

Lam Tu Uyen

2-9-2023

Rockbuster Stealth

Data Dictionary

CONTENTS


I. ENTITY RELATIONSHIP DIAGRAM (ERD)	2
II. FACT TABLES	2
1. Rental	2
2. Payment:	3
III. DIMENSION TABLES	3
1. Inventory	3
2. film	3
3. language	4
4. film_actor	5
5. actor	5
6. film_category	5
7. category	6
8. store	6
9. customer	6
10. staff	7
11. address	7
12. city	8
13. country	8

I. ENTITY RELATIONSHIP DIAGRAM (ERD)




II. FACT TABLES

1. Rental

	Column	Data Types	Description
	rental_id	integer	rental id number
	rental_date	timestamp without time zone	rental date & time
	inventory_id	integer	inventory id number
	customer_id	smallint	<i>Foreign Key to public.customer</i> customer id number
	return_date	timestamp without time zone	return date & time


	staff_id	smallint	<i>Foreign Key to public.staff</i> staff id number
	last_update	timestamp without time zone	last update date & time

2. Payment:


Table	Column	Data Types	Description
	payment_id	integer	<i>Primary Key</i> payment id number
	customer_id	smallint	<i>Foreign Key to public.customer</i> customer id number
	staff_id	integer	<i>Foreign Key to public.staff</i> staff id number
	rental_id	integer	<i>Foreign Key to public.rental</i> rental id number
	amount	numeric	payment amount in USD
	payment_date	timestamp without time zone	payment date & time

III. DIMENSION TABLES


1. Inventory

Table	Column	Data Types	Description
	inventory_id	integer	<i>Primary Key</i> inventory id number
	film_id	smallint	<i>Foreign Key to public.film</i> film id number
	store_id	smallint	store id number
	last_update	timestamp without time zone	last update date & time

2. film


Table	Column	Data Types	Description
	film_id	integer	<i>Primary Key</i> film id number
	title	character varying	film title
	description	text	film description
	release_year	year	film release year
	language_id	smallint	<i>Foreign Key to public.language</i> language id number
	rental_duration	smallint	rental duration in days
	rental_rate	numeric	rental rate amount in USD
	length	smallint	film length in minutes
	replacement_cost	numeric	film replacement cost in USD
	rating	mpaa_rating	film rating based on MPAA rating sytem
	last_update	timestamp without time zone	last update date & time
	special_features	text[]	film special features
	fulltext	tsvector	related keywords

3. language


Table	Column	Data Types	Description
	language_id	integer	<i>Primary Key</i> language id number
	name	character	language name
	last_update	timestamp without time zone	last update date & time
	category_id	smallint	<i>Foreign Key to public.category</i> category id number

	last_update	timestamp without time zone	last update date & time
--	-------------	-----------------------------	-------------------------


4. film_actor

Table	Column	Data Types	Description
	actor_id	smallint	<i>Primary Key with film_id</i> <i>Foreign Key to public.actor</i> actor id number
	film_id	smallint	<i>Foreign Key to public.film</i> film id number
	last_update	timestamp without time zone	last update date & time


5. actor

Table	Column	Data Types	Description
	actor_id	integer	<i>Primary Key</i> actor id number
	first_name	character varying	actor first name
	last_name	character varying	actor last name
	last_update	timestamp without time zone	last update date & time


6. film_category

Table	Column	Data Types	Description
	film_id	smallint	<i>Primary Key with category_id</i> <i>Foreign Key to public.film</i> category id number
	category_id	smallint	<i>Foreign Key to public.category</i> category id number
	last_update	timestamp without time zone	last update date & time


7. category

Table	Column	Data Types	Description
	category_id	integer	<i>Primary Key</i> category id number
	name	character varying	category name
	last_update	timestamp without time zone	last update date & time

8. store


Table	Column	Data Types	Description
	store_id	integer	<i>Primary Key</i> store id number
	manager_staff_id	smallint	<i>Foreign Key to public.staff</i> manager staff id number
	address_id	smallint	<i>Foreign Key to public.address</i> store address id number
	last_update	timestamp without time zone	last update date & time

9. customer


Table	Column	Data Types	Description
	customer_id	integer	<i>Primary Key</i> customer id number
	store_id	smallint	store id number
	first_name	character varying	customer first name
	last_name	character varying	customer last name
	email	character varying	customer email
	address_id	smallint	<i>Foreign Key to public.address</i>

			address id number
	activebool	boolean	account active status
	create_date	date	date the customer account was created
	last_update	timestamp without time zone	last update date & time
	active	integer	customer active status

10. staff


Table	Column	Data Types	Description
	staff_id	integer	<i>Primary Key</i> staff id number
	first_name	character varying	staff first name
	last_name	character varying	staff last name
	address_id	smallint	<i>Foreign Key to public.address</i> staff address id number
	email	character varying	staff email
	store_id	smallint	store id number
	active	boolean	account active status
	username	character varying	staff account username
	password	character varying	staff account password
	last_update	timestamp without time zone	last update date & time
	picture	bytea	staff account profile picture

11. address


Table	Column	Data Types	Description
	address_id	integer	<i>Primary Key</i>

			address id number
	address	character varying	first address
	address2	character varying	second address
	district	character varying	district name
	city_id	smallint	<i>Foreign Key to public.city</i> city id number
	postal_code	character varying	postal code
	phone	character varying	phone number
	last_update	timestamp without time zone	last update date & time

12. city

Table	Column	Data Types	Description
	city_id	integer	<i>Primary Key</i> city id number
	city	character varying	city name
	country_id	smallint	<i>Foreign Key to public.country</i> country id number
	last_update	timestamp without time zone	last update date & time

13. country

Table	Column	Data Types	Description
	country_id	integer	<i>Primary Key</i> country id number
	country	character varying	country name
	last_update	timestamp without time zone	last update date & time