ROCKBUSTER STEALTH LLC

Data Dictionary

Table of Contents

1.Entity Relationship Diagram

film_actor
- actor_id — SMALLINT
- film_id — SMALLINT
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

actor
- actor_id — SERIAL
- first_name — CHARACTER VARYING(45)
- last_name — CHARACTER VARYING(45)
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

inventory
- inventory_id — SERIAL
- film_id — SMALLINT
- store_id — SMALLINT
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

film
- film_id — SERIAL
- title — CHARACTER VARYING(255)
- description — TEXT
- release_year — year
- language_id — SMALLINT
- rental_duration — SMALLINT
- rental_rate — NUMERIC(4, 2)
- length — SMALLINT
- replacement_cost — NUMERIC(5, 2)
- rating — mpaa_rating
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE
- special_features — TEXT[]
- fulltext — TSVECTOR

language
- language_id — SERIAL
- name — CHARACTER(20)
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

film_category
- film_id — SMALLINT
- category_id — SMALLINT
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

category
- category_id — SERIAL
- name — CHARACTER VARYING(25)
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

payment
- payment_id — SERIAL
- customer_id — SMALLINT
- staff_id — SMALLINT
- rental_id — INTEGER
- amount — NUMERIC(5, 2)
- payment_date — TIMESTAMP(6) WITHOUT TIME ZONE

rental
- rental_id — SERIAL
- rental_date — TIMESTAMP(6) WITHOUT TIME ZONE
- inventory_id — INTEGER
- customer_id — SMALLINT
- return_date — TIMESTAMP(6) WITHOUT TIME ZONE
- staff_id — SMALLINT
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

customer
- customer_id — SERIAL
- store_id — SMALLINT
- first_name — CHARACTER VARYING(45)
- last_name — CHARACTER VARYING(45)
- email — CHARACTER VARYING(50)
- address_id — SMALLINT
- activebool — BOOLEAN
- create_date — DATE
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE
- active — INTEGER

staff
- staff_id — SERIAL
- first_name — CHARACTER VARYING(45)
- last_name — CHARACTER VARYING(45)
- address_id — SMALLINT
- email — CHARACTER VARYING(50)
- store_id — SMALLINT
- active — BOOLEAN
- username — CHARACTER VARYING(16)
- password — CHARACTER VARYING(40)
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE
- picture — BYTEA

store
- store_id — SERIAL
- manager_staff_id — SMALLINT
- address_id — SMALLINT
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

address
- address_id — SERIAL
- address — CHARACTER VARYING(50)
- address2 — CHARACTER VARYING(50)
- district — CHARACTER VARYING(20)
- city_id — SMALLINT
- postal_code — CHARACTER VARYING(10)
- phone — CHARACTER VARYING(20)
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

city
- city_id — SERIAL
- city — CHARACTER VARYING(50)
- country_id — SMALLINT
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

country
- country_id — SERIAL
- country — CHARACTER VARYING(50)
- last_update — TIMESTAMP(6) WITHOUT TIME ZONE

2. FACT TABLES

 = Primary Key

 = Foreign Key

2.1 Payment

Table	Key	Columns	Data Type	Description
Payment	(PK)	payment_id	SERIAL	unique payment identifier
	(FK)	customer_id	SMALLINT	unique customer identifier
	(FK)	staff_id	SMALLINT	unique staff identifier
	(FK)	rental_id	INTEGER	unique rental identifier
		amount	NUMERIC (5,2)	numerical cost
		payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	date of payment with no timezone

Links to:
- CUSTOMER by customer_id
- STAFF by staff_id
- RENTAL by rental_id

Links From: None

2.2 Rental

Table	Key	Columns	Data Type	Description
rental	🔑 (PK)	rental_id	SERIAL	unique rental identifier
		rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of rental without time zone
	🔑	inventory_id	INTEGER	unique inventory identifier
	🔑	customer_id	SMALLINT	unique customer identifier
		return_date	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of return without time zone
	🔑	staff_id	SMALLINT	unique staff identifier
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update without time zone

Links to:
- INVENTORY by inventory_id
- CUSTOMER by customer_id
- STAFF by staff_id

Links from: None

3. DIMENSION TABLES

3.1 - Store

Table	Key	Columns	Data Type	Description
store	🔑	store_id	SERIAL	unique store identifier
	🔑	manager_staff_id	SMALLINT	id of store manager
	🔑	address_id	SMALLINT	id of address
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links to:
- STAFF by manager_staff_id
- ADDRESS by address_id

Links From: None

3.2 Film_Actor

Table	Key	Columns	Data Type	Description
film_actor	🔑	actor_id	SMALLINT	id of actor
	🔑	film_id	SMALLINT	id of film
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links to
- ACTOR by actor_id
- FILM by film_id

