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Data Dictionary

Rockbuster Stealth LLC



Carlos Nassim Khalili Boukai

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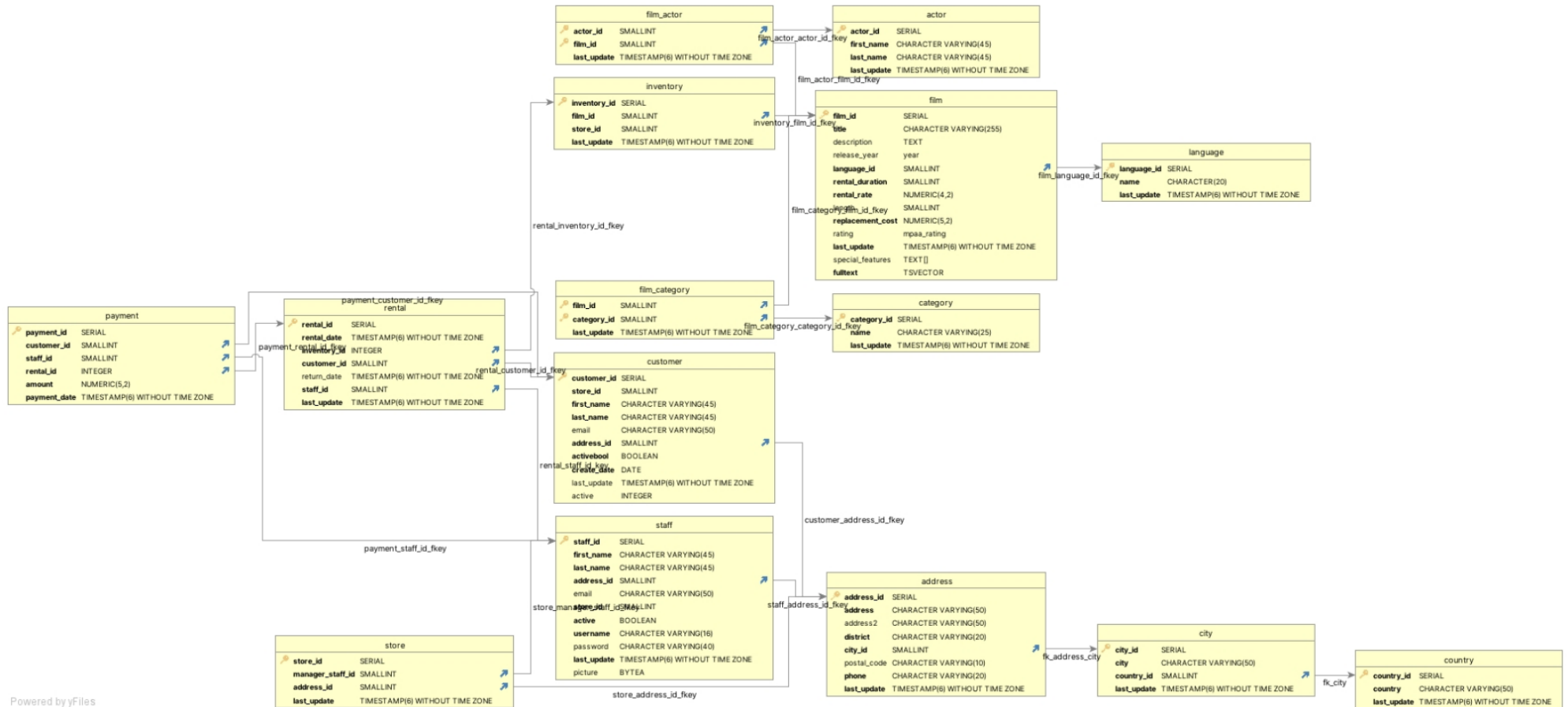
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Entity Relationship Diagram



Legends



= **Primary Key**



= **Link to**

Content Format

1-Description of table

2-Table: Keys and Links

3-Table: Contents and Data Types

Fact Tables

Film: includes the title of each film and a brief description of it, film id, release year, language id, rental duration, rating, replacement cost, and last update column.

Table Name	Film
Primary Key	film_id
Foreign Key/s	language_id
Links to:	Language
Links from:	Inventory, Film_category
Data Contents	
<u>Data name</u>	<u>Data type</u>
Film_id	Serial
Title	varchar
Description	Text
Release_year	Integer
Language_id	Smallint
Rental_duration	Smallint
Rental_rate	Numeric
Length	Smallint
Replacement Cost	Numeric
Rating	mpaa_rating
Last_update	time stamp
Special_features	Text

Customer: includes first and last customer's name, their primary form of ommunication (email address) and the date when it was updated.

Table Name	Customer
Primary Key	customer_id
Foreign Key/s	address_id
Links to:	address
Links from:	payment, rental
Data Contents	
Data name	Data type
Customer_id	Serial
Store_id	Smallint
First_name	Varchar
Last_name	Varchar
Address_id	Smallint
Email	Varchar
Activebool	Boolean
Create Date	Date
Last-update	Time Stamp
Active	Integer

Staff: worker's first and last name, their id, their address id, their email address, store id, user name, and update date.

