ROCKBUSTER STEALTH
DATA DICTIONARY
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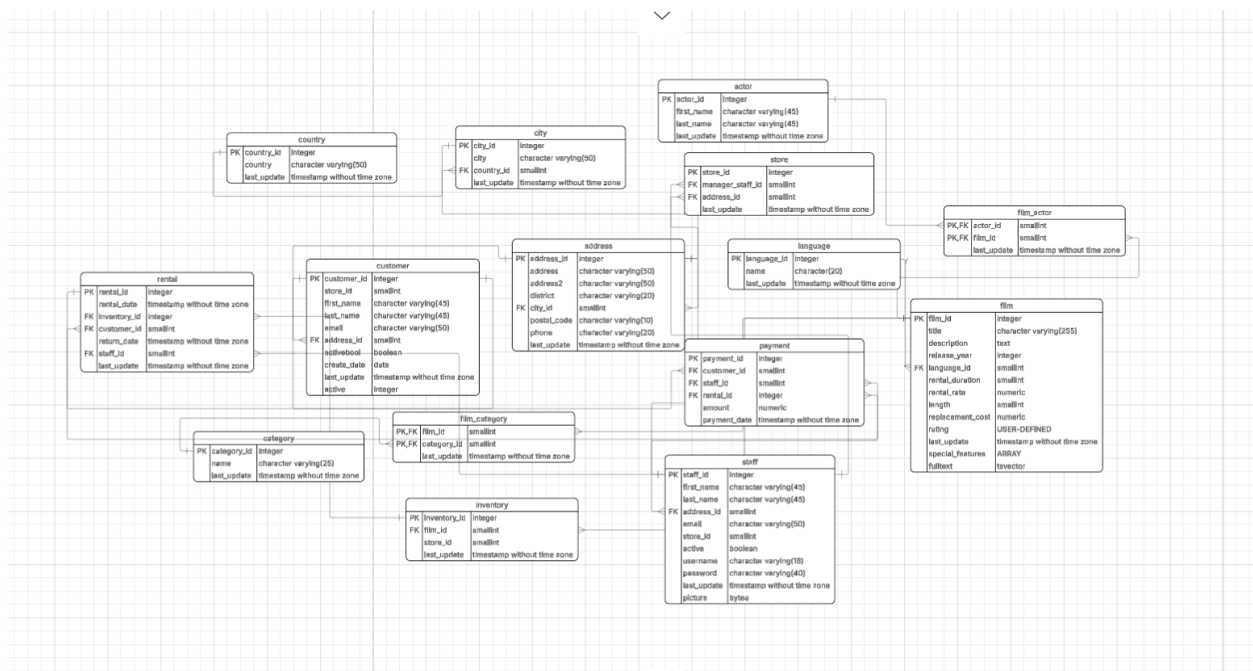
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01 ROCKBUSTER STEALTH LLC

Introduction

THIS DATA DICTIONARY PROVIDES A DETAILED OVERVIEW OF THE ROCKBUSTER STEALTH DATABASE USED IN THE ANALYSIS. IT DOCUMENTS THE STRUCTURE, RELATIONSHIPS, AND KEY FIELDS OF BOTH FACT AND DIMENSION TABLES TO SUPPORT TRANSPARENCY, REPRODUCTIVITY, AND BUSINESS UNDERSTANDING.

DATA SET

SCHEMA: SNOWFLAKE

02 FACT TABLES

Payment Table

Records of all the customer payments associated with movie rentals

Column	Data Type	Description	Relationship
Payment_id	Integer	Payment id number	Primary Key
Customer_id	Smallint	Customer id for whom made the payment	Foreign Key links to customer and rental tables
Staff_id	Smallint	Staff member who process payment	Foreign Key links to Staff table
Rental_id	Integer	Id relating to the rental	Foreign in Key Links to Rental table
Amount	Numeric	Payment amount	
Payment_date	Timestamp without time zone	Date/time of payment being made	

Rental Table

Records each rental transaction, capturing when a film was rented and returned, which inventory item was rented, and which customer initiates the rental.

Column	Data Type	Description	Relationship
Rental_id	integer	Id for each rental	Primary Key; foreign key in payment table
Rental_date	Timestamp without time zone	Date/time the rental was made	
Inventory_id	integer	The specific id of the rental item	Foreign Key linked to inventory table
Customer_id	smallint	Id for the customer who rented a film	Foreign Key linked to customer
Return_date	Timestamp without time zone	Date/time the rental needs to be returned	
Staff_id	smallint	Staff member who processed rental	Foreign key linked to staff table
Last_update	Timestamp without time zone	The last time the record was updated	

03 DIMENSION TABLES

Actor Table

Contains information associated with actors featured in films, including first and last names.

Column	Data Type	Description	Relationship
Actor_id	Integer	Unique actor id	Primary Key; foreign in fim_actor table
First_name	Character varying (45)	Actor's fist name	
Last_name	Character varying (45)	Actor's last name	
Last_update	Timestamp without time zone	Last update	

Address Table

Contains street level address information used by customers, staff, and stores.

