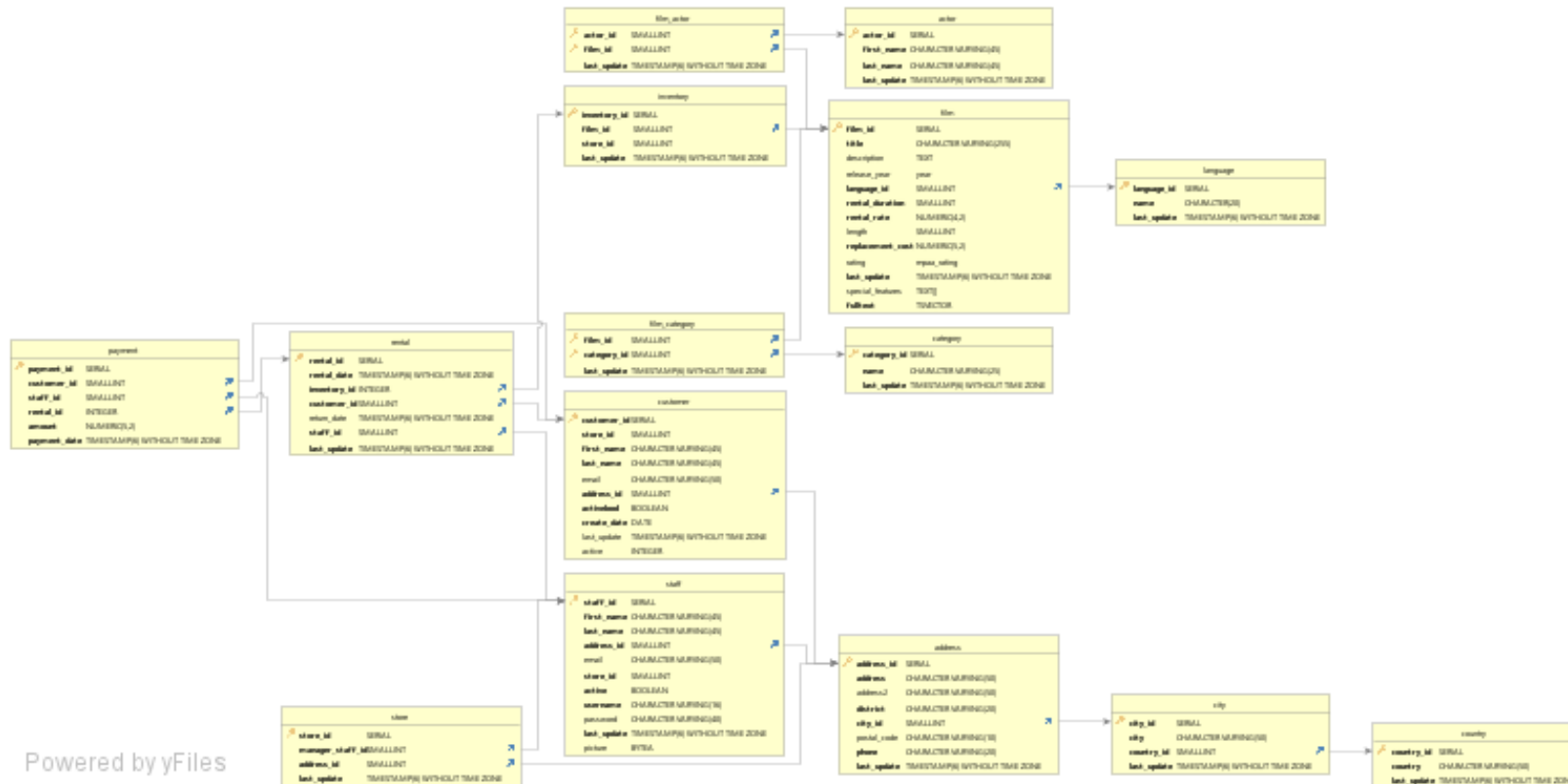


ROCKBUSTER
Data Dictionary

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1. Entity Relationship Diagram



2. Fact Tables

2.1 Rental Table

Rental			
Linked with customer, rental, staff tables			
Columns	Data Type	Description	Key
Rental_id	Serial	Particular ID given to each rental movie	PK
rental_date	Timestamp(6)	The timestamp contains information (yyyy-mm-dd) as well as the rental's hour, minutes, and seconds. without taking into account the time zone.	
inventory_id	Integer	Inventory ID Number	FK to Inventory Table
customer_id	Smallint	Customer ID number	FK to Customer Table
return_date	Timestamp(6)	Return date and time (without time zone)	
staff_id	Smallint	Staff ID	FK to Staff Table
last_update	Timestamp(6)	Last update and time (without time zone)	

