

Rockbuster Stealth LLC




Data Dictionary

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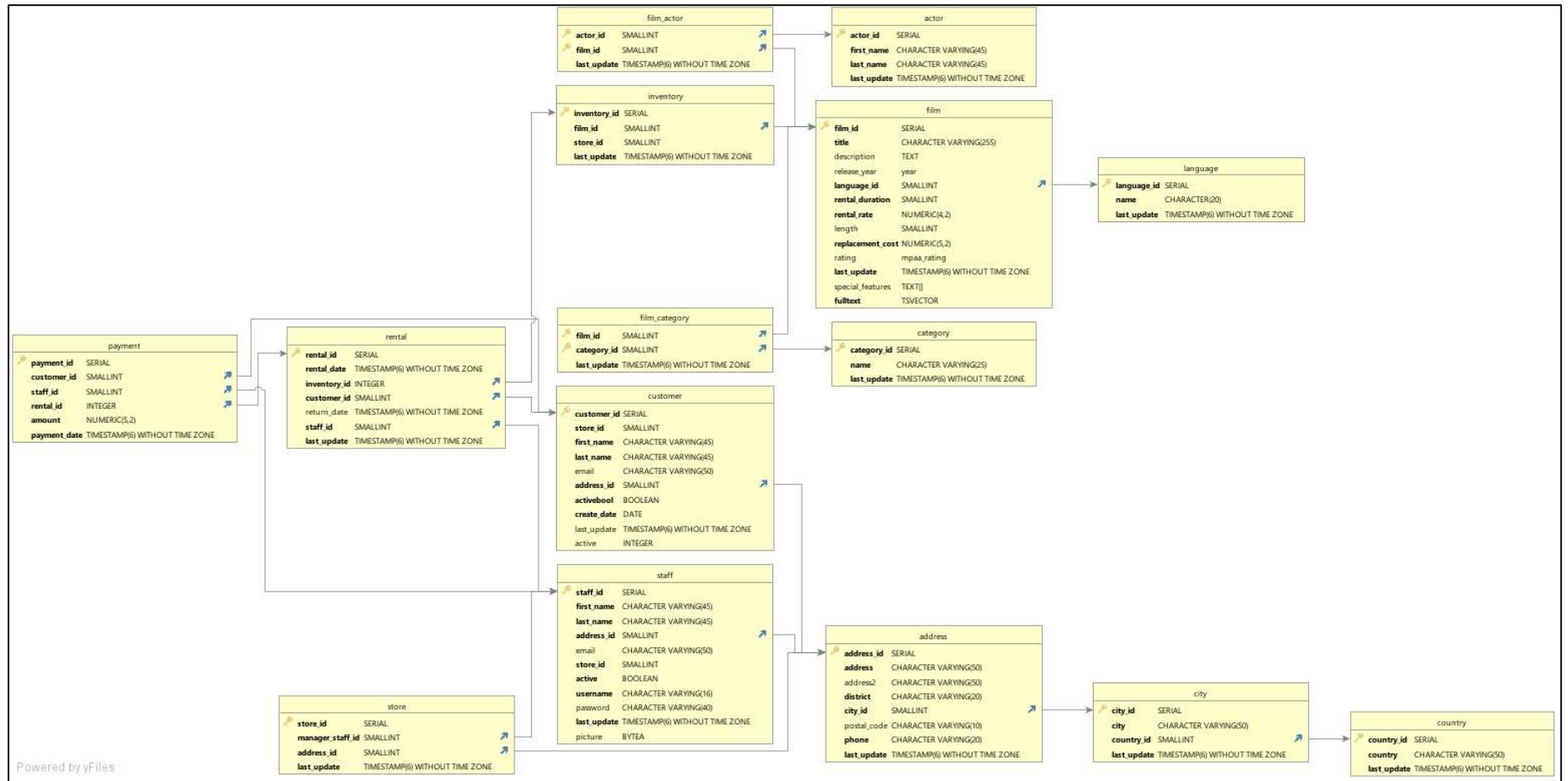
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1. Legend





Symbol	Name	Definition
	Primary Key	A column or set of columns that acts as a unique identifier for each table record
	Foreign Key	A column or set of columns that refers to the primary key in another table
	Composite Key	Combination of columns used when no single column can uniquely identify the rows

2. Entity Relationship Diagram (ERD)







3. Fact Tables

3.1 rental




Key	Column	Data Type	Description	Links To	Links From
	rental_id	SERIAL	Unique number assigned to rental		payment
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date movie was rented		
	inventory_id	INTEGER	Unique number assigned to inventory	inventory	
	customer_id	SMALLINT	Unique number assigned to customer	customer	
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental return		
	staff_id	SMALLINT	Unique number assigned to staff member	staff	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date rental was last updated		

3.2 payment



Key	Column	Data Type	Description	Links To	Links From
	payment_id	SERIAL	Unique number assigned to payment		
	customer_id	SMALLINT	Unique number assigned to customer	customer	
	staff_id	SMALLINT	Unique number assigned to staff member	staff	
	rental_id	INTEGER	Unique number assigned to rental	rental	
	amount	NUMERIC(5,2)	Monetary value of payment		
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment		

