

Rockbuster Data Dictionary

NOVEMBER 6

Rockbuster
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DATA DICTIONARY


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1.Entity Relationship Diagram





2. TABLES



COLUMNS	DATA TYPE	DESCRIPTION
<u>PAYMENT</u>		
 PAYMENT_ID	Serial	Unique identifier for payment
CUSTOMER_ID	Smallint	Unique identifier for customer
STAFF_ID	Smallint	Unique identifier for staff
RENTAL_ID	Integer	Unique identifier for rental
AMOUNT	Numeric (5,2)	Amount in numerical value
PAYMENT DATE	Time stamp (6) without time	Date and time of payment
<u>Links to</u>		<div> <div>Table</div> <div>customer</div> </div> <div> <div>Join</div> <div>payment.customer_id = customer.customer_id</div> </div> <div> <div>Staff</div> <div>staff.staff_id</div> </div> <div> <div>payment.staff_id =</div> </div> <div> <div>rental</div> <div>rental.rental_id</div> </div> <div> <div>payment.rental_id =</div> </div>


RENTALS		
<div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> 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<u>INVENTORY</u>		
 INVENTORY ID	Integer	Unique identifier for subject
FILM ID	Smallint	Unique identifier for subject
STORE ID	Smallint	Unique identifier for subject
LAST UPDATE	Timestamp w out time	Time of last update
LINKS TO	Table name Film	Join inventory.film_id = film.film_id
LINKED FROM	Table name rental	Join inventory.inventory_id = rental.inventory_id
<u>FILM ACTOR</u>		
 FILM ID	Smallint	Unique identifier for subject
ACTOR ID	Smallint	Unique identifier for subject
LAST UPDATE	Timestamp w out time	Time of last update
LINKS TO		Table name Actor film_actor.actor_id = actor.actor_id Film film_actor.film_id = film.film_id

<u>FILM</u> <u>CATEGORY</u>		
FILM ID 	Smallint	Unique identifier for subject
CATEGORY ID	Smallint	Unique identifier for subject
LAST UPDATE	Timestamp (6) w out time	Time of last update
LINKS TO		<p>Table name Join</p> <p>category film_category.category_id = category.category_id</p> <p>film film_category.film_id = film.film_id</p>

<u>CUSTOMER</u>		
CUSTOMER ID 	Serial	Unique identifier for subject
STORE ID	Smallint	Unique identifier for subject
FIRST NAME	Character varying (45)	First name of subject
LAST NAME	Character varying (45)	Last name of subject
EMAIL	Character varying (50)	Email address of subject
ADDRESS ID	Smallint	Unique identifier for subject
ACTIVEBOOL	Boolean	Customer activity status
CREATE DATE	Date	Entry date in the system
LAST UPDATE	Timestamp (6) w out time	Time of last update
ACTIVE	Integer	Number of activity
LINKS TO LINKED FROM		Table name Join
		address customer.address_id = address.address_id
		Table name Join
		Payment customer.customer_id = payment.customer_id
		rental customer.customer_id = rental.customer_id

STAFF							
STAFF ID 	Serial	Unique identifier for subject					
FIRST NAME	Character varying (45)	First name of subject					
LAST NAME	Character varying (45)	Last name of subject					
ADDRESS ID 	Smallint	Unique identifier for subject					
EMAIL	Character varying (45)	Email address of subject					
STORE ID	Smallint	Unique identifier for subject					
ACTIVE	Boolean	Number of activity					
USERNAME	Character varying (45)	Username of staff member					
PASSWORD	Character varying (45)	Password of staff member					
LAST UPDATE	Timestamp (6) without timezone	Time of last update					
PICTURE	Bytea	Picture of staff member					
LINKS TO		<table><tr><td>Table name</td><td>Join</td></tr><tr><td>address</td><td>staff.address_id = address.address_id</td></tr></table>	Table name	Join	address	staff.address_id = address.address_id	
Table name		Join					
address		staff.address_id = address.address_id					
LINKED FROM	<table><tr><td>Table name</td><td>Join</td></tr><tr><td>Payment</td><td>staff.staff_id = payment.staff_id</td></tr><tr><td>rental</td><td>staff.staff_id = rental.staff_id</td></tr></table>	Table name	Join	Payment	staff.staff_id = payment.staff_id	rental	staff.staff_id = rental.staff_id
Table name	Join						
Payment	staff.staff_id = payment.staff_id						
rental	staff.staff_id = rental.staff_id						

