



ROCKBUSTER STEALTH

DATA DICTIONERY

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1. Legends

Primary Key (PK):

The primary key is a column or set of columns that acts as a unique identifier for each record in a table. It has to be unique, it cannot be null, and the values of the primary key can't be modified if it is linked to another table.

Foreign Key(FK):





A foreign key is a column or set of columns that refers to the primary key in another table. Foreign keys are used to establish relationships between tables and are helpful in navigating from one table to another table.

2. Entity Relationship Diagram (ERD): An (ERD) illustrates the links between the tables in a relational database.



3. Tables

3.1. Fact Tables





3.1.1. Payment Table		
Columns	Data Type	Description
payment_id 	SERIAL	Unique payment identifier (Primary key)
customer_id 	SMALLINT	Unique customer identifier (Foreign key)
staff_id 	SMALLINT	Unique staff identifier (Foreign key)
rental_id 	INTEGER	Unique rental Identifier (Foreign key)
Amount	NUMERIC (5,2)	The amount of payment.
payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the payment

Links To

rental table (rental_id) customer table (customer_id), staff table (staff_id)

Links From

X (Not any table)

3.1.2. Rental Table		
rental_id 	SERIAL	Unique rental identifier (Primary key)
rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	The data and time of the rental.
inventory_id 	INTEGER	Unique inventory identifier (Foreign key)
customer_id 	SMALLINT	Unique customer identifier (Foreign key)
return_date	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the rental.
staff_id 	SMALLINT	Unique staff identifier (Foreign key)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.



Links To

inventory table (inventory_id), customer Table (customer_id), Staff Table (staff_id)

Links From

Payment Table (rental_id)

3.2. Dimension Tables:




3.2.1. Film_actor Table		
actor_id 	SMALLINT	Unique actor identifier
film_id 	SMALLINT	Unique film identifier (Foreign key)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

actor table(actor_id) film table(film_id)

Links From

X (Not any table)



3.2.2. Inventory Table		
inventory_id 	SERIAL	Unique inventory identifier (Primary key)
film_id 	SMALLINT	Unique film identifier (Foreign key)
store_id 	SMALLINT	Unique store identifier (Foreign key)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

film table(film_id), store table (store_id)

Links From

rental table (inventory_id)




3.2.3. Film_category Table		
film_id 	SMALLINT	Unique film identifier (Foreign key)
category_id 	SMALLINT	Unique category identifier (Primary key)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

film table (film_id), category table (category_id)

Links From

X (Not any table)




3.2.4. Customer Table		
customer_id 	SERIAL	Unique customer identifier (Primary key)
store_id 	SMALLINT	Unique store identifier (Foreign key)
first_name	CHARACTER VARYING (45)	First name of the customer (can be up to 45 characters long)
last_name	CHARACTER VARYING (45)	Last name of the customer (can be up to 45 characters long)
Email	CHARACTER VARYING (45)	Email address of the customer (can be up to 45 characters long)
address_id 	SMALLINT	Unique identifier of address (Foreign key)
Activebool	BOOLEAN	Customer's active status
ceate_date	DATE	The date and time of when the customer's profile was created.
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.
Active	INTEGER	Active status represented by 0 or 1

Links To

store table(store_id), address(address_id)

Links From

payment table (customer_id), rental (customer_id)

3.2.5. Staff Table		
staff_id 	SERIAL	Unique identifier of the staff (Primary key).
first_name	CHARACTER VARYING (45)	First name of the staff (can be up to 45 characters long)
last_name	CHARACTER VARYING (45)	Last name of the staff (can be up to 45 characters long)
address_id 	SMALLINT	Unique identifier of the address (Foreign key)
Email	CHARACTER VARYING (45)	Email address of the staff (can be up to 45 characters long)
store_id 	SMALLINT	Unique identifier of the store (Foreign key)
Active	BOOLEAN	Active status of the staff member



Username	CHARACTER VARYING (45)	Username of the staff member (can be up to 45 characters long)
Password	CHARACTER VARYING (45)	Password of the staff member (can be up to 45 characters long)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.
Picture	BYTEA	Staff member's picture

Links To

address table (address_id), store (store_id)

Links From

X (Not any table)


3.2.6. Store Table		
store_id 	SERIAL	Unique identifier of the store (Primary key)
manager_staff_id	SMALLINT	Unique identifier of manager staff (Foreign key)
address_id 	SMALLINT	Unique identifier of address (Foreign key)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

address table (address_table)

Links From

staff (store_id), inventory (store_id)


3.2.7. Actor Table		
actor_id 	SERIAL	Unique identifier of actor (Primary key)
first_name	CHARACTER VARYING (45)	First name of the actor (can be up to 45 characters long)
last_name	CHARACTER VARYING (45)	Last name of the actor (can be up to 45 characters long)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

X (Not any table)

Links From

film_actor table (actor_id)


3.2.8. Film Table		
film_id	SERIAL	Unique identifier of film (Primary key)
Title	CHARACTER VARYING (225)	Title of the film (that can be 225 characters long)
Description	TEXT	Film description that can be only textual.
release_year	Year	Year when the film was released
language_id 	SMALLINT	Unique identifier of language (Foreign key)
rental_duration	SMALLINT	Duration of time for which the film was rented
rental_rate	NUMERIC (4,2)	Rental rate
Length	SMALLINT	Length of the film
replacement_cost	NUMERIC (5,2)	Replacement cost of the film (here you can enter a total of five digits out which two are meant for keeping after the decimal point).
Rating	mppa_rating	Film rating
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.
special_features	TEXT []	Special features of the film
Fulltext	TSVECTOR	Film index, used for searching

Links To

language table (language_id)

Links From

film_actor table (film_id), inventory (film_id), film_category (film_id)



3.2.9. Category Table		
category_id 	SERIAL	Unique identifier of category (Primary key)
Name	CHARACTER VARYING (25)	Name of the category (can be up to 25 characters long)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

X (Not any table)

Links From

film_category (category_id)


3.2.10. Address Table		
address_id 	SERIAL	Unique identifier of address (Primary key)
Address	CHARACTER VARYING (50)	First line of address (can be 50 characters long)
address2	CHARACTER VARYING (50)	Second line of address (can be 50 characters long)
District	CHARACTER VARYING (20)	Address district (can be 20 characters long)
city_id 	SMALLINT	Unique identifier of city (Foreign key)
postal_code	CHARACTER VARYING (10)	Address postal code (can be 10 characters long)
Phone	CHARACTER VARYING (20)	Address phone number (can be 20 characters long)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

city table (city_id)

Links From

staff table (address_id), store (address_id), customer (address_id)



3.2.11. Language Table		
language_id 	SERIAL	Unique identifier of language (Primary key)
Name	CHARACTER VARYING (20)	Language's name (can be up to 20 characters long)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

X (Not any table)

Links From

film (language_id)


3.2.12. City Table		
city_id 	SERIAL	Unique identifier of city (Primary key)
City	CHARACTER VARYING (50)	City name (can be 50 characters long)
country_id 	SMALLINT	Unique identifier of country (Foreign key)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

country table (country_id)

Links From

address table (city_id)

3.2.13. Country Table		
country_id 	SERIAL	Unique identifier of country
Country	CHARACTER VARYING (50)	Country name (can be 50 characters long)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The date and time of the last update.

Links To

X (Not any table)

Links From

city table (country_id)