

Rockbuster Stealth LLC

Data Dictionary



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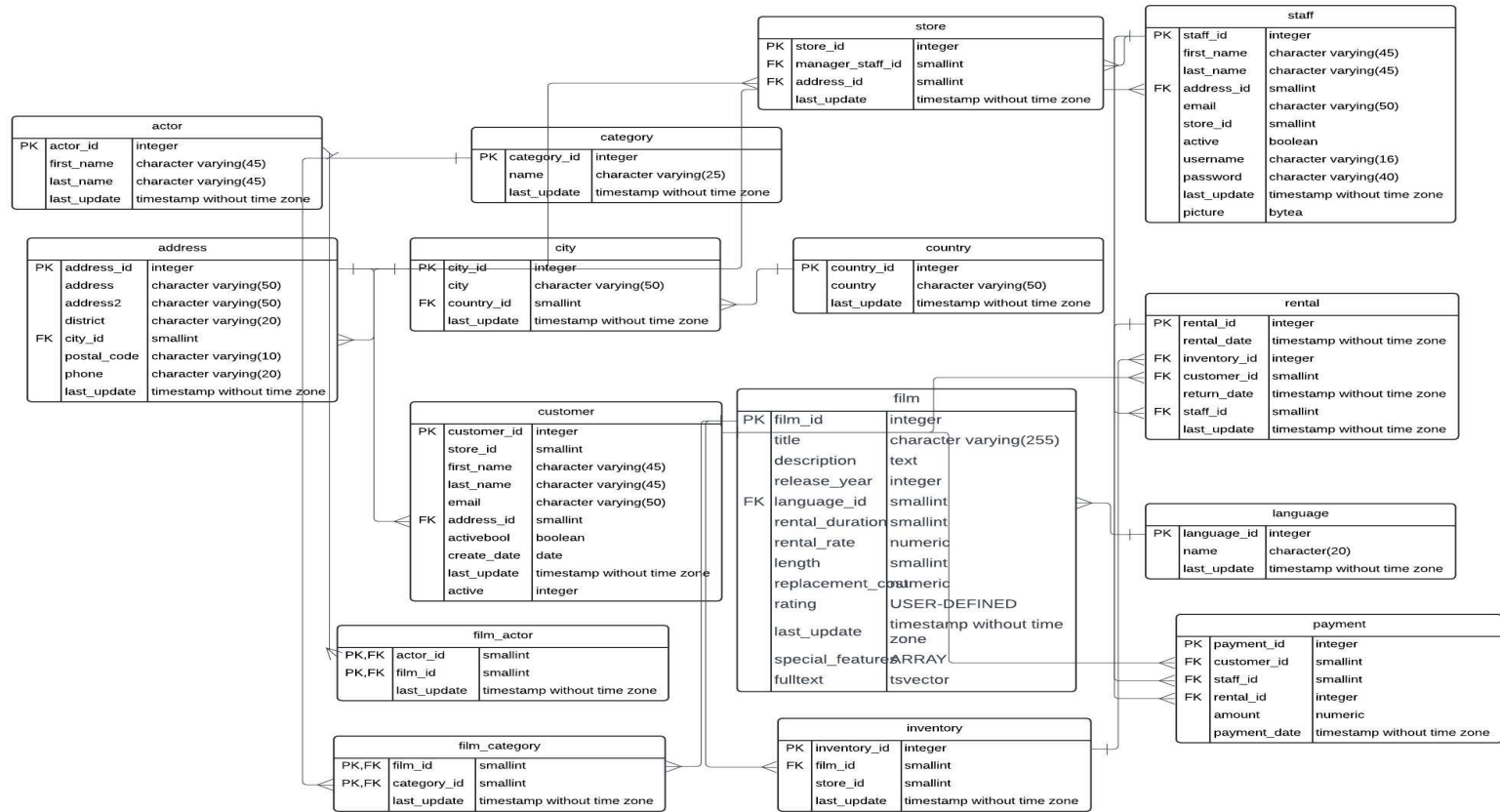
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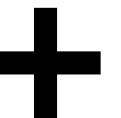
Rockbuster Entity Relationship Diagram (ERD)



Fact Table

– Payment

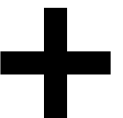
column_name	data_type	Description
payment_id	integer	Unique identifier of a payment
customer_id	smallint	Unique identifier of a customer
staff_id	smallint	Unique identifier of a Rental
rental_id	integer	Unique identifier of a member
amount	numeric	Price of the Rental
payment_date	timestamp without time zone	Amount of the payment



