

Data Dictionary

Rockbuster Stealth Analysis

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Updated on 29-03-2023

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Entity Relationship Diagram (ERD)

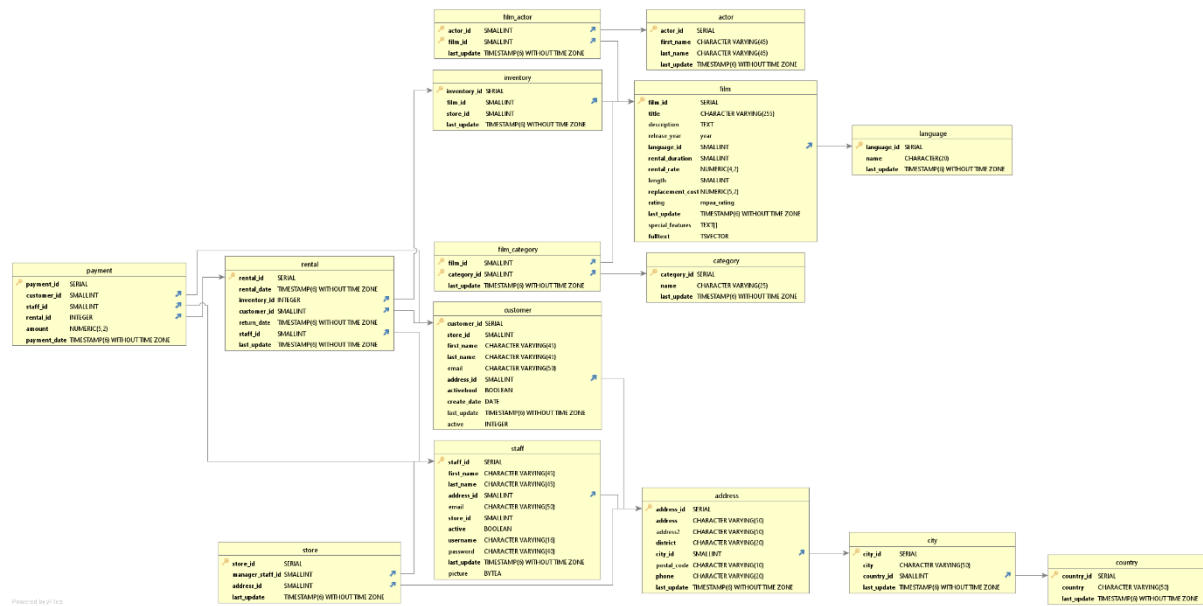


Fig1

Data Tables

Keys:

Primary Keys

- A primary key is a column or a group of columns that uniquely identifies the rows of data in the table.
- Primary Keys will be represented as **P**.

Foreign Keys

- A foreign key is a column in one table that refers to the primary key in another table.
- Foreign Keys will be represented as **F**.

Tables:

Payment Table:

Key	Table	Column	Data Type	Description
P	Payment	Payment_id	Serial	Unique identifier for payment
F		Customer_id	Smallint	Unique identifier for customer
F		Staff_id	Smallint	Unique identifier for staff
F		Rental_id	Integer	Unique identifier for rental
		Amount	Numeric (5,2)	Amount value
		Payment_date	Timestamp (6) without time zone	Payment date and time without time zone

Links To Tables:

Table Name	Linked Columns
Customer	Customer_id = Customer_id
Staff	Staff_id = Staff_id
Rental	Rental_id = Rental_id

Linked From Tables: No Tables

Rental table:

Key	Table	Column	Data Type	Description
P	Rental	Rental_id	Serial	Unique identifier for rental
		Rental_date	Timestamp (6) without time zone	Rental date and time without time zone
F		Inventory_id	Integer	Unique identifier for inventory
F		Customer_id	Smallint	Unique identifier for customer
		Return_date	Timestamp (6) without time zone	Date and time of return
F		Staff_id	Smallint	Unique identifier for staff
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked To Tables:

Tables	Linked Columns
Inventory	Inventory_id = Inventory_id
Customer	Customer_id = Customer_id
Staff	Staff_id = Staff_id

Linked From Tables:

Table Name	Linked Columns
Payment	Rental_id = Rental_id

Store Table:

Keys	Table	Column	Data Type	Description
P	Store	Store_id	Serial	Unique identifier for store
F		Manager_staff_id	Smallint	Unique identifier for manager staff
F		Address_id	Smallint	Unique identifier for address
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
Staff	Manager_Staff_id = Staff_id
Address	Address_id = Address_id

Linked from Tables: No tables

FilmActor Table:

Keys	Table	Column	Data Type	Description
P	Film Actor	Actor_id	Smallint	Unique identifier for Actor
F		Film_id	Smallint	Unique identifier for film
		Last_update	Time stamp (6) without time zone	Last update and time without time zone

Linked to tables:

Table Name	Linked Columns
Actor	Actor_id = Actor_id
Film	Film_id = Film_id

Linked from tables: No Tables

Inventory Table:

Keys	Table	Column	Data Type	Description
P	Inventory	Inventory_id	Serial	Unique identifier for inventory
F		Film_id	Smallint	Unique identifier for film
F		Store_id	Smallint	Unique identifier for store
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Column
Film	Film_id = Film_id