<u>ACTOR</u>		<div> <div>store</div> <div>staff.staff_id =</div> <div>store.staff_id</div> </div>
ACTOR ID 	Serial	Unique identifier for subject
FIRST NAME	Character varying (45)	First name of subject
LAST NAME	Character varying (45)	Last name of subject
LAST UPDATE	Timestamp (6) without timezone	Time of last update
LINKS TO:		<div> <div>Table</div> <div>Join</div> <div>Film</div> <div>inventory.film_id =</div> <div>film.film_id:</div> </div>
LINKED FROM		<div> <div>Table</div> <div>Join</div> <div>rental</div> <div>rental.inventory_id =</div> <div>inventory.inventory_id</div> </div>

FILM		
FILM ID 	Serial	Unique identifier for subject
TITLE	Character varying (45)	Title of film
DESCRIPTION	Text	Description of film
RELEASE YEAR	Year	Release year of film
LANGUAGE ID	Smallint	Unique identifier for language
RENTAL DURATION	Smallint	Duration of rental
RENTAL RATE	Numeric (4,2)	Rental rate for the film
LENGTH	Smallint	Length of the film
REPLACEMENT COST	Numeric (4,2)	Cost to replace the film
RATING	Mpaa rating	Rating of the film
LAST UPDATE	Timestamp (6) without timezone	Time of last update
SPECIAL FEATURES	Text	Features of the film
FULLTEXT	Tsvector	Type of index of film
LINKS TO	Table name Join Language film.language_id = language.language_id	
LINKED FROM	Table name Join film_actor film_actor.film_id = film.film_id	

CATEGORY

film_category
film_category.film_id

film.film_id =

inventory
inventory.film_id

film.film_id =



Serial

Unique identifier for subject

CATEGORY ID

NAME

**Character
varying (45)**

Name of subject

LAST UPDATE

**Timestamp (6)
without
timezone**

Time of last update

LINKS TO:

Table name
N/A


Join
N/A

LINKED FROM


Table name

Join

film_category category.category_id =
film_category.category_id

ADDRESS		
ADDRESS	Character varying (50)	First line of an address
ADDRESS2	Character varying (50)	Second line of an address
DISTRICT	Character varying (20)	The region of an address
CITY ID	Smallint	Unique identifier for subject
POSTAL CODE	Character varying (10)	Postal code of address
PHONE	Character varying (20)	Phone number of an address
LAST UPDATE	Timestamp (6) without timezone	Time of last update
ADDRESS ID 	Serial	Unique identifier of subject
LINKS TO:	Table name	
	Join	
	City	address.city_id = city.city_id
	Table name	
	Join	
LINKED FROM:	customer	address.address_id = customer.address_id
	staff	address.address_id = staff.address_id
	store	address.address_id = store.address_id

[STORE](#)

STORE ID		Serial	Unique identifier for subject
MANAGER STAFF		Smallint	
ADDRESS ID		Smallint	Unique identifier for subject
LAST UPDATE		Timestamp (6 w out time zone	Time of last update