Links From: None

3.3 Inventory

Table	Key	Columns	Data Type	Description
inventory	🔑 (green key)	inventory_id	SERIAL	unique inventory identifier
	🔑 (yellow key)	film_id	SMALLINT	id of film
		store_id	SMALLINT	id of store
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links to:
- FILM by film_id

Links From
- RENTAL by inventory_id

3.4 Film_Category

Table	Key	Columns	Data Type	Description
film_category	🔑 (green key)	film_id	SMALLINT	id of film
	🔑 (yellow key)	category_id	SMALLINT	id of category
		last_update	TIMESTAMP(6) WITHOUT TIMEZONE	time and date of last update with no timezone

Links to:
- CATEGORY by category_id
- FILM by film_id

Links From - None

3.5 Customer

| Table	Key	Columns	Data Type	Description
customer	🔑	customer_id	SERIAL	unique customer identifier
		store_id	SMALLINT	id of store
		first_name	CHARACTER VARYING (45)	first name of customer
		last_name	CHARACTER VARYING (45)	last name of customer
		email	CHARACTER VARYING (50)	customer email
	🔑	address_id	SMALLINT	id of address
		activebool	BOOLEAN	customer activity status
		create_date	DATE	date customer created
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone
		active	INTEGER	active integer

Links to:
- ADDRESS by address_id

Links From:
- RENTAL BY customer_id
- PAYMENT by customer_id

3.6 Staff

Table	Key	Columns	Data Type	Description
staff	🔑	staff_id	SERIAL	unique staff identifier
		first_name	CHARACTER VARYING (45)	employee first name
		last_name	CHARACTER VARYING (45)	employee last name
	🔑	address_id	SMALLINT	address id
		email	CHARACTER VARYING (50)	employee email

		store_id	SMALLINT	store id
		active	BOOLEAN	active status
		username	CHARACTER VARYING (16)	username
		password	CHARACTER VARYING(40)	password
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone
		picture	BYTEA	photo of employee

3.7 Actor

Table	Key	Columns	Data Type	Description
actor	🔑	actor_id	SERIAL	unique actor identifier
		first_name	CHARACTER VARYING (45)	first name
		last_name	CHARACTER VARYING (45)	last name
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links To: None
Links From:
- FILM_ACTOR by actor_id

3.8 Film

Table	Key	Columns	Data Type	Description
film	🔑	film_id	SERIAL	unique film identifier
		title	CHARACTER VARYING (225)	name of film
		description	TEXT	description of film

| Key	Columns	Data Type	Description
	release_year	year	year of film
🔑	language_id	SMALLINT	language of rental
	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 of film if not returned
	rating	mpaa_rating	movie rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone
	special_features	TEXT[]	

Links To:
- LANGUAGE by language_id

Links From:
- FILM_ACTOR by film_id
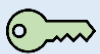- FILM_CATEGORY by film_id
- INVENTORY by film_id

3.9 Category

Table	Key	Columns	Data Type	Description
category	🔑	category_id	SERIAL	unique category identifier
		name	CHARACTER VARYING (25)	category name
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links To: None

Links From:
- FILM_CATEGORY by category_id

3.10 Address

Table	Key	Columns	Data Type	Description
address	🔑	address_id	SERIAL	unique address identifier

	Key	Columns	Data Type	Description
		address	CHARACTER VARYING (50)	address line
		address2	CHARACTER VARYING (50)	address line 2
		district	CHARACTER VARYING (20)	district name
	🔑	city_id	SMALLINT	id of city
		postal_code	CHARACTER VARYING (10)	postal code
		phone	CHARACTER VARYING (20)	phone number
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links To:
- CITY by city_id

Links From:
- CUSTOMER by address_id
- STAFF by address_id
- STORE by address_id

3.11 Language

Table	Key	Columns	Data Type	Description
language	🔑	language_id	SERIAL	unique language identifier
		name	CHARACTER(20)	character name
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links to – None

Links from:
- FILM by language_id

3.12 City

Table	Key	Columns	Data Type	Description
city	🔑	city_id	SERIAL	unique city identifier
		city	CHARACTER VARYING (50)	city name

Key	Columns	Data Type	Description
🔑	country_id	SMALLINT	id of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links To:
- COUNTRY by country_id

Links From:
- ADDRESS by city_id

3.13 Country

Table	Key	Columns	Data Type	Description
country	🔑	country_id	SERIAL	unique country identifier
		country	CHARACTER VARYING (50)	country name
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	time and date of last update with no timezone

Links to: None

Links From:
- CITY by country_id