Linked from Tables:

Table Name	Linked Column
Rental	inventory_id = inventory_id

Film Category Table:

Keys	Table	Column	Data Type	Description
P	Film category	Film_id	Smallint	Unique identifier for film
F		Category_id	Smallint	Unique identifier for category
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
Film	Film_id = Film_id
Category	Category_id = Category_id

Linked from Tables: No Tables

Customer Table:

Keys	Table	Column	Data Type	Description
P	Customer	Customer_id	Serial	Unique identifier for customer
F		Store_id	Smallint	Unique identifier for store
		First_name	Character varying(45)	First name of the customer
		Last name	Character varying(45)	Last name of the customer
		Email	Character varying (50)	Email of the customer
F		Address_id	Smallint	Unique identifier for address
		Activebool	Boolean	Tell if customer is active
		Create_date	Date	Date when the customer was created in the system

		Last_update	Timestamp (6) without time zone	Last update and time without time zone
		Active	Integer	Number active

Linked to Tables:

Table Name	Linked Columns
Address	Address_id = Address_id

Linked from Tables:

Table Name	Linked Columns
Rental, Payment	customer_id = customer_id

Staff Table:

Keys	Table	Column	Data Type	Description
P	Staff	Staff_id	Serial	Unique identifier for staff
		First_name	Character varying (45)	First name of the staff
		Last_name	Character varying (45)	Last name of the staff
F		Address_id	Smallint	Unique identifier for the address
		Email	Character varying (50)	Email of the staff
F		Store_id	Smallint	Unique identifier for
		Active	Boolean	Tells if staff is active
		Username	Character varying (16)	Username of the staff
		Password	Character varying (40)	Password of the staff
		Last_update	Timestamp (6) without time zone	Last update and time without time zone
		Picture	Bytea	Picture of the staff

Linked to Tables:

Table Name	Linked Columns
Address	Address_id =Address_id

Linked from tables:

Table Name	Linked Columns
Rental,payment,store	staff_id = staff_id , manager_staff_id=staff_id

Actor Table:

Keys	Table	Column	Data Type	Description
P	Actor	Actor_id	Serial	Unique identifier for
		First_name	Character varying (45)	First name of the actor
		Last_name	Character varying (45)	Last name of the actor
		Last_update	Timestamp (6) without timezone	Last update and time without time zone

Linked to Tables: No tables

Linked From Tables:

Table Name	Linked Column
Film_actor	Actor_id = Actor_id

Film Table:

Keys	Table	Column	Data Type	Description
P	Film	Film_id	Serial	Unique identifier for film
		Title	Character Varying (255)	The title of the film
		Description	Text	Description of the film
		Release_year	Year	The release year of the film
F		Language_id	Smallint	Unique identifier for language
		Rental_duration	Smallint	The rental duration of the film
		Rental_rate	Numeric (4,2)	The rental rate of the film
		Length	Smallint	The length of the film

		Replacement_cost	Numeric (5,2)	The replacement cost of the film
		Rating	Mpaa_rating	The rating of the film
		Last_update	Timestamp (6) without Time Zone	Last update and time without time zone
		Special_features	Text[]	Special features of the film
		Fulltext	Tsvector	Fulltext index

Linked to Tables:

Table Name	Linked Columns
Language	Language_id = language_id

Linked from Tables:

Table Name	Linked Columns
Film_actor	Film_id = Film_id
Film_category, inventory	Film_id = Film_id

Category Table:

Keys	Table	Column	Data Type	Description
P	category	Category_id	Serial	Unique identifier for category
		Name	Character varying (25)	The name of the category
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables: No tables

Linked from Tables:

Table Name	Linked Column
Film_category	Category_id = Category_id

Language Table:

Keys	Table	Column	Data Type	Description
P	Language	Language_id	Serial	Unique identifier for

		Name	Character (20)	The name of the language
		Last_update	Timestamp (6) without timezone	Last update and time without time zone

Linked to Tables: No table

Linked from Tables:

Table Name	Linked Columns
Film	Language_id = Language_id

Address Table:

Keys	Table	Column	Data Type	Description
P	Address	Address_id	Serial	Unique identifier for address
		Address	Character varying (50)	First line of an address
		Address 2	Character varying 20	Second line of an address
		District	Character varying 20	The region of an address
F		City_id	Smallint	The city of an address
		Postal_code	Character varying (10)	The postal code for an address
		Phone	Character varying (20)	The phone number for an address
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
City	City_id = City_id

Linked from Tables:

Table Name	Linked Column
Staff, store	Address_id = Address_id
Customer	Address_id = Address_id

City Table:

Keys	Table	Column	Data Type	Description
P	City	City_id	Serial	Unique identifier for city
		City	Character varying (50)	Name of the city
F		Country_id	Smallint	Unique identifier for country
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
Country	Country_id = Country_id

Linked from Tables:

Table Name	Linked Columns
Address	city_id = city_id

Country Table:

Keys	Table	Column	Data Type	Description
P	Country	Country_id	Serial	Unique identifier for country
		Country	Character Varying (50)	Name of country
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables: No tables

Linked from Tables:

Table Name	Linked Columns
City	country_id = Country_id