

ROCKBUSTER STEALTH DATA DICTIONARY

Beatriz Acosta

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Table of Contents

1.Fact Tables.	3
1.1. Payment	3
1.2.Rental	3
2.Dimension Tables.....	4
2.1. Film_Actor	4
2.2. Actor.....	4
2.3. Inventory.....	4
2.4. Film.....	5
2.5. Language	5
2.6. Film_Category	6
2.7. Category	6
2.8. Customer.....	6
2.9. Store	7
2.10. Staff.....	7
2.11. Address	8
2.12. City	8
2.13. County.....	8
3. Entity Relationship Diagram (ERD):.....	10

1.Fact Tables.

1.1. Payment

Columns	Key	Data Type	Description
Payment_id	Primary	SERIAL	Unique identifier associated with payment transaction
Customer_id	Foreign	SMALLINT	Unique identifier assigned to costumer
Staff_id	Foreign	SMALLINT	Unique identifier assigned to staff
Rental_id	Foreign	INTEGER	Unique identifier for rental transaction
Amount	N/A	NUMERIC	Total coast of rental
Payment_date	N/A	TIMESTAMP T W/OUT TIME ZONE	Date and time the rental was paid

1.2.Rental

Column	Key	Data Type	Description
Rental_id	Primary	SERIAL	Unique identifier for rental transaction
Renta_date	N/A	TIMESTAMP W/OUT TIME ZONE	Date and time the movie was rented
Inventory_id	Foreign	INTEGER	Unique identifier assigned to the specific rental unit
Customer_id	Foreign	SMALLINT	Unique identifier assigned to costumer
Return_date	N/A	TIMESTAMP W/OUT TIME ZONE	Date and time movie was returned
Staff_id	Foreign	SMALLINT	Unique identifier assigned to staff
Last_Update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the rental data was updated

2.Dimension Tables

2.1. Film_Actor

Columns	Key	Data Type	Description
Actor_id	Foreign	SMALLINT	Unique Identifier assigned to an actor
Film_id	Foreign	SMALLINT	Unique identifier assigned to a film
Last_Update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.2. Actor

Columns	Key	Data Type	Description
Actor_id	Primary	SERIAL	Unique Identifier assigned to an actor
First_name	N/A	CHARACTER VARYING	First name of the actor
Last_name	N/A	CHARACTER VARYING	Last name of the actor
Last_update	N/A	TIMESTAMP W/OUT TIME ZONE	Date and time the data was updated

2.3. Inventory

Columns	Key	Data Type	Description
Inventory_id	Primary	SERIAL	Unique identifier assigned to the specific rental unit
Film_id	Foreign	SMALLINT	Unique identifier assigned to a film
Store_id	Foreign	SMALLINT	Unique identifier associated with a specific Rockbuster location
Last_update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.4. Film

Columns	Key	Data type	Description
Film_id	Primary	SERIAL	Unique identifier of the film
Title	N/A	CHARACTER VARYING	Title of the film
Description	N/A	TEXT	Summary of the film
Release_year	N/A	YEAR	Year the film was released
Language_id	Foreign	SMALLINT	Unique identifier for the language of the film
Rental_Duration	N/A	SMALLINT	Number of days the film is rented for
Rental_rate	N/A	NUMERIC	Cost to rent the film per day
Length	N/A	SMALLINT	How long the film is in minutes
Replacement_cost	N/A	NUMERIC	Cost to replace the film if is lost
Rating	N/A	MPAA_RATING	MPAA rating system
Last_update	N/A	TIMESTAMP W/OUT TIME ZONE	Date and time the data was updated
Special_feaures	N/A	TEXT	Additional features include with rental of the film
Fulltext	N/A	TSVECTOP	Key words associated with the film

2.5. Language

Columns	Key	Data Type	Description
Language_id	Primary	SERIAL	Unique identifier for the language of the film
Name	N/A	CHARACTER VARYING	Language spoken in the film
Last_update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.6. Film_Category

Columns	Key	Data Type	Description
Film_id	Foreign	SMALLINT	Unique identifier of the film
Category_id	Foreign	SMALLINT	Unique identifier to a film category
Last_update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.7. Category

Columns	Key	Data Type	Description
Category_id	Primary	SERIAL	Unique identifier to a film category
Name	N/A	CHARACTER VARYING	Category name
Last_update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.8. Customer

Columns	Key	Data Type	Description
Customer_id	Primary	SERIAL	Unique identifier assigned to costumer
Store_id	Foreign	SMALLINT	Unique identifier associated with a specific Rockbuster location
First_name	N/A	CHARACTER VARYING	Customer first name
Last_name	N/A	CHARACTER VARYING	Customer last name
Email	N/A	CHARACTER VARYING	Customer email
Addres_id	Foreign	SMALLINT	Unique identifier for customer address
Activebool	N/A	BOOLEAN	Identifies if customer is active in the system

Create_date	N/A	DATE	Date the customer was first entered into the system
Last_update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated
Active	N/A	INTEGER	Identifies customer is active in the system

2.9. Store

Columns	Key	Data Type	Description
Store_id	Primary	Serial	Unique identifier associated with a specific Rockbuster location
Manager_staff_id	Foreign	SMALLINT	Unique identifier for the manager
Address_id	Foreign	SMALLINT	Unquie identifier for a Rockbuster location
Last_Update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.10. Staff

Columns	Key	Data Type	Description
Staff_id	Primary	SERIAL	Unique identifier assigned to staff
First_name	N/A	CHARACTER VARYING	Staff member first name
Last_name	N/A	CHARACTER VARYING	Staff member last name
Address_id	Foreign	SMALLINT	Unique identifier for staff member address
Email	N/A	CHARACTER VARYING	Staff member email
Store_id	N/A	SMALLINT	Unique identifier associated with a specific Rockbuster location
Active	N/A	BOOLEAN	Identifies if staff member is active in the system (true/false values)
Username	N/A	CHARACTER VARYING	Staff member username
Password	N/A	CHARACTER VARYING	Staff member password

Last_update	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated
Picture	N/A	BYTEA	Picture of the staff member

2.11. Address

Columns	Key	Data Type	Description
Address_id	Primary	SERIAL	Unique identifier for addresses
Address	N/A	CHARACTER VARYING	First line of address
Address2	N/A	CHARACTER VARYING	Second line of address
District	N/A	CHARACTER VARYING	Geographic area
City_id	Foreign	SMALLINT	Unique identifier for a city
Postal_code	N/A	CHARACTER VARYING	Postal/zip code
Phone	N/A	CHARACTER VARYING	Phone number
Last_updated	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.12. City

Columns	Key	Data Type	Description
City_id	Primary	SERIAL	Unique identifier for a city
City	N/A	CHARACTER VARYING	City name
Country_id	Foreign	SMALLINT	Unique identifier for a country
Last_Updated	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated

2.13. County

Columns	Key	Data Type	Description
Country_id	Primary	SERIAL	Unique identifier for a country
Country	N/A	CHARACTER VARYING	Country Name

Last_updated	N/A	TIMESTAMP W/OUT TIMEZONE	Date and time the data was updated
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3. Entity Relationship Diagram (ERD):

