DATA DICTIONARY

ROCKBUSTER STEALTH LLC

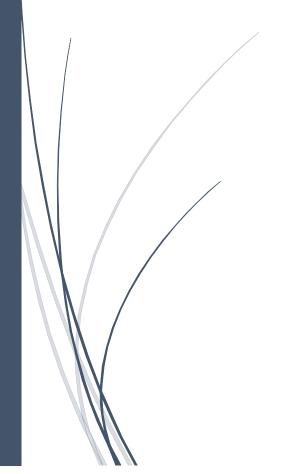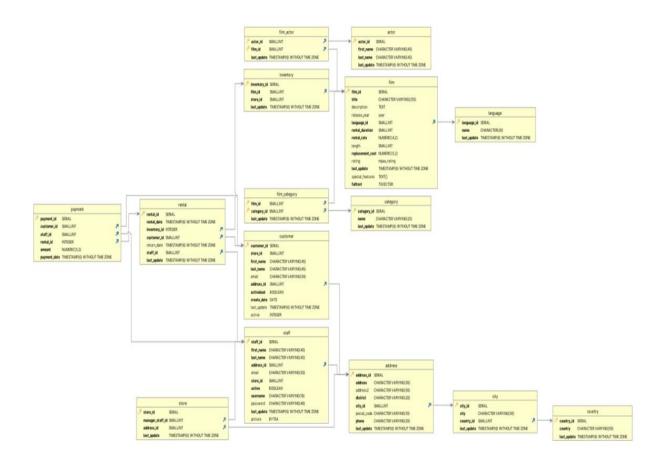Sam Abgaryan

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Entity Relationship Diagram (ERD)

Fact Tables			
PAYMENT			
	COLUMN	**DATA TYPE**	**DESCRIPTION**
	payment_id	SERIAL	Primary key(surrogate), integer, unique value for payment identification
	customer_id	SMALLINT	Foreign key, small integer, unique value for customer identification
	staff_id	SMALLINT	Foreign key, small integer, unique value for employee indentification
	rental_id	INTEGER	Foreign key, larger integer, unique value for transaction identification
	amount	NUMERIC(5,2)	Monetary value. The total number of digits cannot exceed 5 and 2 digits can be placed to the right of the decimal
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
RENTAL			
	rental_id	SERIAL	Primary key, integer, unique value for transaction indentification
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
	inventory_id	INTEGER	Foreign key, integer, unique value for inventory identification
	customer_id	SMALLINT	Foreign key, small integer, unique value for customer identification
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
	staff_id	SMALLINT	Foreign key, small integer, unique value for employee indentification
	last_updated	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)

Dimension Tables			
STORE	**COLUMN**	**DATA TYPE**	**DESCRIPTION**
	store_id	SERIAL	Primary key, unique value for store identification
	manager_staff_id	SMALLINT	Foreign key, unique value for identifying the staff manager
	address_id	SMALLINT	Foreign key, unique value for identifying the address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
FLIM_ACTOR	**COLUMN**	**DATA TYPE**	**DESCRIPTION**
	actor_id	SMALLINT	Surrogate key, unique value for actor identification
	film_id	SMALLINT	Surrogate key, unique value for film identification
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
INVENTORY	**COLUMN**	**DATA TYPE**	**DESCRIPTION**
	inventory_id	SERIAL	Primary key, integer, unique value for inventory identification
	film_id	SMALLINT	Foreign key, unique value for actor identification
	store_id	SMALLINT	Unique value for store identification
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
FILM_CATEGORY	**COLUMN**	**DATA TYPE**	**DESCRIPTION**
	film_id	SMALLINT	Composite key, unique value for film identification
	category_id	SMALLINT	Composite key, unique value for film category identification
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)

