Rockbuster Data Dictionary

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Rockbuster
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DATA DICTIONARY

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1.Entity Relationship Diagram

2. TABLES

COLUMNS	DATA TYPE	DESCRIPTION
PAYMENT		
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**
Links to		Table Join customer payment.customer_id = customer.customer_id Staff payment.staff_id = staff.staff_id rental payment.rental_id = rental.rental_id

RENTALS

RENTAL_ID	**Serial**	**Unique identifier for rental**
RENTAL DATE	**Timestamp (6) w out time**	**Date and time of rental**
INVENTORY ID	**Integer**	**Unique Identifier for inventory**
CUSTOMER ID	**Smallint**	**Unique identifier for customer**
RETURN DATE	**Timestamp (6) w out time**	**Date and time of return**
STAFF ID	**Smallint**	**Unique identifier for staff**
LAST UPDATE	**Timestamp (6) w out time**	**Time of last update**

LINKS TO:

Table	Join
inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

LINKED FROM:

Table	Join
Payment	payment.rental_id = rental.rental

INVENTORY		
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

FILM ACTOR		
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	Join film_actor.actor_id = actor.actor_id film_actor.film_id = film.film_id

FILM CATEGORY		
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		**Table name** **Join** **category** **film_category.category_id = category.category_id** **film** **film_category.film_id = film.film_id**

CUSTOMER		
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

Table name	Join
address	customer.address_id = address.address_id

LINKED FROM

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 name: address — Join: staff.address_id = address.address_id
LINKED FROM		Table name: Payment — Join: staff.staff_id = payment.staff_id Table name: rental — Join: staff.staff_id = rental.staff_id

ACTOR		store staff.staff_id = store.staff_id
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: LINKED FROM		Table Join Film inventory.film_id = film.film_id: Table Join rental rental.inventory_id = inventory.inventory_id

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.film_id = film_actor.film_id**

		film_category film.film_id = film_category.film_id inventory film.film_id = inventory.film_id

CATEGORY

 CATEGORY ID	**Serial**	**Unique identifier for subject**
NAME	**Character varying (45)**	**Name of subject**
LAST UPDATE	**Timestamp (6) without timezone**	**Time of last update**

LINKS TO:

Table name	Join
N/A	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

LINKED FROM:

Table name	Join
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		**Table name** **Join** **address** **store.address_id = address.address_id** **staff** **store.manager_staff_id = staff.staff_id**
LANGUAGE		
LANGUAGE ID	**Serial**	**Unique identifier for subject**
NAME	**character (20)**	**Name of subject**
LAST UPDATE	**Timestamp (6) w out time zone**	**Time of last update**
LINKS TO: LINKED FROM		**Table** **Join** **Film** **inventory.film_id = film.film_id** **Table** **Join** **Rental** **rental.inventory_id = inventory.inventory_id**

CITY		
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 name Join country city.country_id =country.country_id
LINKED FROM		Table name Join address city.city_id =address.city_id

COUNTRY		
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 Name Join City country.country_id = city.country_id