

Rockbuster Stealth LLC

DATA DICTIONARY

ABSTRACT

This data dictionary provides Rockbuster Stealth LLC's stakeholders with standardized descriptions, data types, and relationships aimed at enhancing analytical accuracy and consistency across all processes, reduce interpretation errors, and provide a reporting framework to support data-driven strategies for the company's transformation initiative to an online video rental service platform.

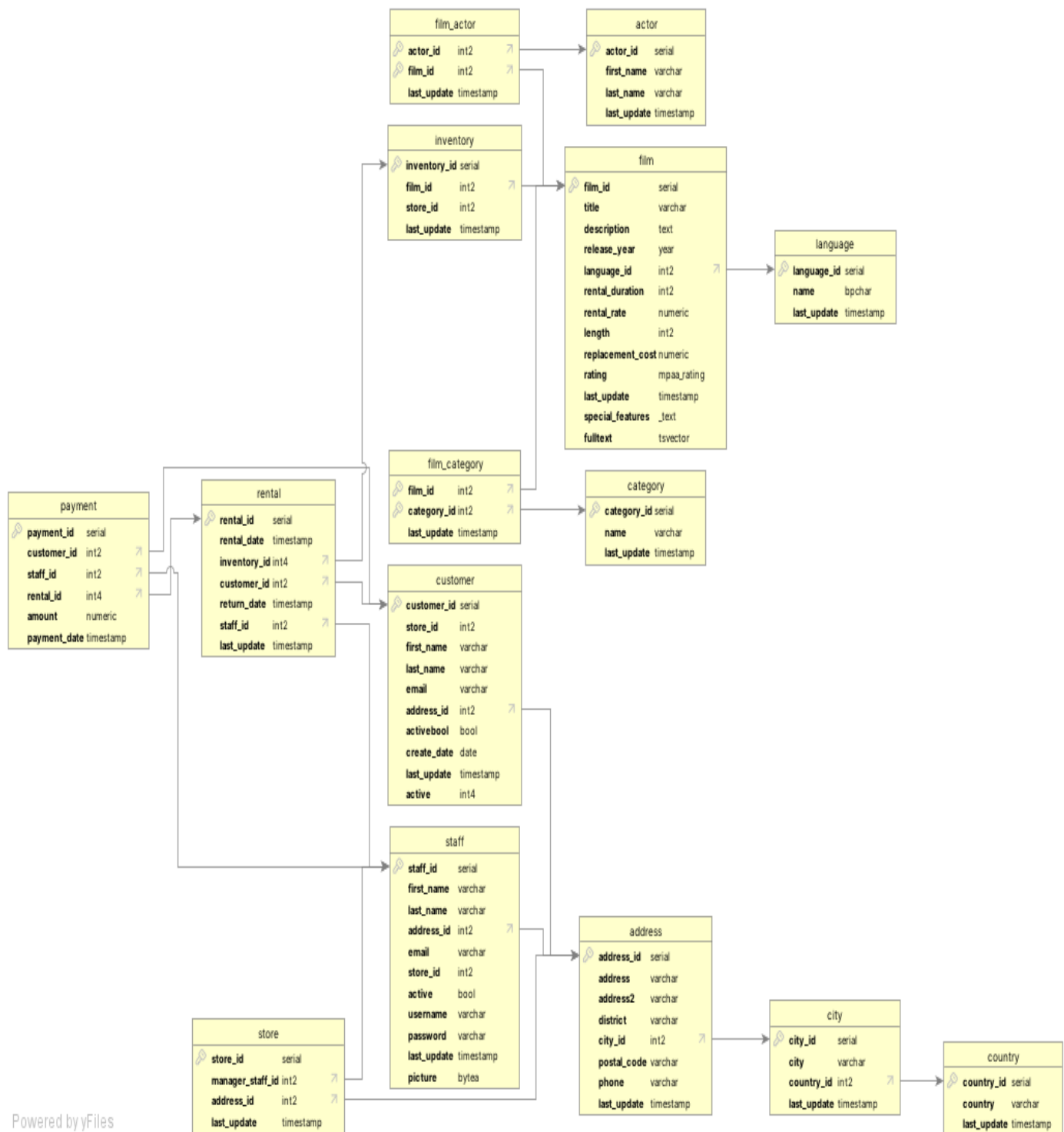
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Entity Relationship Diagram (ERD)



Fact Tables

Rental Table

Columns	Data Type	Nullable	Description	Relationships
rental_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
rental_date	timestamp without time zone	No	Rental Date	
inventory_id	integer	No	Key Links to Inventory Table	Foreign Key
customer_id	smallint	No	Key Links to Customer Table	Foreign Key
return_date	timestamp without time zone		Return Date	
staff_id	smallint	No	Key Links to Staff Table	Foreign Key
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
customer	customer_id	rental_customer_id_fkey	Rental	customer_id
inventory	inventory_id	rental_inventory_id_fkey	Rental	inventory_id
staff	staff_id	rental_staff_id_key	Rental	staff_id