CUSTOMER	COLUMN	DATA TYPE	DESCRIPTION
	customer_id	SERIAL	Primary key, unique value for customer identification
	store_id	SMALLINT	Small integer, unique value for store identification
	first_name	CHARACTER VARYING(45)	Customer's first name, max 45 characters
	last_name	CHARACTER VARYING(45)	Customer's last name, max 45 characters
	email	CHARACTER VARYING(50)	Customer's email. Max 50 characters
	address_id	SMALLINT	Foreign key, unique value for customer's address identification
	active_bool	BOOLEAN	Boolean statement to indicate customer account active status. Boolean expressions can either be True or False
	create_date	DATE	Date stored in the following format: yyyy-mm-dd
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
	active	INTEGER	Integer indicating if the customer's account is active or not
STAFF	COLUMN	DATA TYPE	DESCRIPTION
	staff_id	SERIAL	Primary key, unique value for employee identification
	first_name	CHARACTER VARYING(45)	Employee's first name, max 45 characters
	last_name	CHARACTER VARYING(45)	Employee's last name, max 45 characters
	address_id	SMALLINT	Foreign key, unique value for employee's address identification
	email	CHARACTER VARYING(50)	Employee's email. Max 50 characters
	store_id	SMALLINT	Small integer, unique value for store identification
	active	BOOLEAN	Boolean statement to indicate employee account active status. Boolean expressions can either be True or False
	username	CHARACTER VARYING(16)	Employee's username, max 16 characters
	password	CHARACTER VARYING(40)	Employee's password, max 40 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
	picture	BYTEA	Employee picture. Binary data

ACTOR	COLUMN	DATA TYPE	DESCRIPTION
	actor_id	SERIAL	Primary key, unique value for actor identification
	first_name	CHARACTER VARYING(45)	Actor's first name, max 45 characters
	last_name	CHARACTER VARYING(45)	Actor's last name, max 45 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
FILM	COLUMN	DATA TYPE	DESCRIPTION
	film_id	SERIAL	Primary key, unique value for film rented identification
	title	CHARACTER VARYING(255)	Film title, max 255 characters
	description	TEXT	Film description
	release_year	year	Integer, film release year
	language_id	SMALLINT	Foreign key, unique value for film language identifiaction
	rental_duration	SMALLINT	Small integer, the number of rented days for the film
	rental_rate	NUMERIC(4,2)	Rating, 4 digits max-2digits for the fraction part
	length	SMALLINT	Small integer, the length of the film in minutes
	replacement_cost	NUMERIC(5,2)	The cost the customer can be charged in case of lost or damage of rental item. Monetary amount, max 5 digits-2 digits for the fraction part.
	rating	mpaa_rating	Film rating by Movie Picture Association
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)
	special_features	TEXT[[	Extras related to the film that are available for viewers
	fultext	TSVECTOR	Any text represented in a form optimized for text search

CATEGORY	COLUMN	DATA TYPE	DESCRIPTION
	category_id	SERIAL	Primary key, unique value for film category identification
	name	CHARACTER VARYING(25)	Film category name, max 25 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)

ADDRESS	COLUMN	DATA TYPE	DESCRIPTION
	adress_id	SERIAL	Primary key, unique value for address identification
	address	CHARACTER VARYING(50)	Any address-numeric portion, strteet name, max 50 characters
	address2	CHARACTER VARYING(50)	Any address-(optional) apartemnt number, max 50 characters
	disttrict	CHARACTER VARYING(20)	Any address-disttrict/state/province, max 20 characters
	city_id	SMALLINT	Foreign key, small integer, unique number for city identification
	postal_code	CHARACTER VARYING(10)	Any address-postal code, max 10 characters
	phone	CHARACTER VARYING(20)	Phone number related to the address, max 20 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)

LANGUAGE	COLUMN	DATA TYPE	DESCRIPTION
	language_id	SERIAL	Primary key, unique value for film language identification
	name	CHARACTER(20)	The name of the language, max 20 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)

CITY	COLUMN	DATA TYPE	DESCRIPTION
	city_id	SERIAL	Primary key, unique vlaue for city identification
	city	CHARACTER VARYING(50)	City name, max 50 characters
	country_id	SMALLINT	Foreign key, unique value for country identification
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)

COUNTRY	COLUMN	DATA TYPE	DESCRIPTION
	country_id	SERIAL	Primary key, unique value for country identification
	country	CHARACTER VARYING(50)	Country name, max 50 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date ignoring time zone; stored in the following format: (yyyy-mm-dd),(hours:minutes:sec)