LINKS TO

Case	Age	Sex	Occupation	Duration of symptoms	Onset	Course	Associated symptoms	Associated diseases	Associated medications	Associated treatments	Associated outcomes	Associated references	Associated comments	
1	25	Male	Student	1 year	2018	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
2	30	Female	Teacher	6 months	2019	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
3	35	Male	Engineer	3 months	2020	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
4	40	Female	Manager	1 year	2021	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
5	45	Male	Doctor	6 months	2022	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
6	50	Female	Retired	3 months	2023	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
7	55	Male	Farmer	1 year	2024	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
8	60	Female	Homemaker	6 months	2025	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
9	65	Male	Retired	3 months	2026	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
10	70	Female	Retired	1 year	2027	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
11	75	Male	Retired	6 months	2028	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
12	80	Female	Retired	3 months	2029	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
13	85	Male	Retired	1 year	2030	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
14	90	Female	Retired	6 months	2031	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
15	95	Male	Retired	3 months	2032	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
16	100	Female	Retired	1 year	2033	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
17	105	Male	Retired	6 months	2034	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
18	110	Female	Retired	3 months	2035	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
19	115	Male	Retired	1 year	2036	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
20	120	Female	Retired	6 months	2037	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
21	125	Male	Retired	3 months	2038	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
22	130	Female	Retired	1 year	2039	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
23	135	Male	Retired	6 months	2040	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
24	140	Female	Retired	3 months	2041	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
25	145	Male	Retired	1 year	2042	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
26	150	Female	Retired	6 months	2043	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
27	155	Male	Retired	3 months	2044	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
28	160	Female	Retired	1 year	2045	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
29	165	Male	Retired	6 months	2046	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
30	170	Female	Retired	3 months	2047	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
31	175	Male	Retired	1 year	2048	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
32	180	Female	Retired	6 months	2049	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
33	185	Male	Retired	3 months	2050	Chronic	Headache, dizziness, fatigue	None	None	None	None	None	None	None
34	190	Female	Retired	1 year	2051	Chronic								

Table name	Column name
address	store.address
staff	store.manag

```

Join
    ss_id = address.ad
    ger_staff_id = staff

```


dress_id

f.staff_id

```
ger_staff_id = staff
```

f.staff_id

LANGUAGE

	Serial	Unique identifier for subject
LANGUAGE ID		
NAME	character (20)	Name of subject
LAST UPDATE	Timestamp (6) w out time zone	Time of last update

LINKS TO:

LINKED FROM

[illegible]

Table	
Film	inventory
Table	
Rental	rental
inventory.inventory	

```
inventory.film_id = film.film_id
```

Join



```
rental.inventory_id = inventory.inventory_id  
rental.inventory_id = rental.inventory_id
```

id	film_id	title	year	genre	director	cast	rating
1	1	The Godfather	1972	Drama	Francis Ford Coppola	Al Pacino, Marlon Brando	9.2
2	2	The Godfather Part II	1974	Drama	Francis Ford Coppola	Al Pacino, Al Pacino, Marlon Brando	9.0
3	3	The Godfather Part III	1976	Drama	Francis Ford Coppola	Al Pacino, Al Pacino, Marlon Brando	8.9
4	4	The Godfather	1972	Drama	Francis Ford Coppola	Al Pacino, Marlon Brando	9.2
5	5	The Godfather Part II	1974	Drama	Francis Ford Coppola	Al Pacino, Al Pacino, Marlon Brando	9.0
6	6	The Godfather Part III	1976	Drama	Francis Ford Coppola	Al Pacino, Al Pacino, Marlon Brando	8.9
7	7	The Godfather	1972	Drama	Francis Ford Coppola	Al Pacino, Marlon Brando	9.2
8	8	The Godfather Part II	1974	Drama	Francis Ford Coppola	Al Pacino, Al Pacino, Marlon Brando	9.0
9	9	The Godfather Part III	1976	Drama	Francis Ford Coppola	Al Pacino, Al Pacino, Marlon Brando	8.9
10	10	The Godfather	1972	Drama	Francis Ford Coppola	Al Pacino, Marlon Brando	9.2

Rental	re
inventory.inventor	

```
rental.inventory_id =  
rental.inventory_id
```

2

<u>CITY</u>		
CITY ID 	Serial	Unique identifier for subject
CITY	Character varying	Name of city
COUNTRY ID	Smallint	Unique identifier for subject
LAST UPDATE	Timestamp (6) w out time zone	Time of last update
LINKS TO		Table nameJoin
		country city.country_id =country.country_id
LINKED FROM		Table nameJoin
		addresscity.city_id =address.city_id
<u>COUNTRY</u>		
COUNTRY ID 	Serial	Unique identifier for subject
COUNTRY	Character varying	Name of country
LAST UPDATE	Timestamp (6) w out time zone	Time of last update
LINKED FROM		Table NameJoin
		City country.country_id = city.country_id

