Rockbuster stealth LLC data dictionary

Table of Contents

Rockbuster entity relationship diagram *2*

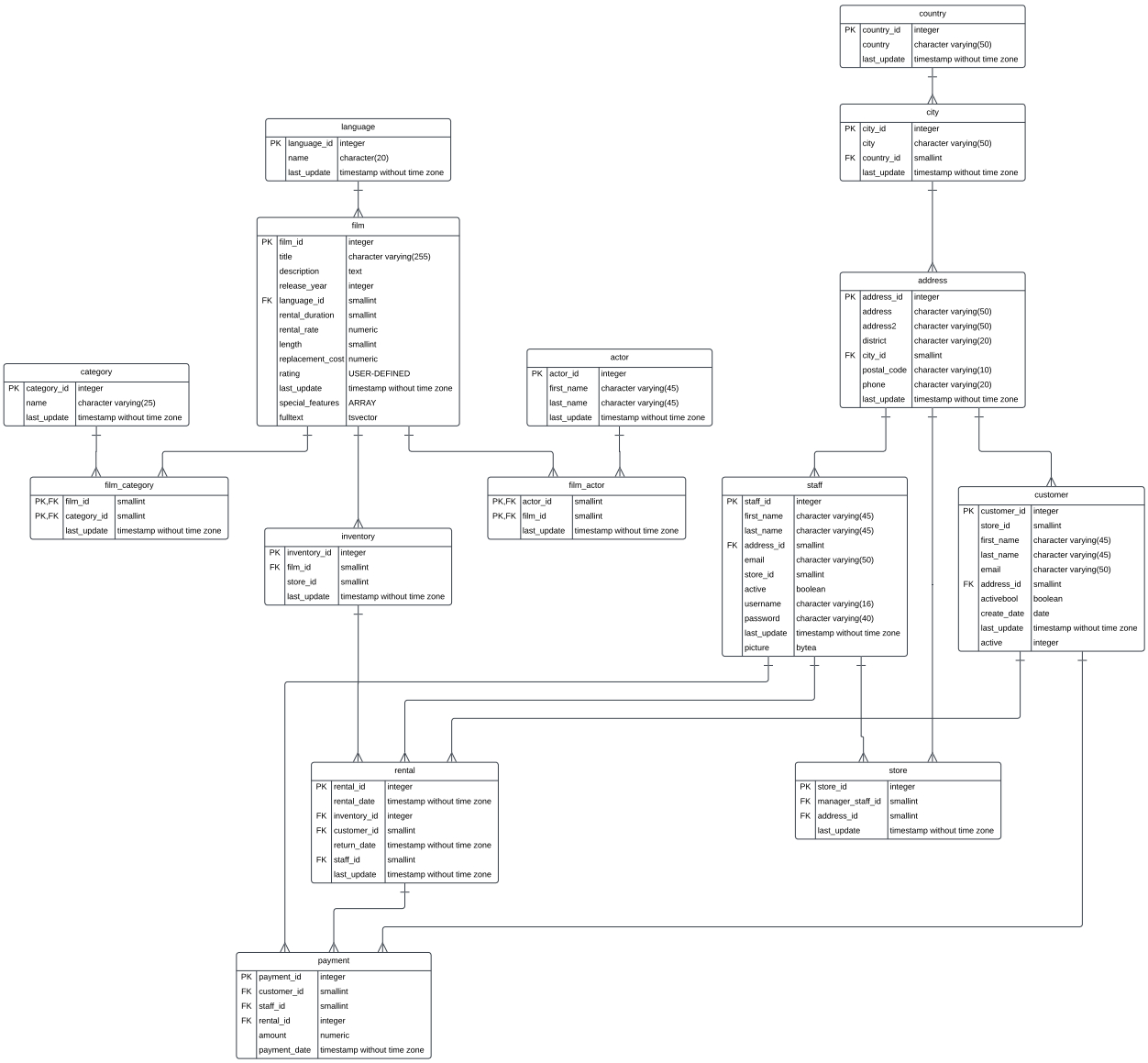
Fact tables *3*

1. **Rental** **3**

Dimension tables *3*

2. **Payment** **3**
3. **Inventory** **4**
4. **Film** **4**
5. **Film_actor** **5**
6. **Actor** **5**
7. **Language** **5**
8. **Film_category** **6**
9. **Category** **6**
10. **Customer** **6**
11. **Address** **7**
12. **City** **7**
13. **Country** **7**
14. **Staff** **8**
15. **Store** **8**

Rockbuster entity relationship diagram



Fact tables

1. **Rental**

Column	Type	Description	Links to	Key
Rental_id	serial	Primary key for Rentals		Primary Key
Rental_date	Timestamp without time zone	States date of rental		
Inventory_id	integer	Foreign key for table Inventory. Whole number	inventory	Foreign Key
Customer_id	smallint	Foreign key for table Customer. Whole number	customer	Foreign Key
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.		

Dimension tables

2. **Payment**

Column	Type	Description	Links to	Key
Payment_id	Serial	Primary key for table Payment		Primary Key
Customer_id	Smallint	Foreign key to table Customer	customer	Foreign Key
Staff_id	Smallint	Foreign key to table Staff	staff	Foreign Key
Rental_id	integer	Foreign key for table Rental	rental	Foreign Key
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.		

3. Inventory

Column	Type	Description	Links to	Key
Inventory_id	Serial	Primary key for table Inventory		Primary Key
Film_id	Smallint	Foreign key for table Film	film	Foreign Key
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		

4. Film

Column	Type	Description	Links to	Key
Film_id	Serial	Primary key of table Film		Primary Key
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	Foreign Key
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		

5. Film_actor

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

6. Actor

Column	Type	Description	Links to	Key
Actor_id	Serial	Primary key of table Actor		Primary Key
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		

7. Language

Column	Type	Description	Links to	Key

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

8. Film_category

Column	Type	Description	Links to	Key
Film_id	Smallint	Primary key for table film_category and foreign key to table Film	film	Primary Key, Foreign Key
Category_id	Smallint	Primary key for table film_category and foreign key for table Category	category	Primary Key, Foreign Key
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

9. Category

Column	Type	Description	Links to	Key
Category_id	Serial	Primary key for table Category		Primary Key
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		

10. Customer

Column	Type	Description	Links to	Key
Customer_id	Serial	Primary key for table Customer		Primary Key
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	Foreign Key
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		

11. Address

Column	Type	Description	Links to	Key
Address_id	Serial	Primary key for table Address		Primary Key
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	Foreign Key
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		

12. City

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

13. Country

Column	Type	Description	Links to	Key

Country_id	Serial	Primary key of table Country		Primary Key
Country	Character varying (50)	Country name		
Last_update	Timestamp (6) without time zone	Refers to last update of any information in this table		

14. Staff

Column	Type	Description	Links to	Key
Staff_id	Serial	Primary key of table Staff		Primary Key
First_name	Character varying (45)	Staff first name		
Last_name	Character varying (45)	Staff last name		
Address_id	Smallint	Foreign key to table Address	address	Foreign Key
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_update	Timestamp (6) without time zone	Refers to last update of any information in this table		
picture	bytea	Photo of staff		

15. Store

Column	Type	Description	Links to	Keys
Store_id	Serial	Primary key for table Store		Primary Key
Manger_staff_id	Smallint	Id of store manager	staff	Foreign Key
Address_id	Smallint	Address of the store	address	Foreign Key
Last_update	Timestamp(6) without time zone	Refers to last update of any information in this table		