



ROCKBUSTER STEALTH LLC

Data Dictionary

Tom Radio

Table of Contents

ENTITY RELATIONSHIP DIAGRAM	2
FACT TABLES:.....	3
PAYMENT TABLE.....	3
STORE TABLE.....	4
FILM ACTOR TABLE	5
FILM CATEGORY TABLE.....	6
DIMENSION TABLES:	7
RENTAL TABLE	7
INVENTORY TABLE	8
CUSTOMER TABLE	9
STAFF TABLE.....	10
ACTOR TABLE	11
FILM TABLE.....	12
CATEGORY TABLE	13
ADDRESS TABLE	14
LANGUAGE TABLE	15
CITY TABLE	16
COUNTRY TABLE.....	17

ENTITY RELATIONSHIP DIAGRAM



Powered by yfiles



PRIMARY KEY







FOREIGN KEY

FACT TABLES:

PAYMENT TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Payment_id 	SERIAL	ID of payment
Customer_id. 	SMALLINT	ID of customer
Staff_id 	SMALLINT	ID of Staff
Rental_id. 	INTEGER	ID of Rental
Amount	NUMERIC(5,2)	Amount paid
Payment_date	TIMESTAMP	Date of payment





LINKS TO:

TABLE	JOIN	DESCRIPTION
Customer	Payment.customer_id = Customer.customer_id	Foreign key reference to customer table
Staff	Payment.staff_id = Staff.staff_id	Foreign key reference to customer table
Rental	Payment.rental_id = Rental.rental_id	Foreign key reference to customer table

LINKS FROM:




TABLE	JOIN	DESCRIPTION
NONE		

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Payment_id		Unique Identifier for Payment
Customer_id.		Unique Identifier for Customers
Staff_id		Unique Identifier for a Staff member
Rental_id.		Unique Identifier for a movie rental

STORE TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Store_id 	SERIAL	ID of store
Manager_staff_id. 	SMALLINT	ID of staff manager
Address_id. 	SMALLINT	ID of address
Last_update	TIMESTAMP	Date of last update




LINKS TO:

TABLE	JOIN	DESCRIPTION
Staff	Store.Manager_staff_id = Staff.Staff_id	Foreign key reference to staff table
Address	Store.Address_id = Address.Address_id	Foreign key reference to address table

LINKS FROM:



TABLE	JOIN	DESCRIPTION
NONE		

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Store_id		Unique Identifier for Store
Manager_staff_id.		Unique Identifier for Manager Staff
Address_id.		Unique Identifier for Address

FILM ACTOR TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Actor_id 	SMALLINT	ID of actor
Film_id 	SMALLINT	ID of film
Last_update	TIMESTAMP	Date of last update



LINKS TO:

TABLE	JOIN	DESCRIPTION
Actor	film_actor.actor_id = actor.actor_id	Foreign key reference to actor table
Film	film_actor.film_id = film.film_id	Foreign key reference to film table

LINKS FROM:



TABLE	JOIN	DESCRIPTION
NONE		

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Actor_id		Unique Identifier for an actor
Film_id		Unique Identifier for a film

FILM CATEGORY TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Film_id 	SMALLINT	ID of film
Category_id. 	SMALLINT	ID of category
Last_update	TIMESTAMP	Date of last update



LINKS TO:

TABLE	JOIN	DESCRIPTION
Category	film_category.category_id = category.category_id	Foreign key reference to category table
Film	film_category.film_id = film.film_id	Foreign key reference to film table

LINKS FROM:

TABLE	JOIN	DESCRIPTION
NONE		





UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Film_id		Unique Identifier for a film
Category_id.		Unique Identifier for a category

DIMENSION TABLES:

RENTAL TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Rental_id 	SERIAL	ID of rental
Rental_date	TIMESTAMP	Date of rental
Inventory_id. 	INTEGER	ID of inventory
Customer_id. 	SMALLINT	ID of customer
Return_date	TIMESTAMP	Date returned
Staff_id 	SMALLINT	ID of staff
Last_update	TIMESTAMP	Date of last update





LINKS TO:

TABLE	JOIN	DESCRIPTION
Inventory	Rental.inventory_id = inventory.inventory_id	Foreign key reference to inventory table
Customer	Rental.customer_id = customer.customer_id	Foreign key reference to customer table
Staff	Rental.staff_id = staff.staff_id	Foreign key reference to staff table

LINKS FROM:



TABLE	JOIN	DESCRIPTION
Payment	Payment.rental_id = rental.rental_id	Foreign key reference from payment table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Rental_id		Unique Identifier for a rental
Inventory_id.		Unique Identifier for inventory
Customer_id.		Unique Identifier for a customer
Staff_id		Unique Identifier for staff member

INVENTORY TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Inventory_id. 	SERIAL	ID of inventory
Film_id 	SMALLINT	ID of film
Store_id	SMALLINT	ID of store
Last_update	TIMESTAMP	Date of last update


LINKS TO:

TABLE	JOIN	DESCRIPTION
Film	Inventory.film_id = film.film_id	Foreign key reference to film table

LINKS FROM:



TABLE	JOIN	DESCRIPTION
Rental	Rental.inventory_id = inventory.inventory_id	Foreign key reference from rental table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Inventory_id.		Unique Identifier for inventory
Film_id		Unique Identifier for a film

CUSTOMER TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Customer_id 	SERIAL	ID of customer
Store_id	SMALLINT	ID of store
First_name	CHARACTER VARYING (45)	First name
Last_name	CHARACTER VARYING (45)	Last name
Email	CHARACTER VARYING (50)	Email address
Address_id 	SMALLINT	ID of address
Activebool	BOOLEAN	If the customer is active
Create_date	DATE	Date customer created
Last_update	TIMESTAMP	Date of last update
Active	INTEGER	Active status



