ROCKBUSTER STEALTH LLC

Data Dictionary

David Guillen Aroche

Table of Contents

Entity Relationship Diagram (ERD)

Fact Table
Payment Table

Columns	Data Type	Description	Key Type	Links To	Links From
payment_id	SERIAL	Unique ID of payment transaction	Primary		
customer_id	SMALLINT	Unique customer ID	Foreign	Customer table	
staff_id	SMALLINT	Unique staff ID	Foreign	Staff table	
rental_id	INTEGER	Unique rental transaction ID	Foreign	Rental table	

Columns	Data Type	Description	Key Type	Links To	Links From
amount_id	Numeric(5,2)	Monetary value of payment transaction			
payment_date	TIMEZONESTAMP(6) WITHOUT TIMEZONE	Date of transaction—date when the transaction's tuple was created			

Fact Table
Rental Table

Columns	Data Type	Description	Key Type	Links To	Links From
rental_id	SERIAL	Unique rental transaction ID	Primary		Payment table
rental_date	TIMEZONESTAMP(6) WITHOUT TIMEZONE	Date of rental			
inventory_id	INTEGER	Unique item (film) ID	Foreign	Inventory table	
customer_id	SMALLINT	Unique customer ID	Foreign	Customer table	
return_date	TIMEZONESTAMP(6) WITHOUT TIMEZONE	Date when the item (film) is returning			
staff_id	SMALLINT	Unique staff ID	Foreign	Staff table	
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When a (the) specific rental tuple was last updated/modified.			

Dimension Table
Customer Table

Columns	Data Type	Description	Key Type	Links To	Links From
customer_id	SERIAL	Unique customer ID	Primary		Payment & Rental tables
store_id	SMALLINT	Unique store ID			
first_name	CHARACTER VARYING(45)	Customer's first name			
last_name	CHARACTER VARYING(45)	Customer's last name			

email	CHARACTER VARYING(10)	Customer's email			
address_id	SMALLINT	Customer's address	Foreign	Address table	
activebool ***	**BOOLEAN**	**Truth/Logic values**			
create_date	DATE	When the customer's tuple was created			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When the customer's tuple was last updated.			
active	INTEGER	Customer's status			

Dimension Table
Staff Table

Columns	*Data Type*	*Description*	*Key Type*	*Links To*	*Links From*
staff_id	SERIAL	Unique staff ID	Primary		Rental & Payment tables
first_name	CHARACTER VARYING(45)	Staff member's first name			
last_name	CHARACTER VARYING(45)	Staff member's last name			
address_id	SMALLINT	Staff member's address	Foreign	Address table	
email	CHARACTER VARYING(45)	Staff member's email			
store_id	SMALLINT	Unique store ID			
active***	**BOOLEAN**	**Truth/Logic values**			
username	CHARACTER VARYING(16)	Unique staff members username			
password	CHARACTER VARYING(40)	Password to access with staff members username			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When the staff member's tuple was last updated			

Columns	Data Type	Description	Key Type	Links To	Links From
picture	BYTEA	Picture to identify staff member			

Dimension Table
Inventory Table

Columns	Data Type	Description	Key Type	Links To	Links From
inventory_id	SERIAL	Unique inventory ID	Primary		Rental table
film_id	SMALLINT	Unique film ID	Foreign	Film, Film Actor, Film Category tables	
store_id	SMALINT	Unique store ID			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When the inventory item's tuple was last updated			

Dimension Table
Store Table

Columns	Data Type	Description	Key Type	Links To	Links From
store_id	SERIAL	Unique Store's ID	Primary		
manager_staff_id	SMALLINT	Unique staff manager ID—matching *store_id* and *address_id*	Foreign	Staff table	
address_id	SMALLINT	Unique store's address ID—matching *store_id* and manager_id	Foreign	Address table	
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When the a *store_id* tuple was last updated/modified			

Dimension Table
Address Table

Columns	Data Type	Description	Key Type	Links To	Links From
address_id	SERIAL	Customer's and/or Staff member's addresses	Primary		Customer, Staff & Store tables
address	CHARACTER VARYING(50)	Customer's and/or Staff memmber' address			
address2	CHARACTER VARYING(50)	Customer's and/or Staff member's additional or complementary address			
district	CHARACTER VARYING(20)	District of the address			
city_id	SMAILLINT	City of the address	Foreign	City	
postal_code	CHARACTER VARYING(10)	Postal Code of the address			
phone	CHARACTER VARYING(20)	Customer's and/or Staff member's phone number			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When the *address_id* tuple was last updated			

Dimension Table
Film Table

Columns	Data Type	Description	Primary Key	Links To	Links From
film_id	SERIAL	Unique film ID			Inventory, Film Actor & film Category tables
title	CHARACTER VARYING(255)	Film's title			
description	TEXT	Film's synopsis			
release_year	year	Which year the film was released			
language_id	SMALLINT	Unique language ID	Foreign	Language table	

rental_durati on	SMALLINT	Number of days a film can be rented for			
rental_rate	NUMERIC(4,2)	Film's rental price			
length	SMALLINT	Film's duration time/length			
replacement_ cost	NUMERIC(5,2)	How much to charge to customer in case film was lost or damaged			
rating	mpaa_rating	The type of audience aloud to watch the film			
last_update	TIMEZONESTAMP (6) WITHOUT TIMEZONE	When the *film_id* tuple was last updated			
special_featu res	TEXT[]	Additional/sup porting material to the film such as trailers, commentaries, deleted scenes, etc.			
fulltext	TSVECTOR	Related words to lookup for film			

Dimension Table
Film Actor

Columns	Data Type	Description	Key Type	Links To	Links From
actor_id	SAMLLINT	Unique actor ID	Primary & Foreign	Actor table	
film_id	SMALLINT	Unique film ID	Primary & Foreign	Film table	
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	when the *actor_id* tuple was last updated			

Dimension Table
Film Categroy

Columns	Data Type	Description	Key Type	Links To	Links From
film_id	SAMLLINT	Unique film ID	Primary & Foreign		Film, Film Actor & Inventory tables
category_id	SMALLINT	Unique film category	Primary & Foreign		Category table
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When *film_id* tuple was last updated			

Dimension Table
Actor Table

Columns	Data Type	Description	Key Type	Links To	Links From
actor_id	SERIAL	Unique actor ID	Primary		Film Actor
first_name	CHARACTER VARYING(45)	Actor's first name			
last_name	CHARACTER VARYING(45)	Actor's last name			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When *actor_id* tuple was last updated			

Dimension Table
Category Table

Columns	Data Type	Description	Key Type	Links To	Links From
category_id	SERIAL	Unique category ID	Primary		Film Category table
name	CHARACTER VARYING(25)	Category's name			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When *category_id* tuple was last updated			

Dimension Table
Language Table

Columns	Data Type	Description	Key Type	Links To	Links From
language_id	SERIAL	Unique language ID	Primary		Film table
name	CHARACTER(20)	Language's name			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When *language_id* tuple was last updated			

Dimension Table
City Table

Columns	Data Type	Description	Key Type	Links To	Links From
city_id	SERIAL	Unique city ID	Primary		Address table
city	CHARACTER VARYING(50)	City's name			
country_id	SMALLINT	Country in which such city is in	Foreign	Country	
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When *city_id* tuple was last updated			

Dimension Table
Country Table

Columns	Data Type	Description	Key type	Links To	Links From
country_id	SERIAL	Unique country ID	Primary		City table
country	CHARACTER VARYING(50)	Country's name			
last_update	TIMEZONESTAMP(6) WITHOUT TIMEZONE	When *country_id* tuple was last updated			