Rockbuster Stealth LLC
Data Dictionary
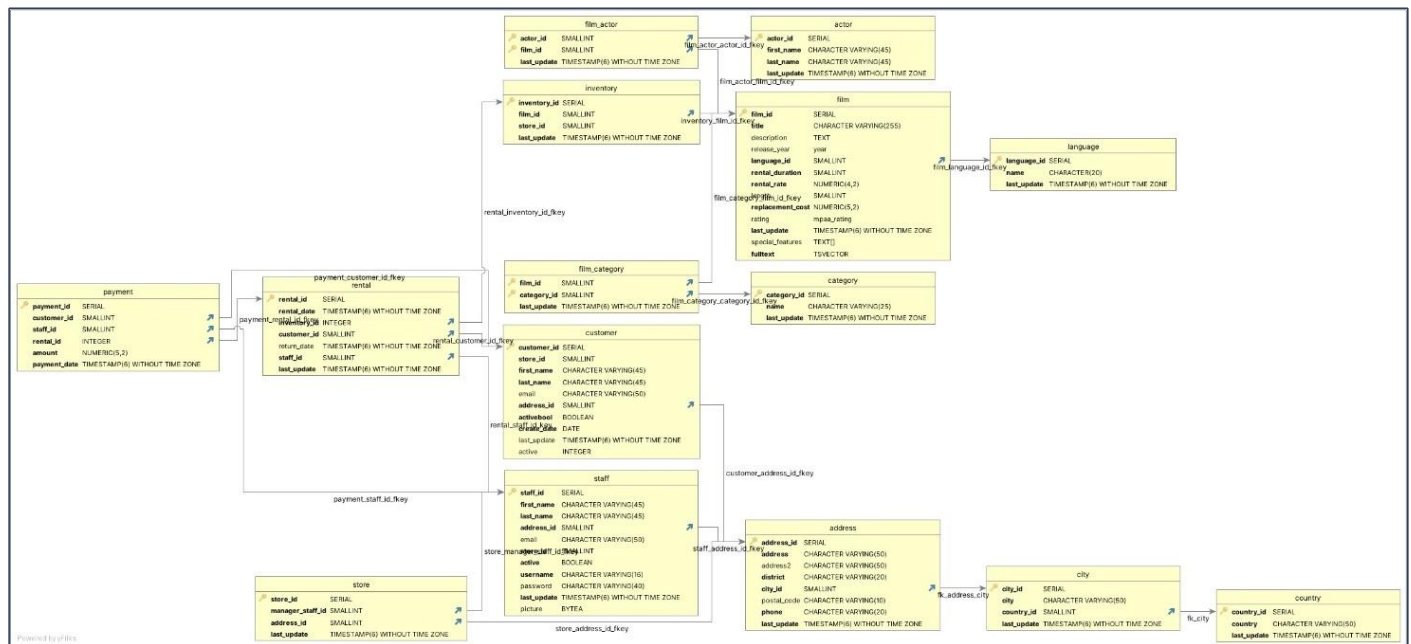
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Legends

⚡ Primary Key

✓ Foreign Key

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

film_actor_actor_id_fkey
film_actor_film_id_fkey

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

inventory_film_id_fkey

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_language_id_fkey
film_category_film_id_fkey

rental_inventory_id_fkey

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

payment_customer_id_fkey

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

payment_rental_id_fkey
rental_customer_id_fkey

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

film_category_category_id_fkey

category
category_id	SERIAL
name	CHARACTER VARYING(25)
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

rental_staff_id_fkey
customer_address_id_fkey

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

payment_staff_id_fkey
staff_address_id_fkey

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

fk_address_city

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

store_manager_staff_id_fkey
store_address_id_fkey

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

fk_city

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

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Fact Table: Payment

3.1

Table	Columns	Data Type	Description of Data Type	Description
⚡	payment_id	serial	automatically created a unique number	id of payment
✓	customer_id	smallint	The small whole number in the range +- 32,767	id of customer
✓	staff_id	smallint	The small whole number in the range +- 32,767	id of staff
✓	rental_id	integer	The whole number in the range +- 2,147,483,647	id of rental
	amount	numeric	fixed point decimal	amount paid
	payment_date	timestamp(6) without time zone	format of the Data and Time	date of payment

Links to	Table	Columns	Description
	Customer	customer_id	the unique id of customer
	Staff	staff_id	the unique id of staff
	Rental	rental_id	the unique id of rent

