Rockbusters Data Dictionary

Rockbuster Entity Relationship Diagram

Fact tables

Rental

Column	Type	Description	Links to	Links from
Rental_id	serial	Primary key for Rentals		payment
Rental_date	Timestamp without time zone	States date of rental		
Inventory_id	integer	Foreign key for table Inventory. Whole number	inventory	
Customer_id	smallint	Foreign key for table Customer. Whole number	customer	
Return_date	Timestamp without time zone	States date when rentals are returned		
Staff_id	smallint	Foreign key to table Staff		
Last_update	Timestamp without time zone	States when record was last updated.		

Payment

Column	Type	Description	Links to	Links from
Payment_id	Serial	Primary key for table Payment		

Customer_id	Smallint	Foreign key to table Customer	customer	
Staff_id	Smallint	Foreign key to table Staff	staff	
Rental_id	integer	Foreign key for table Rental	rental	
Amount	Numeric (5,2)	States the value of rental. Max 5 digits + 2 decimals		
Payment_date	Timestamp (6) without time zone	States date when payment for rental is made.		

Dimension tables

Inventory

Column	Type	Description	Links to	Links from
Inventory_id	Serial	Primary key for table Inventory		rental
Film_id	Smallint	Foreign key for table Film	film	
Store_id	Smallint	Refers to the store that hold inventory		
Last_update	Timestamp(6) without time zone	Refers to timestamp of when records were last updated		

Film

Column	Type	Description	Links to	Links from
Film_id	Serial	Primary key of table Film		Inventory Film_actor Film_category
Title	Character varying (255)	Title of film, max 255 characters		
Description	Text	Description of the film		
Release_year	Year	Year of the film's release		
Language_id	Smallint	Foreign key to table Language	Language	
Rental_duration	Smallint	Refers to duration of rental period		
Rental_rate	Numeric (4,2)	Refers to rate at what film is rented		
Length	Smallint	Length of the film in minutes		
Replacement_cost	Numeric (5,2)	Retail value of a new title		

Rating	Mpaa_rating	Rating of the film		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		
Special_features	Text	Refers to special features of the film		
fulltext	Ts vector	Refers Tags		

Film_actor

Column	Type	Description	Links to	Links from
Actor_id	Smallint	Primary key for table film_Actor and foreign key for table Actor	actor	
Film_id	Smallint	Primary key for table film_id and foreign key for table Actor	film	
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		

Actor

Column	Type	Description	Links to	Links from
Actor_id	Serial	Primary key of table Actor		Film_actor
First_name	Character varying (45)	Actor's first name		
Last_name	Character varying (45)	Actor's last name		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

Language

Column	Type	Description	Links to	Links from
Language_id	Serial	Primary key of table Language		film
Name	Character (20)	Refers to language name		
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		

Film_category

Column	Type	Description	Links to	Links from
Film_id	Smallint	Primary key for table film_category and foreign key to table Film	film	

Category_id	Smallint	Primary key for table film_category and foreign key for table Category	category	
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

Category

Column	Type	Description	Links to	Links from
Category_id	Serial	Primary key for table Category		Film_category
Name	Character varying (25)	Name of the category		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

Customer

Column	Type	Description	Links to	Links from
Customer_id	Serial	Primary key for table Customer		rental
Store_id	smallint	Refers to the store where rental was made		
First_name	Character varying (45)	First name of customer		
Last_name	Character varying (45)	Last name of customer		
Email	Character varying (45)	Email of customer		
Address_id	Smallint	Address of customer	address	
activebool	Boolean	True/False value if customer is active		
Create_date	Date	Date this customer profile was created		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		
active	Integer	1 and 0 for being rental being active		

Address

Column	Type	Description	Links to	Links from
Address_id	Serial	Primary key for table Address		store
Address	Character varying (50)	1st line of address		
Address2	Character varying (50)	2nd line of address		
District	Character varying (50)	District of address		
City_id	Smallint	Foreign key to table City	city	
Postal_code	Character varying (10)	Postal code of the of the address		
phone	Character varying (20)	Phone number		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

City

Column	Type	Description	Links to	Links from
City_id	Serial	Primary key of table City		address
City	Character varying (50)	Name of the city		
Country_id	Smallint	Foreign key to table Country	country	
Last_upda te	Timestamp (6) without time zone	Refers to last update of any information in this table		

Country

Column	Type	Description	Links to	Links from
Country_id	Serial	Primary key of table Country		city
Country	Character varying (50)	Country name		
Last_upda te	Timestamp (6) without time zone	Refers to last update of any information in this table		

Staff

Column	Type	Description	Links to	Links from
Staff_id	Serial	Primary key of table Staff		store
First_nam e	Character varying (45)	Staff first name		
Last_nam e	Character varying (45)	Staff last name		
Address_i d	Smallint	Foreign key to table Address	addres s	
Email	Character varying (50)	Staff's email		
Store_id	Smallint	Name of store staff is based in		
Active	Boolean	True/false if staff is active		
Username	Character varying (16)	Staff's username		
Password	Character varying (40)	Staff's password		
Last_upda te	Timestamp (6) without time zone	Refers to last update of any information in this table		
picture	bytea	Photo of staff		

Store

Column	Type	Description	Links to	Links from
Store_id	Serial	Primary key for table Store		
Manger_staff_i d	Smallint	Id of store manager	staff	

Address_id	Smallint	Address of the store	address	
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		