2.2. Payment Table

Payment			
Linked with customer, rental, staff tables			
Columns	Data Type	Description	Key
Payment_id	Serial	Payment ID number	PK
customer_id	Smallint	Customer ID number	FK to Customer Table
staff_id	Smallint	Staff ID number	FK to Staff Table
rental_id	Integer	Rental ID number	FK to Rental Table
amount	Numeric(5,2)	Amount of money paid for movie in USD	
payment_date	timestamp(6)	Payment date and time (without time zone)	

3. Dimensions Tables

3.1 Store

Store			
Linked with staff, address tables			
Columns	Data Type	Description	Key
Store_id	Serial	Store ID number	PK
Manager_staff_id	Smallint	Manager staff ID number	FK to Staff Table
address_id	smallint	Store address	FT to Adress Table
last_update	Timestamp(6)	Last update date and time (without time zone)	

3.2 Inventory

Inventory			
Linked with rentals, film labels			
Columns	Data Type	Description	Key
inventory_id	serial	Inventory ID number	PK
film_id	smallint	Film ID number	FK to Film Table
store_id	smallint	Store ID number	
last_update	Timestamp(6)	Last update date and time (without time zone)	

3.3 Customer

Customer			
Linked with rental, address tables			
Columns	Data Type	Description	Key
customer_id	serial	Customer ID number	PK
store_id	Smallint	Store ID number	FK to Store Table
first_name	Character Varying (45)	First name	
last_name	Character Varying (45)	Last name	
email	Character varying (50)	Customer email address	
address_id	smallint	Address ID number	FK to Adress Table
activebool	boolean	activebool	
create_date	date	Create date date and time (without time zone)	
last_update	timestamp	Last update date and time (without time zone)	
active	integer	active	

3.4 Staff

Staff			
Linked with payment, store, rental, address tables			
Columns	Data Type	Description	Key
staff_id	serial	Staff id number	PK
first_name	Character Varying (45)	First name	
last_name	Character Varying (45)	Last name	
address_id	Smallint	Address id number	FK to Address Table
email	Character Varying (45)	email address	
store_id	Smallint	Store id number	FK to Store Table
active	Boolean	active	
username	Character Varying (16)	Staff username	

password	Character Varying (40)	password	
last_update	timestamp	last update date and time (without time zone)	
picture	Bytea	Picture of employee	

3.5 Film

Film Category			
Linked with film, category tables			
Columns	Data Type	Description	Key
film_id	smallint	Film id number	PK
category_id	smallint	Category id number	PK
last_update	timestamp	Last update date and time (without time zone)	

3.6 Film Actor

Film Actor			
Linked with actor, film tables			
Columns	Data Type	Description	Key
actor_id	smallint	Actor id number	PK
film_id	smallint	Film id number	PK
last_update	timestamp	Last update date and time (without time zone)	

3.7 Actor

Actor			
Linked with film_actor table			
Columns	Data Type	Description	Key
actor_id	Serial	Actor id number	PK
first_name	Character Varying (45)	First name	

last_name	Character Varying (45)	Last name	
last_update	timestamp	Last update date and time (without time zone)	

3.8 Film

Film			
Linked with film_actor, inventory, film_category, language tables			
Columns	Data Type	Description	Key
film_id	Serial	Film id number	PK
title	Character Varying (255)	Title of movie	
description	text	Description of movie	
release_year	year	Release year	
language_id	smallint	Language id number	FK to Language Table
rental_duration	smallint	Rental duration (days)	
rental_rate	numeric(5,2)	Rental rate USD	
length	smallint	Length of movie	
replacement_cost	numeric(5,2)	Replacement cost USD	
rating	mpaa_rating	rating	
last_update	timestamp	Last update date and time (without time zone)	
special_features	text	Special features	
fulltext	tsvector	fulltext	
category_id	serial	Category id number	
name	Character Varying (25)	name	
last_update	timestamp	Last update date and time (without time zone)	
address_id	Serial	Address id number	
address	Character Varying (50)	Primary address	

address2	Character Varying (50)	Secondary address	
district	Character Varying (20)	district	
city_id	smallint	City id number	FK to City Table
postal_code	Character Varying (10)	Postal code	
phone	Character Varying (20)	Phone number	
last_update	timestamp	Last update date and time (without time zone)	

3.9 Language

Language			
Linked with film table			
Columns	Data Type	Description	Key
language_id	serial	Language id number	PK
name	Character(20)	Name of language	
last_update	timestamp	Last update date and time (without time zone)	

3.10 City

City			
Linked address, country tables			
Columns	Data Type	Description	Key
city_id	serial	City id number	PK
city	Character Varying(50)	City name	
country_id	smallint	Country id number	FK to Country Table
last_update	timestamp	Last update date and time (without time zone)	

3.11 Country

Country			
Linked with city table			
Columns	Data Type	Description	Key
country_id	serial	Country id number	PK
country	Character Varying(50)	Country name	
last_update	timestamp	Last update date and time (without time zone)	

4. List of Abbreviations

PK – Primary Key

FK - Foreign Key