Table Name	Staff
Primary Key	Staff_id
Foreign Key/s	Address_id
Links to:	Address

Links from:	Payment, rental, store
Data Contents	
<u>Data name</u>	<u>Data type</u>
Staff_id	Serial
First_name	Varchar
Last_name	Varchar
Address_id	Smallint
Email	Varchar
Store_id	Smallint
Active	Boolean
Username	Varchar
Password	Varchar
Last_update	Time stamp

Dimesion Tables

Actor: includes first and last names of an actor or actress

Table Name	Actor
Primary Key	Actor_id
Foreign Key/s	N/A
Links to:	N/A
Links from:	Film_actor

Data Content	
<u>Data name</u>	<u>Data type</u>
Actor_id	Serial
First_name	Varchar
Last_name	Varchar
Last_update	Time stamp

Film_actor: includes film id, actor id and update date.

Table Name	Film_actor
Primary Key	N/A
Foreign Key/s	Film_id, Actor_id
Links to:	Actor, Film, Film Category
Links from:	N/A
Data Content	
<u>Data name</u>	<u>Data type</u>
Actor_id	Smallint
Film_id	Smallint
Last_update	Time stamp

Category: defines what type of film it is (such as comedy or documentary for example)

Table Name	Category
Primary Key	Category_id
Foreign Key/s	N/A
Links to:	N/A
Links from:	Film_category
Data Content	
<u>Data name</u>	<u>Data type</u>
Category_id	Serial
Name	Varchar
Last_update	Time stamp

Film category: includes film id, category id, and last update date.

Table Name	Film_category
Primary Key	N/A
Foreign Key/s	Film_id, Category_id
Links to:	Film, category
Links from:	N/A
Data Contents	
<u>Data name</u>	<u>Data type</u>
Film_id	Smallint
Category_id	Smallint
Last_update	Time stamp

Inventory: includes inventory id, film id, category id and store id.

Table Name	Inventory
Primary Key	Inventory_id
Foreign Key/s	Film_id, Store_id
Links to:	Film, film_actor, film_category, Store_id
Links from:	Rental
Data Content	
<u>Data name</u>	<u>Data type</u>
Inventory_id	Serial
Film_id	Smallint
Store_id	Smallint
Last_update	Time Stamp

Language: name and id of a language, and update date.

Table Name	Language
Primary Key	Language_id
Foreign Key/s	N/A
Links to:	N/A
Links from:	Film
Data Content	
<u>Data name</u>	<u>Data type</u>
Language_id	Serial

Name	Varchar
Last_update	Time Stamp

Address: includes full address of customer (street and number, district, city id and postcode) as well as their phone number.

Table Name	Address
Primary Key	Address_id
Foreign Key/s	City_id
Links to:	City
Links from:	Customer, Staff, Store
Data Content	
<u>Data name</u>	<u>Data type</u>
Address_id	Serial
Address	Varchar
Address 2	Varchar
District	Varchar
City_id	Smallint
Postal_code	Varchar
Phone	Varchar
Last_update	Time Stamp

City: tells the name of the city linked to the customer address, as well as their country id (in case there are two cities with the same name in different countries)

Table Name	City
Primary Key	City_id

Foreign Key/s	Country_id
Links to:	Country
Links from:	Address
Data Content	
<u>Data name</u>	<u>Data type</u>
City_id	Serial
City	Varchar
Country_id	Smallint
Last_update	Time Stamp

Country: tells the country where the customer lives

Table Name	Country
Primary Key	Country_id
Foreign Key/s	N/A
Links to:	N/A
Links from:	City
Data Content	
<u>Data name</u>	<u>Data type</u>
Country_id	Serial
Country	Varchar
Last Update	Time Stamp

Rental: rental id, date of rental, inventory id, customer id, return date, staff id, and update date.

Table Name	Rental
Primary Key	Rental_id
Foreign Key/s	Inventory_id, customer_id, staff_id
Links to:	Inventory, customer, staff
Links from:	Payment
Data Contents	
<u>Data name</u>	<u>Data type</u>
Rental_id	Serial
Rental_date	Time Stamp
Inventory_id	Integer
Customer_id	Smallint
Return_date	Time Stamp
Staff_id	Smallint
Last_update	Time Stamp

Payment: includes payment id, customer id, staff id, payment amount and date.

Table Name	Payment
Primary Key	Payment_id
Foreign Key/s	Customer_id, staff_id, rental_id
Links to:	Rental, customer, staff
Links from:	N/A
Data Content	Column1
<u>Data name</u>	<u>Data type</u>
Payment_id	Serial
Customer_id	Smallint
Staff_id	Smallint
Rental_id	Integer
Amount	Numerics
Payment_date	Time Stamp

Store: store id, manager id, address id, and update date.

Table Name	Store
Primary Key	Store_id

Foreign Key/s	Manager_staff_id, address_id
Links to:	Rental, customer, staff, payment, address
Links from:	N/A
Data Content	
<u>Data name</u>	<u>Data type</u>
Store_id	Serial
Manager_staff_id	Smallint
Address_id	Smallint
Last-update	Time Stamp