3.2 Rental table

Table	Columns	Data Type	Description of Data Type	Description
⚡	rental_id	serial	automatically created a unique number	id of rent
	rental_date	timestamp (6) without time zone	format of the Data and Time	Rent start date
✓	inventory_id	integer	The whole number in the range +- 2,147,483,647	Inventory number
✓	customer_id	smallint	The small whole number in the range +- 32,767	id of customer
	return_date	timestamp (6) without time zone	format of the Data and Time	Rent finish date
✓	staff_id	smallint	The small whole number in the range +- 32,767	Id of staff person
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links to	Table	Columns	Description
	Customer	customer_id	the unique id of customer
	Staff	staff_id	the unique id of staff
	Inventory	inventory_id	the unique id of rent

Links from	Table	Join	Description
	Payment	payment_id	automatically created a unique number id of payment

3.3 Film_actor

Table	Columns	Data Type	Description of Data Type	Description
⚡ ✓	actor_id	smallint	The small whole number in the range +- 32,767	id of actor
⚡ ✓	film_id	smallint	The small whole number in the range +- 32,767	Id of film
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links to	Table	Columns	Description
	Actor	actor_id	the unique id of actor
	Film	film_id	the unique id of film
	Inventory	Film_id	the unique id of film
	Film_category	Film_id	the unique id of film

3.4 Inventory

Table	Columns	Data Type	Description of Data Type	Description
⚡	inventory_id	serial	automatically created a unique number	id of inventory
✓	film_id	smallint	The small whole number in the range +- 32,767	Id of film

	customer_id	smallint	The small whole number in the range +- 32,767	id of customer
	Last_update	timestamp (6) without time zone	format of the Data and Tim	Date of last update

Links to	Table	Columns	Description
	Film	film_id	the unique id of film
	Film_actor	film_id	the unique id of film
	Category	film_id	the unique id of film

Links from	Table	Join	Description
	Rental	Inventory_id	unique number id of inventory

3.5 Film_category

Table	Columns	Data Type	Description of Data Type	Description
⚡✓	film_id	smallint	The small whole number in the range +- 32,767	id of film
⚡✓	category_id	smallint	The small whole number in the range +- 32,767	Id of category
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links to	Table	Columns	Description
	Category	category_id	the unique id of film
	Inventory	film_id	the unique id of film
	Film	film_id	the unique id of film
	Film-actor	film_id	the unique id of film

3.6 Customer table:

Table	Columns	Data Type	Description of Data Type	Description
⚡	customer_id	serial	automatically created a unique number	id of customer
	First_name	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	First name of customer
	Last_name	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	Last name of customer
	Email	Charactervaying (50)	String of letters, digits or symbols of varying length max 50	Email of customer
✔	Address_id	smallint	The small whole number in the range +- 32,767	Id of customer address
	Activebol	Boolean	Data type with 2 possible values	Confirmation of customer activity

	Create_date	Date	format of the Data	Data of customer id creation
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update
	Active	Integer	The whole number in the range +- 2,147,483,647	Number of interactions with customer

Links to	Table	Columns	Description
	Staff	address_id	the unique id of actor
	Address	address _id	the unique id of film
	Store	address _id	the unique id of film

3.7 Staff

Table	Columns	Data Type	Description of Data Type	Description
⚡	staff_id	serial	automatically created a unique number	id of rent
	First_name	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	Rent start date
	Last_name	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	Inventory number
✔	Address_id	smallint	The small whole number in the range +- 32,767	id of customer
	email	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	Rent finish date
	Store_id	smallint	The small whole number in the range +- 32,767	Id of staff person
	Active	Boolean	2 value parameters	Date of update
	Username	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	Username of staff

	Password	Charactervaying (45)	String of letters, digits or symbols of varying length max 45	Staff Password
	Picture	Bytea	Image in bytes	photo

Links to	Table	Columns	Description
⚡	Address	address_id	the unique id of address
	Customer	address _id	the unique id of address
	Store	address _id	the unique id of address

Links from	Table	Join	Description
	Rental	Staff_id	unique number id of staff
	Store	Staff_id	unique number id of staff
	Payment	Staff_id	unique number id of staff

Table	Columns	Data Type	Description of Data Type	Description
⚡	Store_id	serial	automatically created a unique number	id of store
✓	Manager_staff_id	smallint	The small whole number in the range +- 32,767	Id of store manager
✓	Address_id	smallint	The small whole number in the range +- 32,767	Id store address
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