Fact table

– Rental

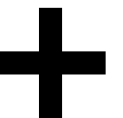
column_name	data_type	Description							
rental_id	integer	Primary Key							
rental_date	timestamp without time zone	Date and time movie was rented							
inventory_id	integer	Foreign key, larger integer, unique number used to identify a film or item to be rented by customers							
customer_id	smallint	Foreign key, small integer, unique number used to identify the customer							
return_date	timestamp without time zone	Temporal data, store both date (yyyy-mm-dd) and time (hours:minutes:sec). The date and time set as a deadline when the rental items to be returned.							
staff_id	smallint	Foreign key, small integer, unique number used to identify the personnel member of Rockbuster							
last_update	timestamp without time zone	Temporal data, store both date (yyyy-mm-dd) and time (hours:minutes:sec)							



Dimension Table

– Actor

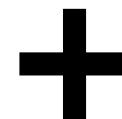
column_name	data_type	Description
actor_id	integer	Composite Primary Key to identify each actor (Foreign Key to Actor table)
first_name	character varying	Composite Primary Key to identify each actor (Foreign Key to Film table)
last_name	character varying	Composite Primary Key to identify each film (Foreign Key to Film table)
last_update	timestamp without time zone	Date and time records were updated



Dimension Table

– Staff

column_name	data_type	Description
staff_id	integer	Primary key, unique number used to identify the personnel member
first_name	character varying	Employee's first name, max 45 characters
last_name	character varying	Employee's last name, max 45 characters
address_id	smallint	Foreign key, employee's address, linked to Address table
email	character varying	Employee's email. Max 50 characters
store_id	smallint	Small integer, unique number used to identify the store in Rockbuster classification
active	boolean	True or false statement to indicate the employee's status. Boolean data can hold three possible values: true, false or null.
username	character varying	Employee's username / log- in ID for internal account, max 16 characters
password	character varying	Employee's password used to log in to internal account, max 40 characters
last_update	timestamp without time zone	Temporal data, store both date (yyyy-mm-dd) and time (hours:minutes:sec)
picture	bytea	Employee's picture. Bytea data type is used to store raw binary data



Dimention table

– language

column_name	data_type	Dimension
language_id	integer	Primary Key
name	character	Text - Language of film
last_update	timestamp without time zone	Date and time records were updated



Dimension table

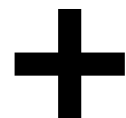
inventory



column_name	data_type	Description
inventory_id	integer	Primary Key
film_id	smallint	Foreign Key to film table
store_id	smallint	Foreign Key to store table
last_update	timestamp without time zone	Date and time records were updated

Dimension Table

Film category



column_name

data_type

Description

film_id

smallint

Composite Primary
Key to identify each
actor (Foreign Key to
Actor table)

category_id

smallint

Composite Primary
Key to identify each
film (Foreign Key to
Film table)

last_update

timestamp without time zone

Dimension table

Film Actor

column_name	data_type	Description	
actor_id	smallint	Composite Primary Key to identify each actor (Foreign Key to Actor table)	
film_id	smallint	Composite Primary Key to identify each film (Foreign Key to Film table)	
last_update	timestamp without time zone	Date and time records were updated	

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Dimension table

Film



column_name	data_type	Description
film_id	integer	Primary Key
title	character varying	Text – Title of the film
description	text	Text – Description of the film
release_year	integer	Release year
language_id	smallint	Foreign Key to language table
rental_duration	smallint	Duration of rental length
rental_rate	numeric	Rate of rental – two decimal places
length	smallint	Length of film
replacement_cost	numeric	Replacement cost
rating	USER-DEFINED	Film Rating
last_update	timestamp without time zone	Date and time records were updated
special_features	ARRAY	Additional information about the film
fulltext	tsvector	Additional information about film content

Dimension Table

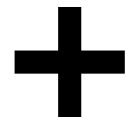
Customer



column_name	data_type	Description
customer_id	integer	Primary Key
store_id	smallint	Foreign Key to store table
first_name	character varying	Text – First name of customer
last_name	character varying	Text – Last name of customer
email	character varying	Text – email address of customer
address_id	smallint	Foreign Key to address table
activebool	boolean	Yes/No – is the customer active
create_date	date	Date when customer was recorded
last_update	timestamp without time zone	Date and time records were updated
active	integer	If the customer is active or not

Dimension Table


Country



column_name	data_type	Description
country_id	integer	Primary Key
country	character varying	Text- Country Name
last_update	timestamp without time zone	Date and time records were updated

Dimension Table

City




column_name	data_type	Description
city_id	integer	Primary Key
city	character varying	Text- City Name
country_id	smallint	Foreign Key to Country table
last_update	timestamp without time zone	Date and time records were updated

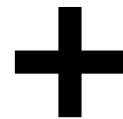
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Dimension table

Category



column_name	data_type	Description
category_id	integer	Primary Key
name	character varying	Text – Category name
last_update	timestamp without time zone	Date and time records were updated



Dimension Table

Address

column_name	data_type	Description
address_id	integer	Primary Key
address	character varying	Text – Address information
address2	character varying	Text – Address information
district	character varying	Text – Address information
city_id	smallint	Foreign Key to City table
postal_code	character varying	Address Information
phone	character varying	Phone Information
last_update	timestamp without time zone	Date and time records were updated