Payment Table

Columns	Data Type	Nullable	Description	Relationships
payment_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
customer_id	smallint	No	Key Links to Customer Table	Foreign Key
staff_id	smallint	No	Key Links to Staff Table	Foreign Key
rental_id	integer	No	Key Links to Rental Table	Foreign Key
amount	numeric(5,2)	No	Payment Amount	
payment_date	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
customer	customer_id	payment_customer_id_fkey	Payment	customer_id
rental	rental_id	payment_rental_id_fkey	Payment	rental_id
staff	staff_id	payment_staff_id_fkey	Payment	staff_id

Dimension Tables

Actor Table

Columns	Data Type	Nullable	Description	Relationships
actor_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
first_name	character varying(45)	No	Actor's First Name	
last_name	character varying(45)	No	Actor's Last Name	
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Film Actor Table

Columns	Data Type	Nullable	Description	Relationships
actor_id	smallint	No	Key Links to Actor Table	Foreign Key
film_id	smallint	No	Key Links to Film Table	Foreign Key
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
actor	actor_id	film_actor_actor_id_fkey	film_actor	actor_id
film	film_id	film_actor_film_id_fkey	film_actor	film_id

Film Table

Columns	Data Type	Nullable	Description	Relationships
film_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
title	character varying(255)	No	Film's Title	
description	text		Film's Description	
release_year	year		Film's Release Year	
language_id	smallint	No	Key Links to Language Table	Foreign Key
rental_duration	smallint	No	Film's Rental Duration	
rental_rate	numeric(4,2)	No	Film's Rental Rate	
length	smallint		Film's Length	
replacement_cost	numeric(5,2)	No	Film's Replacement Cost	

rating	mpaa_rating		Film's Rating	
	timestamp without time zone		Date and Time stamp of the last update not considering time zone	
last_update	zone	No		
special_features	text[]		Film's Special Features	
Description	text tsvector	No	Film Description	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
language	language_id	film_language_id_fkey	film	language_id

Language Table

Columns	Data Type	Nullable	Description	Relationships
language_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
name	character(20)	No	Language Name	
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Film Category Table

Columns	Data Type	Nullable	Description	Relationships
film_id	smallint	No	Key Links to Film Table	Foreign Key
category_id	smallint	No	Key Links to Category Table	Foreign Key
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
category	category_id	film_category_category_id_fkey	film_category	category_id
film	film_id	film_category_film_id_fkey	film_category	film_id

Category Table

Columns	Data Type	Nullable	Description	Relationships
category_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key

name	character varying(25)	No	Category Name	
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Inventory Table

Columns	Data Type	Nullable	Description	Relationships
inventory_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
film_id	smallint	No	Key Links to Film Table	Foreign Key
store_id	smallint	No	Key Links to Store Table	Foreign Key
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
film	film_id	inventory_film_id_fkey	inventory	film_id

Customer Table

Columns	Data Type	Nullable	Description	Relationships
customer_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
store_id	smallint	No	Key Links to Store Table	Foreign Key
first_name	character varying(45)	No	Customer's First Name	
last_name	character varying(45)	No	Customer's Last Name	
email	character varying(50)		Customer's Email	
address_id	smallint	No	Key Links to Address Table	Foreign Key
activebool	boolean	No	Customer's Active Status	
create_date	date	No	Customer Account Creation Date	
last_update	timestamp without time zone		Date and Time stamp of the last update not considering time zone	
active	integer		Customer's Active Status	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
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address	address_id	customer_address_id_fkey	customer	address_id
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Staff Table

Columns	Data Type	Nullable	Description	Relationships
staff_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
first_name	character varying(45)	No	Staff's First Name	
last_name	character varying(45)	No	Staff's Last Name	
address_id	smallint	No	Key Links to Address Table	Foreign Key
email	character varying(50)		Staff's Email	
store_id	smallint	No	Key Links to Store Table	Foreign Key
active	boolean	No	Staff's Active Status	
username	character varying(16)	No	Staff's Username	
password	character varying(40)		Staff's Password	
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	
picture	bytea		Staff's Picture	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
address	address_id	staff_address_id_fkey	staff	address_id

Store Table

Columns	Data Type	Nullable	Description	Relationships
store_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
manager_staff_id	smallint	No	Store Manager Staff Id	
address_id	smallint	No	Key Links to Address Table	Foreign Key
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
address	address_id	store_address_id_fkey	store	address_id

staff	staff_id	store_manager_staff_id_fkey	store	manager_staff_id
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Address Table

Columns	Data Type	Nullable	Description	Relationships
address_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
address	character varying(50)	No	Store Street Address	
address2	character varying(50)		Additional Address Details of the Store	
district	character varying(20)	No	Store District Address	
city_id	smallint	No	Key Links to City Table	Foreign Key
postal_code	character varying(10)		Store Postal Code	
phone	character varying(20)	No	Store's Phone Number	
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
city	city_id	fk_address_city	address	city_id

City Table

Columns	Data Type	Nullable	Description	Relationships
city_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
city	character varying(50)	No	City Name	
country_id	smallint	No	Key Links to Country Table	Foreign Key
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	

Links With

Table	Referenced Column	Relationship	Foreign Key Table	FK Column
country	country_id	fk_city	city	country_id

Country Table

Columns	Data Type	Nullable	Description	Relationships
country_id	integer	No	Unique Identifier Auto-Increment Serial Type	Primary Key
country	character varying(50)	No	Country Name	
last_update	timestamp without time zone	No	Date and Time stamp of the last update not considering time zone	