4. Dimension Tables



4.1 store

Key	Column	Data Type	Description	Links To	Links From
	store_id	SERIAL	Unique number assigned to store		
	manager_staff_id	SMALLINT	Unique number assigned to store's manager	staff	
	address_id	SMALLINT	Unique number assigned to store's address	address	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date store entry was last updated		



4.2 film_actor

Key	Column	Data Type	Description	Links To	Links From
	actor_id	SMALLINT	Unique number assigned to actor	actor	
	film_id	SMALLINT	Unique number assigned to film	film	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date actor entry was last updated		


4.3 inventory

Key	Column	Data Type	Description	Links To	Links From
	inventory_id	SERIAL	Unique number assigned to inventory		rental
	film_id	SMALLINT	Unique number assigned to film	film	
	store_id	SMALLINT	Unique number assigned to store		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date inventory entry was last updated		


4.4 film_category

Key	Column	Data Type	Description	Links To	Links From
	film_id	SMALLINT	Unique number assigned to film	film	
	category_id	SMALLINT	Unique number assigned to category	category	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date film category entry was last updated		



4.5 category

Key	Column	Data Type	Description	Links To	Links From
	category_id	SERIAL	Unique number assigned to category		film_category
	name	CHARACTER VARYING(25)	Category name		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date category entry was last updated		



4.6 actor

Key	Column	Data Type	Description	Links To	Links From
	actor_id	SERIAL	Unique number assigned to actor		film_actor
	first_name	CHARACTER VARYING(45)	Actor's first name		
	last_name	CHARACTER VARYING(45)	Actor's last name		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date actor entry was last updated		



4.7 customer

Key	Column	Data Type	Description	Links To	Links From
	customer_id	SERIAL	Unique number assigned to customer		rental, payment
	store_id	SMALLINT	Unique number assigned to store		
	first_name	CHARACTER VARYING(45)	Customer's first name		
	last_name	CHARACTER VARYING(45)	Customer's last name		
	email	CHARACTER VARYING(50)	Customer's email address		
	address_id	SMALLINT	Unique number assigned to customer's address	address	
	activebool	BOOLEAN	Is customer active? True or false?		
	create_date	DATE	Date customer entry was created		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date customer entry was last updated		
	active	INTEGER	0 or 1 value to show if customer is active or not		


4.8 staff

Key	Column	Data Type	Description	Links To	Links From
	staff_id	SERIAL	Unique number assigned to staff member		payment, rental, store
	first_name	CHARACTER VARYING(45)	Staff member's first name		
	last_name	CHARACTER VARYING(45)	Staff member's last name		
	address_id	SMALLINT	Address assigned to staff's address	address	
	email	CHARACTER VARYING(50)	Staff member's email address		
	store_id	SMALLINT	Unique number assigned to store		
	active	BOOLEAN	Is staff member active? True or false?		
	username	CHARACTER VARYING(16)	Staff member's username		
	password	CHARACTER VARYING(40)	Staff member's password		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date staff entry was last updated		
	picture	BYETA	Staff member's picture		



4.9 film

Key	Column	Data Type	Description	Links To	Links From
	film_id	SERIAL	Unique number assigned to film		inventory, film_actor, film_category
	title	CHARACTER VARYING(255)	Film title		
	description	TEXT	Description of film		
	release_year	year	Year film was released		
	language_id	SMALLINT	Unique number assigned to language of film	language	
	rental_duration	SMALLINT	Length of film rental		
	rental_rate	NUMERIC(4,2)	Rental rate of film		
	length	SMALLINT	Length of film		
	replacement_cost	NUMERIC(5,2)	Replacement cost of film		
	rating	mpaa_rating	Rating assigned to film		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date film entry was last updated		
	special_features	TEXT[]	Description of special features of film		
	fulltext	TSVECTOR	Text summary describing film		



4.10 language

Key	Column	Data Type	Description	Links To	Links From
	language_id	SERIAL	Unique number assigned to language		film
	name	CHARACTER(20)	Name of language		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date language entry was last updated		


4.11 address

Key	Column	Data Type	Description	Links To	Links From
	address_id	SERIAL	Unique number assigned to address		store, staff, customer
	address	CHARACTER VARYING(50)	First line of address		
	address2	CHARACTER VARYING(50)	Second line of address		
	district	CHARACTER VARYING(20)	Address district		
	city_id	SMALLINT	Unique number assigned to city	city	
	postal_code	CHARACTER VARYING(10)	Postal code of address		
	phone	CHARACTER VARYING(20)	Phone Unique number		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date address entry was last updated		

4.12 city

Key	Column	Data Type	Description	Links To	Links From
	city_id	SERIAL	Unique number assigned to city		address
	city	CHARACTER VARYING(50)	City name		
	country_id	SMALLINT	Unique number assigned to country	country	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date city entry was last updated		

4.13 country

Key	Column	Data Type	Description	Links To	Links From
	country_id	SERIAL	Unique number assigned to country		city
	country	CHARACTER VARYING(50)	Country name		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date country entry was last updated		