
	replacement_cost	Numeric (5,2)	Replacement cost of film
	rating	Mpaa_rating	Rating of film
	last_update	Timestamp(6) w/o Time Zone	Date of last update
	special_features	Text	Special features of the film
	fulltext	Tsvector	List of keywords and position

#### Links to

Table	Description
Language	Foreign key reference to language table

#### Links from

Table	Description
Film_actor	Foreign key reference to film_actor table
Inventory	Foreign key reference to inventory table
Film_category	Foreign key reference to film_category table

### 3.12 Store Table

Unique Key	Column Name	Data Type	Description
Primary Key	store_id	Serial	Unique store identifier
Foreign Key	manager_staff_id	Small Int	Unique staff manager identifier
Foreign Key	address_id	Small Int	Unique store address identifier
	last_update	Timestamp(6) w/o Time Zone	Date of last update

#### Links to

Table	Description
Staff	Foreign key reference to staff table
Address	Foreign key reference to address table

### 3.13 Actor Table

Unique Key	Column Name	Data Type	Description
Primary Key	actor_id	Serial	Unique actor identifier
	first_name	Character Varying (45)	First name of actor
	last_name	Character Varying (45)	Last name of actor
	last_update	Timestamp(6) w/o Time Zone	Date of last update

#### Links from

Table	Description
Film_actor	Foreign key reference to film_actor table