ROCKBUSTER

DATA DICTIONARY

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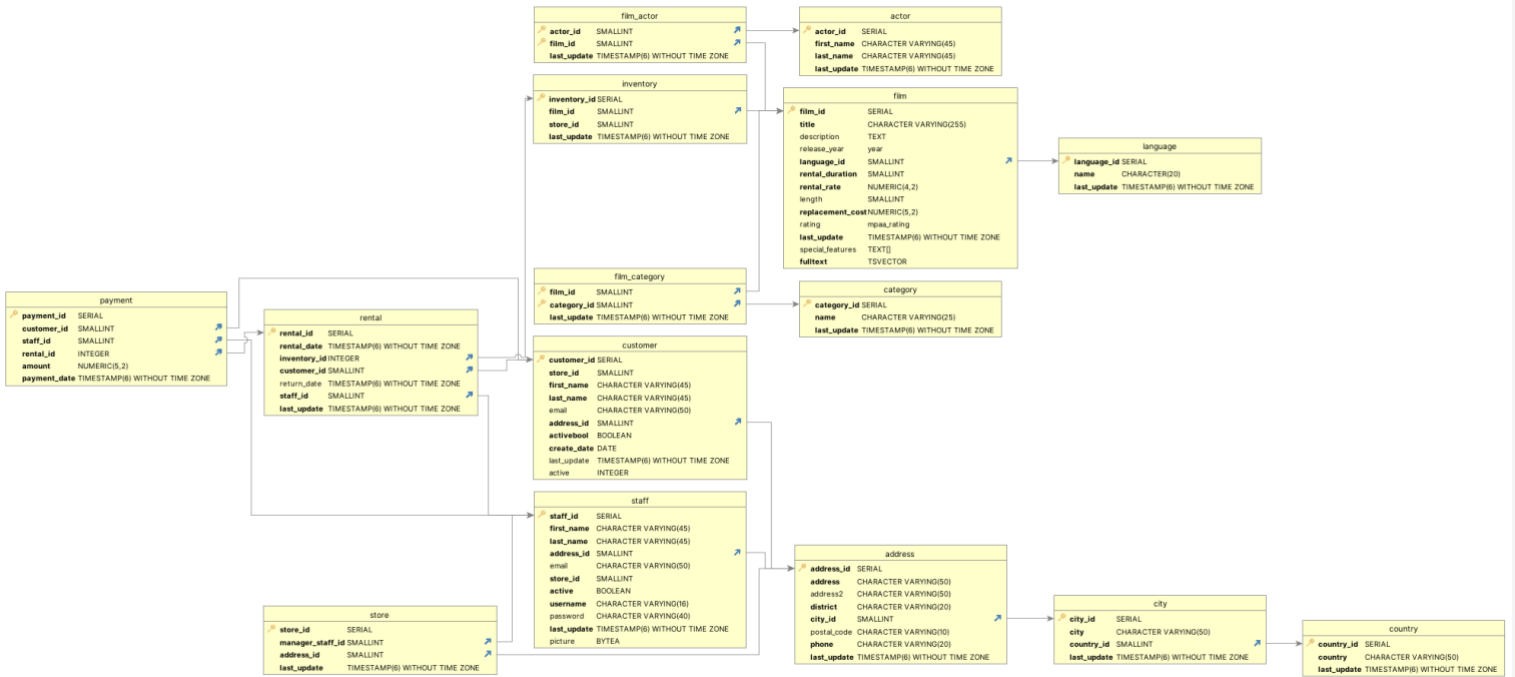
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Rockbuster Stealth LLC

Rockbuster Stealth LLC is a movie rental company that is planning to launch an online video rental service to stay competitive with the likes of Netflix. Rockbuster's stores its data about their film inventory, customers, and payments, among other things. Rockbuster's data can be useful to discover insights on ways to launch an online video rental service.

Entity Relationship Diagram (ERD)

film_actor
actor_id	SMALLINT
film_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

actor
actor_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

inventory
inventory_id	SERIAL
film_id	SMALLINT
store_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film
film_id	SERIAL
title	CHARACTER VARYING(255)
description	TEXT
release_year	year
language_id	SMALLINT
rental_duration	SMALLINT
rental_rate	NUMERIC(4,2)
length	SMALLINT
replacement_cost	NUMERIC(5,2)
rating	mpaa_rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
special_features	TEXT[]
fulltext	TSVECTOR

language
language_id	SERIAL
name	CHARACTER(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

film_category
film_id	SMALLINT
category_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

category
category_id	SERIAL
name	CHARACTER VARYING(25)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

payment
payment_id	SERIAL
customer_id	SMALLINT
staff_id	SMALLINT
rental_id	INTEGER
amount	NUMERIC(5,2)
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE

rental
rental_id	SERIAL
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id	INTEGER
customer_id	SMALLINT
return_date	TIMESTAMP(6) WITHOUT TIME ZONE
staff_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

customer
customer_id	SERIAL
store_id	SMALLINT
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
email	CHARACTER VARYING(50)
address_id	SMALLINT
activebool	BOOLEAN
create_date	DATE
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
active	INTEGER

staff
staff_id	SERIAL
first_name	CHARACTER VARYING(45)
last_name	CHARACTER VARYING(45)
address_id	SMALLINT
email	CHARACTER VARYING(50)
store_id	SMALLINT
active	BOOLEAN
username	CHARACTER VARYING(16)
password	CHARACTER VARYING(40)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE
picture	BYTEA

address
address_id	SERIAL
address	CHARACTER VARYING(50)
address2	CHARACTER VARYING(50)
district	CHARACTER VARYING(20)
city_id	SMALLINT
postal_code	CHARACTER VARYING(10)
phone	CHARACTER VARYING(20)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

store
store_id	SERIAL
manager_staff_id	SMALLINT
address_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

city
city_id	SERIAL
city	CHARACTER VARYING(50)
country_id	SMALLINT
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

country
country_id	SERIAL
country	CHARACTER VARYING(50)
last_update	TIMESTAMP(6) WITHOUT TIME ZONE

Primary Key: 🔑

Foreign Key: 🔑

FACT TABLES:

Payment		
Column	**Data Type**	**Description**
payment_id 🔑	Serial	Primary Key, Unique identifier for payment
customer_id 🔑	Smallint	Unique identifier for customer
staff_id 🔑	Smallint	Unique identifier for staff
rental_id 🔑	Integer	Unique identifier for rental
amount	Numeric (5,2)	Numerical value cost
payment_date	Timestamp(6) without time zone	Date payment was made

LINKS TO:

Table	Join	Description
Customer	Payment.customer_id = Customer.customer_id	Foreign key reference to customer table
Staff	Payment.staff_id = Staff.staff_id	Foreign key reference to staff table
Rental	Payment.rental_id = Rental.rental_id	Foreign key reference to rental table

LINKS FROM: NONE

UNIQUE KEYS:

Column	Key Type	Description
payment_id	Primary Key 🔑	Primary Key, Unique identifier for payment
customer_id	Foreign Key 🔑	Unique identifier for customer
staff_id	Foreign Key 🔑	Unique identifier for staff
rental_id	Foreign Key 🔑	Unique identifier for rental

Rental		
Column	**Data Type**	**Description**
Rental_id 🔑	Serial	Primary Key, Unique identifier for rentals
Rental_date	Timestamp(6) Without Time Zone	Date rental was made
Inventory_id 🔑	Integer	Unique identifier for inventory
Customer_id 🔑	Smallint	Unique identifier for customer
Return_date	Timestamp(6) without time zone	Date rental was returned
Staff_id 🔑	Smallint	Unique identifier for staff
Last_update	Timestamp(6) without time zone	Latest rental update

LINKS TO:

Table	Join	Description
Inventory	Rental.inventory_id = Inventory.inventory_id	Foreign key reference to inventory table
Customer	Rental.customer_id = Customer.customer_id	Foreign key reference to customer table
Staff	Rental.Staff_id = Staff.staff_id	Foreign key reference to staff table

LINKS FROM:

Table	Join	Description
Payment	Rental.rental_id = Payment.rental_id	Foreign key reference to payment table

UNIQUE KEYS:

Column	Key Type	Description
Rental_id	Primary Key 🔑	Primary Key, Unique identifier for rentals
Inventory_id	Foreign Key 🔑	Unique identifier for inventory
Customer_id	Foreign Key 🔑	Unique identifier for customer

DIMENSIONS TABLE:

Film actor		
Column	**Data Type**	**Description**
Actor_id 🔑	smallint	Primary Key, Unique identifier for actor
Film_id 🔑	smallint	Unique identifier for film
Last_update	Timestamp(6) without time zone	Latest update of film actor

LINKS TO:

Table	**Join**	**Description**
Actor	Film_actor.actor_id = Actor.actor_id	Foreign key reference to actor table
Film	Film_actor.film_id = Film.actor_id	Foreign key reference to film table

LINKS FROM: NONE

UNIQUE KEYS:

Column	**Key Type**	**Description**
Actor_id	Primary Key 🔑	Primary Key, Unique identifier for actor
Film_id	Foreign Key 🔑	Unique identifier for film

Actor		
Column	**Data Type**	**Description**
Actor_id 🔑	Serial	Primary Key, Unique identifier for actor
First_name	Character varying(45)	Actor first name
Last_name	Character varying(45)	Actor last name
Last_update	Timestamp(6) without time zone	Latest actor update

LINKS TO: NONE

LINKS FROM:

Table	**Join**	**Description**
Film_actor	Actor.actor_id = Film_actor.actor_id	Foreign key reference to Film_actor table

UNIQUE KEYS:

Column	**Key Type**	**Description**
Actor_id	Primary Key 🔑	Primary Key, Unique identifier for actor

Film		
Column	**Data type**	**Description**
Film_id 🔑	Serial	Primary Key, Unique identifier for film
Title	Character varying(255)	Title of film
Description	Text	Description of film
Release_year	Year	Year film was released
Language_id 🔑	Smallint	Unique identifier for language
Rental_duration	Smallint	Duration film was rented
Rental_rate	Numerical (4,2)	Rate of film rental
length	Smallint	Length of film
Replacement_cost	Numeric(5,2)	Cost of film replacement
Rating	Mpaa_rating	Rating of film
Last_update	Timestamp(6) without time zone	Latest update
Special_features	Text	Special feature of film
Fulltext	TSvector	Film index

LINKS TO:

Table	**Join**	**Description**
Language	Film.language_id = Language.language_id	Foreign key reference to Language table

LINKS FROM:

Table	**Join**	**Description**
Film_actor	Film.film_id = Film_actor.film_id	Foreign key reference to Film_actor table
Inventory	Film.film_id = Inventory.film_id	Foreign key reference to Inventory table
Film_category	Film.film_id = Film_category.film_id	Foreign key reference to Film_category table

UNIQUE KEYS:

Column	**Key Type**	**Description**
Film_id	Primary Key 🔑	Primary Key, Unique identifier for film
Language_id	Foreign Key 🔑	Unique identifier for language

Language		
Column	**Data Type**	**Description**
Language_id 🔑	Serial	Primary Key, Unique identifier for language
Name	Character(20)	Name of language
Last_update	Timestamp(6) without time zone	Latest language update

LINKS TO: NONE

LINKS FROM:

Table	Join	Description
Film	Language.language_id = Film.language_id	Foreign key reference to Film table

UNIQUE KEYS:

Column	Key Type	Description
Language_id	Primary Key 🔑	Primary Key, Unique identifier for language

Inventory		
Column	**Data Type**	**Description**
Inventory_id 🔑	serial	Primary Key, Unique identifier for inventory
Film_id 🔑	Smallint	Unique identifier for film
Store_id	Smallint	Unique identifier for store
Last_update	Timestamp(6) without time zone	Latest update of inventory

LINKS TO:

Table	**Join**	**Description**
Film	Inventory.film_id = Film.film_id	Foreign key reference to Film table

LINKS FROM:

Table	**Join**	**Description**
Rental	Inventory.intentory_id = Rental.inventory_id	Foreign key reference to Rental table

UNIQUE KEYS:

Column	**Key Type**	**Description**
Inventory_id	Primary Key 🔑	Primary Key, Unique identifier for inventory
Film_id	Foreign Key 🔑	Unique identifier for film

Film Category		
Column	**Data Type**	**Description**
Film_id 🔑	Smallint	Primary Key, Unique identifier for film
Category_id 🔑	Smallint	Unique identifier for category
Last_update	Timestamp(6) without time zone	Latest update of film category

LINKS TO:

Table	Join	Description
Film	Film_category.film_id = Film.film_id	Foreign key reference to Film table
Category	Film_category.category_id = Category.category_id	Foreign key reference to category table

LINKS FROM: NONE

UNIQUE KEYS:

Column	Key Type	Description
Film_id	Primary Key 🔑	Primary Key, Unique identifier for film
Category_id	Foreign Key 🔑	Unique identifier for category

Category		
Column	**Data type**	**Description**
Category_id	Serial	Primary Key, Unique identifier for category
Name	Character varying(25)	Name of category
Last_update	Timestamp(6) without time zone	Latest update of category

LINKS TO: NONE

LINKS FROM:

Table	Join	Description
Film_category	Category.category_id = Film_category.category_id	Foreign key reference to Film_category table

UNIQUE KEYS:

Column	Key Type	Description
Category_id	Primary Key 🔑	Unique identifier for category

Customer		
Column	**Data Type**	**Description**
Customer_id 🔑	Serial	Primary Key, Unique identifier for customer
Store_id	Smallint	Unique identifier for store
First_name	Character varying(45)	First name of customer
Last_name	Character varying(45)	Last name of customer
Email	Character varying(50)	Customers email
Address_id 🔑	Smallint	Unique identifier for customer address
Activebool	Boolean	Customer active status
Create_date	Date	Date customer created
Last_update	Timestamp (6) without time zone	Latest customer update
Active	integer	Active integer

LINKS TO:

Table	**Join**	**Description**
Address	Customer.address_id = Address.address_id	Foreign key reference to Address table

LINKS FROM:

Table	**Join**	**Description**
Payment	Customer.customer_id = Payment.customer_id	Foreign key reference to Payment table
Rental	Customer.customer_id = Rental.customer_id	Foreign key reference to Rental table

UNIQUE KEYS:

Column	**Key Type**	**Description**
Customer_id	Primary Key 🔑	Primary Key, Unique identifier for customer
Address_id	Foreign Key 🔑	Unique identifier for customer address

Staff		
Column	**Data Type**	**Description**
Staff_id 🔑	Serial	Primary Key, Unique identifier of staff member
First_name	Character varying (45)	First name of staff member
Last_name	Character varying (45)	Last name of staff member
Address_id 🔑	Small int	Unique identifier of address
Email	Character varying (50)	Staff member email address
Store_id	Small int	Unique identifier of store
Active	Boolean	status of whether staff is currently employed
Username	Character varying (16)	Staff member username
Password	Character varying (40)	Staff member password
Last_update	Timestamp (6) without time zone	Last update of staff member profile.
Picture	Bytea	Picture of staff member

LINKS TO:

Table	**Join**	**Description**
Address	Customer.address_id = Address.address_id	Foreign key reference to Address table

LINKS FROM:

Table	**Join**	**Description**
Payment	Staff.staff_id = Payment.staff_id	Foreign key reference to Payment table
Rental	Staff.staff_id = Rental.staff_id	Foreign key reference to Rental table
Store	Staff.staff_id = Store.staff_id	Foreign key reference to Store table

UNIQUE KEYS:

Column	**Key Type**	**Description**
Staff_id	Primary Key 🔑	Primary Key, Unique identifier of staff member
Address_id	Foreign Key 🔑	Unique identifier of address

Store		
Column	**Data Type**	**Description**
Store_id 🔑	Serial	Primary Key, Unique identifier for store
Manager_staff_id 🔑	Smallint	Unique identifier for manager staff
Address_id 🔑	Smallint	Unique identifier for address
Last_update	Timestamp(6) without time zone	Latest update of table

LINKS TO:

Table	**Join**	**Description**
Address	Store.address_id = Address.address_id	Foreign key reference to Address table
Staff	Store.manager_staff_id = Staff.staff_id	Foreign key reference to Staff table

LINKS FROM: NONE

UNIQUE KEYS:

Column	**Key Type**	**Description**
Store_id	Primary Key 🔑	Unique Identifier for a Store
Manager_staff_id	Foreign Key 🔑	Unique Identifier for Staff manager
Address_id	Foreign Key 🔑	Unique Identifier for Staff an address

Address		
Column	**Data Type**	**Description**
Address_id 🔑	Serial	Primary Key, Unique identifier for address
Address	Character varying(50)	Address line 1
Address2	Character varying(50)	Address line 2
District	Character varying(50)	District
City_id 🔑	Smallint	Unique identifier for city
Postal_code	Character varying(10)	Postal code of address
Phone	Character varying(20)	Phone number
Last_update	Timestamp(6) without time zone	Latest table update

LINKS TO:

Table	**Join**	**Description**
City	Address.city_id = City.city_id	Foreign key reference to City table

LINKS FROM:

Table	**Join**	**Description**
Customer	Address.address_id = Customer.address_id	Foreign key reference to Customer table
Staff	Address.address_id = Staff.address_id	Foreign key reference to staff table
Store	Address.address_id = Store.address_id	Foreign key reference to store table

UNIQUE KEYS:

Column	**Key Type**	**Description**
Address_id	Primary Key 🔑	Unique Identifier for an Address
City_id	Foreign Key 🔑	Unique Identifier for a city

City		
Column	**Data type**	**Description**
City_id 🔑	Serial	Primary Key, Unique identifier for city
City	Character varying(50)	Name of city
Country_id 🔑	Smallint	Unique identifier for country
Last_update	Timestamp(6) without time zone	Latest table update

LINKS TO:

Table	**Join**	**Description**
Country	City.country_id = Country.country_id	Foreign key reference to Country table

LINKS FROM:

Table	**Join**	**Description**
Address	City.city_id = Address.city_id	Foreign key reference to Address table

UNIQUE KEYS:

Column	**Key Type**	**Description**
City_id	Primary key 🔑	Unique Identifier for a City
Country_id	Foreign key 🔑	Unique Identifier for a Country

Country		
Column	**Data type**	**Description**
Country_id 🔑	Serial	Primary Key, Unique identifier for country
Country	Character varying(50)	Country name
Last_update	Timestamp(6) without time zone	Latest table update

LINKS TO: NONE

LINKS FROM:

Table	Join	Description
City	Country.country_id = City.country_id	Foreign key reference to City table

UNIQUE KEY:

Column	Key Type	Description
Country_id	Primary Key 🔑	Unique Identifier for a Country