

Rockbuster Database Dictionary

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Step 3. Create the first draft of a data dictionary

Fact Tables-

Rental

Column	Data Type	Description
rental_id	Serial	The id assigned to each movie rental
rental_date	TIMESTAMP(6)WITHOUT TIMEZONE	The rent date
inventory_id	INTERGER	The id assigned for record keeping
Costomer_id	SMALLINT	Id number for the client
Return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date the return should occur
Staff_id	SMALLINT	Customer id to whom the movie was issued
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Last update on the event

Dimension Tables-

Payment

Columns	Data Type	Description
payment_id	Serial	The id assigned for record keeping
customer_id	Smallint	Customer id to whom the movie was issued
staff_id	SMALLINT	
rental_id	INTEGER	The id assigned to each rented movie
amount	NUMERIC	The amount paid for the customer
payment_date	TIMESTAMP(6)WITHOUT TIMEZONE	Time of payment

Costumer

Columns	Data Type	Description
customer_id	SERIAL	ID number for the client
store_id	SMALLINT	ID number for the store
first_name	CHARACTER VARYING (45)	The client first name
last_name	CHARACTER VARYING (45)	The client last name
email	CHARACTER VARYING (50)	Email address of the client
address_id	SMALLINT	Id number of the client address
activebool	BOOLEAN	Client is active or inactive option
create_date	DATE	Date which the costumer was created on the system
last_update	TIMESTAMP(6) WIHOUT TIMEZONE	Last update on the event
active	INTEGER	Client is active or inactive option

Staff

Columns	Data Type	Description
staff_id	SERIAL	The id assigned to each staff
first_name	CHARACTER VARYING(45)	First name of staff
last_name	CHARACTER VARYING(45)	Last name of staff
address_id	SMALLINT	Postal address of staff
email	CHARACTER VARYING(50)	Email address of staff
store_id	SMALLINT	The unique id assigned to each store
Active	BOOLEAN	Status whether customer is active or not
username	CHARACTER VARYING(16)	Username of staff
Password	CHARACTER VARYING(40)	Password of staf
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status
picture	BYTEA	Picture of staff

Film

Columns	Data Type	Descriptions
film_id	SERIAL	ID number for the movie
tittle	CHARACTER VARYING(25)	Text, title or the movie
description	TEXT	Text, description of the movie
release_year	YEAR	Year in which the movie was released
language_id	SMALLINT	Languages which the movie is available
rental_duration	SMALLINT	Duration of the rental for this movie
rental_rate	NUMERIC(4,2)	Cost of the rental
length	SMALLINT	Length of the movie
replacement_cost	NUMERIC(5,2)	Cost of a replacement unity
rating	mpaa_rating	Rating of the movie according to the MPAA ruling
last_update	TIMESTAMP(6) WIHOUT TIMEZONE	Last update on the event
special_features	TEXT	Special features available in the movie
fulltext	TSVECTOR	Keywords, metatags

Film_category

Columns	Data Type	Description
film_id	Serial	ID number for the movie
category_id	SMALLINT	ID number for the category of the movie
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Last update on the event

And etc.

Step 4. Find information Now that your data dictionary and ERD are ready to use, your manager has given you a list of business questions to answer. Use your data dictionary to figure out which tables you'd need to answer the questions below:

- A. Which actors brought Rockbuster the most revenue?
Film_actor, Film and Rental
- B. What language are the majority of movies in the collection?
Film and Language