LINKS TO:

TABLE	JOIN	DESCRIPTION
Address	Customer.address_id = address.address_id	Foreign key reference to address table

LINKS FROM:



TABLE	JOIN	DESCRIPTION
Rental	Rental.customer_id = customer.customer_id	Foreign key reference from rental table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Customer_id		Unique Identifier for a customer
Address_id		Unique Identifier for an address

STAFF TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Staff_id 	SERIAL	ID of staff
first_name	CHARACTER VARYING (45)	First name
Last_name	CHARACTER VARYING (45)	Last name
Address_id. 	SMALLINT	ID of address
Email	CHARACTER VARYING (50)	Email address
Store_id	SMALLINT	ID of store
Active	BOOLEAN	If staff member is active
Username	CHARACTER VARYING (16)	Staff user name
Password	CHARACTER VARYING (40)	Staff password
Last_update	TIMESTAMP	Date of last update
Picture	BYTEA	Picture of staff member



LINKS TO:

TABLE	JOIN	DESCRIPTION
Address	Staff.staff_id = address.staff_id	Foreign key reference to address table

LINKS FROM:


TABLE	JOIN	DESCRIPTION
Payment	Payment.staff_id = staff.staff_id	Foreign key reference from rental table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Staff_id		Unique Identifier for a staff member
Address_id		Unique Identifier for an address

ACTOR TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Actor_id 	SERIAL	ID of actor
First_name	CHARACTER VARYING (45)	First name
Last_name	CHARACTER VARYING (45)	Last name
Last_update	TIMESTAMP	Date of last update

LINKS TO:

TABLE	JOIN	DESCRIPTION
NONE		

LINKS FROM:



TABLE	JOIN	DESCRIPTION
Film_actor	Film_actor.actor_id = actor.actor_id	Foreign key reference from Film_actor table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Actor_id		Unique Identifier for an actor

FILM TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Film_id 	SERIAL	ID of film
Title	CHARACTER VARYING (255)	Title of film
Description	TEXT	Description of film
Release_year	YEAR	Year released
Language_id 	SMALLINT	ID of language
Rental_duration	SMALLINT	Duration of rental
Rental_rate	NUMERIC (4,2)	Cost of rental
Length	SMALLINT	Length of film
Replacement_cost	NUMERIC (5,2)	Cost to replace
Rating	Mpaa_rating	Rating of film
Last_update	TIMESTAMP	Date of last update
Special_features	TEXT []	Features of film
fulltext	TSVECTOR	Film index

LINKS TO:

TABLE	JOIN	DESCRIPTION
Language	Film.language_id = language.language_id	Foreign key reference to language table

LINKS FROM:


TABLE	JOIN	DESCRIPTION
Inventory	Inventory.film_id = film.film_id	Foreign key reference from inventory table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Film_id		Unique Identifier for a film
Language_id		Unique Identifier for a language

CATEGORY TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Category_id 	SERIAL	ID of category
Name	CHARACTER VARYING (25)	Name of category
Last_update	TIMESTAMP	Date of last update

LINKS TO:

TABLE	JOIN	DESCRIPTION
NONE		

LINKS FROM:



TABLE	JOIN	DESCRIPTION
Film_category	Film_category.category_id = category.category_id	Foreign key reference from Film_category table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Category_id		Unique Identifier for a category

ADDRESS TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Address_id 	SERIAL	ID of address
Address	CHARACTER VARYING (50)	address
Address2	CHARACTER VARYING (50)	Address (line 2)
District	CHARACTER VARYING (20)	District
City_id 	SMALLINT	ID of city
Postal_code	CHARACTER VARYING (10)	Postal code
Phone	CHARACTER VARYING (20)	Phone number
Last_update	TIMESTAMP	Date of last update


LINKS TO:

TABLE	JOIN	DESCRIPTION
City	Address.city_id = city.city_id	Foreign key reference to city table

LINKS FROM:


TABLE	JOIN	DESCRIPTION
Store	Store.address_id = address.address_id	Foreign key reference from address table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Address_id		Unique Identifier for an address
City_id		Unique Identifier for a city

LANGUAGE TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Language_id 	SERIAL	ID of language
Name	CHARACTER (20)	Name of language
Last_update	TIMESTAMP	Date of last update

LINKS TO:

TABLE	JOIN	DESCRIPTION
NONE		

LINKS FROM:



TABLE	JOIN	DESCRIPTION
Film	Film.language_id = language.language_id	Foreign key reference from Film table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Language_id		Unique Identifier for a language

CITY TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
City_id 	SERIAL	ID of city
City	CHARACTER VARYING (50)	Name of city
Country_id 	SMALLINT	ID of country
Last_update	TIMESTAMP	Date of last update

LINKS TO:

TABLE	JOIN	DESCRIPTION
Country	City.country_id = country.country_id	Foreign key reference to country table

LINKS FROM:


TABLE	JOIN	DESCRIPTION
Address	Address.city_id = city.city_id	Foreign key reference from address table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
City_id		Unique Identifier for an address
Country_id		Unique Identifier for a city

COUNTRY TABLE

COLUMNS:

COLUMN	DATA TYPE	DESCRIPTION
Country_id 	SERIAL	ID of country
Country	CHARACTER VARYING (50)	Name of country
Last_update	TIMESTAMP	Date of last update

LINKS TO:

TABLE	JOIN	DESCRIPTION
NONE		

LINKS FROM:

TABLE	JOIN	DESCRIPTION
City	City.country_id = country.country_id	Foreign key reference from city table

UNIQUE KEYS:

COLUMN	KEY TYPE	DESCRIPTION
Country_id		Unique Identifier for a country