Column	Data Type	Description	Relationship
Address_id	Integer	Unique address id	Primary Key; foreign key in customer, staff and store tables
Address	Character varying (50)	Street address	
Address2	Character varying (50)	Additional address info	
District	Character varying (25)	District	
City_id	smallint	City	Foreign key linked to city table
Postal_code	Character varying (10)	Postal code	
Phone	Character varying (20)	Phone number	
Last update	Timestamp without time zone	Last update	

03 DIMENSION TABLES

Category Table

Defines the movie genre in the catalog

Column	Data Type	Description	Relationship
Category_id	Integer	Category id	Primary Key; foreign key in film category table
Name	Character varying (25)	Category name	
Last_update	Timestamp without time zone	Last update	

City Table

Stores city level geographic information linked to the address

Column	Data Type	Description	Relationship
City_id	integer	City id	Primary key; foreign key in address table
City	Character varying (50)	City name	
Country_id	smallint	Country name	Foreign key
Last-update	Timestamp without time zone	Last update	

Country Table

Gives countries names associates with customers, staff and store locations

Column	Data Type	Description	Relationship
Country_id	Integer	The id number of the country	Primary key; foreign key in city table
Country	Character varying (50)	The name of the country	
Last_update	Timestamp without time zone	Last update	

03 DIMENSION TABLES

Customer Table
Contains customer demographic and contact information including store affiliation, and address

Column	Data Type	Description	Relationship
Customer_id	integer	Unique customer id	Primary Key ; foreign key in rental and payment tables
Store_id	Smallint	Store customer belongs to	
First_name	Character varying (45)	Customer's first name	
Last_name	Character varying (45)	Customers last name	
Email	Character varying (50)	Customer's email	
Address_id	Smallint	Customer's address	Foreign key
Activebool	Boolean	Active customer flag	
Create_date	Date	Account creation date	
Last_update	Timestamp without time zone	Last update	
active	Integer	Active status	

03 DIMENSION TABLES

Film Table

Store detailed information about each movie in the catalog

Column	Data Type	Description	Relationship
Film_id	integer	Unique film id	Primary key; foreign key in inventory, film_actor and film_category tables
Title	Character varying (225)	Film title	
description	text	Film's description	
Release_year	integer	Year the film was released	
Language_id	Smallint	Film language	Foreign key
Rental_duration	smallint	Rental duration	
Rental_rate	numeric	Rental price	
length	smallint	Film length	
Replacement_cost	numeric	Replacement cost	
rating	USER-DEFINED	film rating	
Last update	Timestamp without time zone	Last update	
Special_features	ARRAY	Special features	
fulltext	tsvector	Search text	

Film Actor

Includes actor and film IDs

Column	Data Type	Description	Relationship
Actor_id	Smallint	actor's id	Primary key and Foreign Key
Film_id	smallint	Film's id	Primary key and Foreign Key
Last_update	Timestamp without time zone	Last update	

03 DIMENSION TABLES

Film Category Table

Film and category IDs

Column	Data Type	Description	Relationship
Film_id	smallint	Unique film id	Primary key and Foreign Key
Category_id	smallint	The id of the film category	Primary key and Foreign Key
Last update	Timestamp without time zone	Last update	

Inventory Table

Represents physical copies of films available for rental at each store

Column	Data Type	Description	Relationship
Inventory_id	integer	Unique inventory id	Primary key and Foreign Key
Film_id	smallint	Film name	
Store_id	smalliant	Store name	
Last update	Timestamp without time zone	Last update	

Language Table

Lists of the languages in which films are available

Column	Data Type	Description	Relationship
Language_id	Integer	Unique language id	Primary key and Foreign Key
Name	Character (20)	Language name	
Last_update	Timestamp without time zone	Last update	

03 DIMENSION TABLES

Staff Table

Stores information about employees working at Rockbuster locations, including name, contact details, store assignment and active status

Column	Data Type	Description	Relationship
Staff_id	integer	Unique staff id	Primary key and Foreign Key
First_name	Character varying (45)	Staff first name	
Last_name	Character varying (45)	Staff last name	
Address_id	Smallint fk	Staff's address	Foreign Key
Email	Character varying (50)	Staff email	
Store_id	smallint	The store the staff belongs to	
Active	boolean	Active status	
Username	Character varying (16)	Login username	
Password	Character varying (40)	Password	
Last_update	Timestamp without time zone	Last update	
picture	bytea	Staff's picture	

Store Table

Represents each physical store location, including managerial staff and address details.

Column	Data Type	Description	Relationship
Store_id	integer	Unique store id	Primary key and Foreign Key
Manager_staff_id	Smallint	Store manager	Foreign Key
Address_id	Smallint	Store adress	Foreign Key
Last update	Timestamp without time zone	Last update	