Rockbuster Stealth LLC

Data Dictionary

Content

1. Entity Relationship Diagram
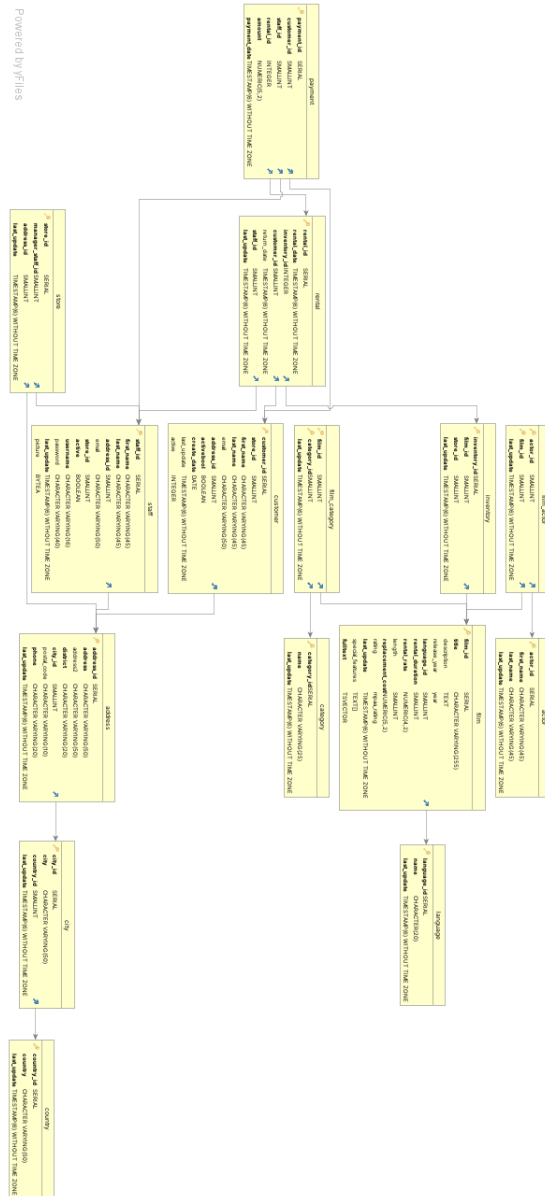
2. Tables

🗝	Primary Key
🔑	Foreign Key

Fact Tables

payment

	Column	Datatype	Description
🗝	payment_id	Serial	Primary key identifier representing a <u>unique</u> payment
🔑	customer_id	Smallint	Foreign key connecting to customer table
🔑	staff_id	Smallint	Foreign key connecting to staff table
🔑	rental_id	Integer	Foreign key connecting to rental table
	amount	Numeric	Transaction amount for each payment
	payment_date	Timestamp	Date and time for each 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

rental

	Column	Datatype	Description
🔑	rental_id	Serial	Primary key identifier representing a <u>unique</u> rental
	rental_date	Timestamp	Date and time for each rental
🔑	inventory_id	Integer	Foreign key connecting to inventory table
🔑	customer_id	Smallint	Foreign key connecting to customer table
	return_date	Timestamp	Date and time for rental return
🔑	staff_id	Smallint	Foreign key connecting to staff table

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

Links from:

Table	Join
payment	**payment**.rental_id = **rental**.rental_id

Dimension Tables

film

	Column	Datatype	Description
🔑	film_id	Serial	Primary key identifier representing a <u>unique</u> film
	title	Varchar	Film title
	description	Text	Film description
	release_year	Year	Film release year
🔑	language_id	Smallint	Foreign key connecting to language table
	rental_duration	Smallint	Film rental duration
	rental_rate	Numeric	Film rental rate
	length	Smallint	Film length
	replacement_cost	Numeric	Flim rental replacement cost
	rating	Mpaa_rating	Film MPAA rating
	last_update	Timestamp	Date and time for last updated record
	special_feature	Text[]	Film special features
	full_text	TSVector	additional information

Links to:

Table	Join
language	**film**.language_id = **language**.language_id

Links from:

Table	Join
film_actor	**film_actor**.film_id = **film**.film_id
inventory	**Inventory**.film_id = **film**.film_id
film_category	**Film_category.**film_id = **film**.film_id

film_category

	Column	Datatype	Description
🔑	film_id	Smallint	Foreign key connecting to film table
🔑	category_id	Smallint	Foreign key connecting to category table
	last_update	Timestamp	Date and time for last updated record

Links to:

Table	Join
film	**film**.film_id = **film_category**.film_id
category	**category.**category_id = **film_category.**category_id

category

	Column	Datatype	Description
🔑	category_id	Serial	Primary key identifier representing a <u>unique</u> category
	name	Varchar	Category name
	last_update	Timestamp	Date and time for last updated record

Links from:

Table	Join
film_category	**film_category**.category_id = **category**.category_id

film_actor

	Column	Datatype	Description
🔑	actor_id	Smallint	Foreign key connecting to actor table
🔑	film_id	Smallint	Foreign key connecting to film table
	last_updated	Timestamp	Date and time for last updated record