3.8 Story

Links to	Table	Columns	Description
	Address	address _id	the unique id of address

	Staff	address _id	the unique id of address

Links from	Table	Columns	Description
	Customer	address_id	the unique id of address
	Rental	manager_staff_id	id of store manager
	Payment	manager_staff_id	id of store manager
	Staff	manager_staff_id	Id of store manager

3.9 Address

Table	Columns	Data Type	Description of Data Type	Description
⚡	address_id	serial	automatically created a unique number	id of address
	Address	Charactervarying(50)	String of letters, digits or symbols of varying length max 50	Address
	Address2	Charactervarying(50)	String of letters, digits or symbols of varying length max 50	Address additional data
	District	Charactervarying(20)	String of letters, digits or symbols of varying length max 20	District name
✓	City_id	Smallint	The small whole number in the range +- 32,767	Id of city
	Postal_code	Charactervarying(10)	String of letters, digits or symbols of	Address postal code

			varying length max 10	
	Phone	Charactervarying(20)	String of letters, digits or symbols of varying length max 20	Phone number
	Last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links to	Table	Columns	Description
	City	city _id	the unique id of city

Links from	Table	Columns	Description
	Story	address _id	the unique id of address
	Staff	address _id	the unique id of address
	Customer	Address_id	

3.10 City

Table	Columns	Data Type	Description of Data Type	Description
⚡	city_id	serial	automatically created a unique number	id of city

Table	Columns	Data Type	Description of Data Type	Description
	city	Charactervarying(50)	String of letters, digits or symbols of varying length max 50	City name
✔	country_id	smallint	The small whole number in the range +- 32,767	Id of country
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links to	Table	Columns	Description
	Country	country _id	the unique id of country

Links from	Table	Columns	Description
	Address	city _id	the unique id of address

3.11 Country

Table	Columns	Data Type	Description of Data Type	Description
⚡	country_id	serial	automatically created a unique number	id of country
	country	Charactervarying(50)	String of letters, digits or symbols of varying length max 50	Country name
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links from	Table	Columns	Description
	City	city _id	the unique id of city

3.12 Actor

Table	Columns	Data Type	Description of Data Type	Description
⚡	actor_id	serial	automatically created a unique number	id of actor
	First_name	Charactervarying(50)	String of letters, digits, or symbols of varying length max 50	Customer first name
	Last_name	Charactervarying(50)	String of letters, digits, or symbols of varying length max 50	Customer last name
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links from	Table	Columns	Description
	Film_actor	actor _id	the unique id of actor

Table	Columns	Data Type	Description of Data Type	Description
	film_id	serial	automatically created a unique number	id of film
	Title	Charactervarying(255)	String of letters, digits, or symbols of varying length max 255	Film title
	Description	text	Text string	Film description
	Release_year	year	The small whole number in the range +- 32,767	Year of film release
	Language_id	smallint	The small whole number in the range +- 32,767	Id of language
	rental_duration	smallint	The small whole number in the range +- 32,767	Duration of rent in days
	rantal_rate	Numeric (4,2)	Numeric with 4 digits and 2 after decimal point	Rate of rent in $
	length	smallint	The small whole number in the range +- 32,767	Film length in min
	Replacement_cost	Numeric(5,2)	Numeric with 5digits and 2 after decimal point	Cost of film replacement
	rating	Mpaa_rating	Motion Pictures Association of America rating	Film rating
	Last_update	timestamp (6) without time zone	format of the Data and Time	Date of update
	Special futures	Text[]	Variable width character string supports non-unicode data	Additional description
	Fulltext	TSVector	Optimized for text search string	Additional description

3.13 Film

Links to	Table	Columns	Description
⚡	Language	language _id	the unique id of language

Links from	Table	Columns	Description
	Film_actor	film _id	the unique id of film
	Inventory	film _id	the unique id of film
	Film_category	film _id	the unique id of film

3.14 Category

Table	Columns	Data Type	Description of Data Type	Description
⚡	category_id	serial	automatically created a unique number	id of category
	name	Charactervarying(25)	String of letters, digits, or symbols of varying length max 25	Category name
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of last update

Links from	Table	Columns	Description
	Film_category	category _id	the unique id of language

3.15 Language

Table	Columns	Data Type	Description of Data Type	Description
⚡	language_id	serial	automatically created a unique number	id of language
	name	Charactervarying(20)	String of letters, digits, or symbols of varying length max 20	Name of language
	last_update	timestamp (6) without time zone	format of the Data and Time	Date of update

Links from	Table	Columns	Description
	Film	language _id	the unique id of language