Links to:

Table	Join
actor	**actor**.actor_id = **film_actor**.actor_id
film	**film.**film_id **= film_**actor.film_id

actor

	Column	Datatype	Description
🔑	actor_id	Serial	Primary key identifier representing a <u>unique</u> actor
	first_name	Varchar	Actor first name
	last_name	Varchar	Actor last name
	last_update	Timestamp	Date and time for last updated record

Links from:

Table	Join
film_actor	**film_actor**.actor_id = **actor**.actor_id

language

	Column	Datatype	Description
🔑	language_id	Serial	Primary key identifier representing a <u>unique</u> language
	name	Varchar	Language name
	last_update	Timestamp	Date and time for last updated record

Links from:

Table	Join
film	**film_**.language_id = **language**.language_id

store

	Column	Datatype	Description
🔑	store_id	Serial	Primary key identifier representing a <u>unique</u> store
🔑	manager_staff_id	Smallint	Foreign key connecting to staff table
🔑	address_id	Smallint	Foreign key connecting to address table
	last_update	Timestamp	Date and time for last updated record

Links to:

Table	Join
staff	**store**.manager_staff_id = **staff**.staff_id
address	**store.**address_id = **address.**address_id

inventory

	Column	Datatype	Description
🔑	inventory_id	Serial	Primary key identifier representing a <u>unique</u> inventory item
🔑	film_id	Smallint	Foreign key connecting to film table
🔑	store_id	Smallint	Foreign key connecting to store table
	last_updated	Timestamp	Date and time for last updated record

Links to:

Table	Join
film	**inventory**.film_id = **film**.film_id
store	**inventory.**store_id = **store**.store_id

Links from:

Table	Join
rental	**rental**.inventory_id = **inventory**.inventory_id

staff

	Column	Datatype	Description
🔑	staff_id	Serial	Primary key identifier representing a unique staff member
	first_name	Varchar	Staff first name
	last_name	Varchar	Staff last name
🔑	address_id	Smallint	Foreign key connecting to address table
	email	Varchar	Staff email address
🔑	store_id	Smallint	Foreign key connecting to store table
	active	Boolean	Indicate whether staff member is active or not
	username	Varchar	Staff username
	password	Varchar	Staff password
	last_update	Timestamp	Date and time for last updated record
	picture	BYTEA	Staff personal photo

Links to:

Table	Join
address	**staff**.address_id = **address**.address_id

Links from:

Table	Join
payment	**payment**.staff_id = **staff**.staff_id
rental	**rental.**staff_id = **staff.**staff_id
store	**store.**manager_staff_id = **staff.**staff_id

customer

	Column	Datatype	Description
🔑	customer_id	Serial	Primary key identifier representing a unique customer
🔑	store_id	Smallint	Foreign key connecting to store table
	first_name	Varchar	Customer first name
	last_name	Varchar	Customer last name
	email	Varchar	Customer email address
🔑	address_id	Smallint	Foreign key connecting to address table
	activebool	Boolean	Indicate whether customer is active or not
	create_date	Date	Date or customer account creation
	last_update	Timestamp	Date and time for last updated record
	active	Integer	Indicate whether customer is active or not

Links to:

Table	Join
store	**customer**.store_id = **store**.store_id
address	**customer**.address_id = **address**.address_id

Links from:

Table	Join
payment	**payment**.customer_id = **customer**.customer_id
rental	**rental.**customer_id = **customer.**staff_id

address

	Column	Datatype	Description
🔑	address_id	Serial	Primary key identifier representing a <u>unique</u> address record
	address	Varchar	Customer or staff first address
	address2	Varchar	Customer or staff second address
	district	Varchar	Customer or staff district
🔑	city_id	Smallint	Foreign key connecting to city table
	postal_code	Varchar	Customer or staff postal code
	phone	Varchar	Customer or staff phone number
	last_update	Timestamp	Date and time for last updated record

Links to:

Table	Join
city	**address**.city_id = **city**.city_id

Links from:

Table	Join
staff	**staff**.address_id = **address**.address_id
customer	**customer.**address_id = **address.**address_id
store	**store.**address_id = **address.**staff_id

city

	Column	Datatype	Description
🔑	city_id	Serial	Primary key identifier representing a <u>unique</u> city record
	city	Varchar	City name
🔑	country_id	Smallint	Foreign key connecting to country table
	last_update	Timestamp	Date and time for last updated record

Links to:

Table	Join
country	**city**.country_id = **country**.country_id

Links from:

Table	Join
address	**address**.city_id = **city**.city_id

country

	Column	Datatype	Description
🔑	country_id	Serial	Primary key identifier representing a <u>unique</u> country record
	country	Varchar	Country name
	last_update	Timestamp	Date and time for last updated record

Links from:

Table	Join
city	**city**.country_id = **country**.country_id