Data Dictionary

Rockbuster Stealth LLC

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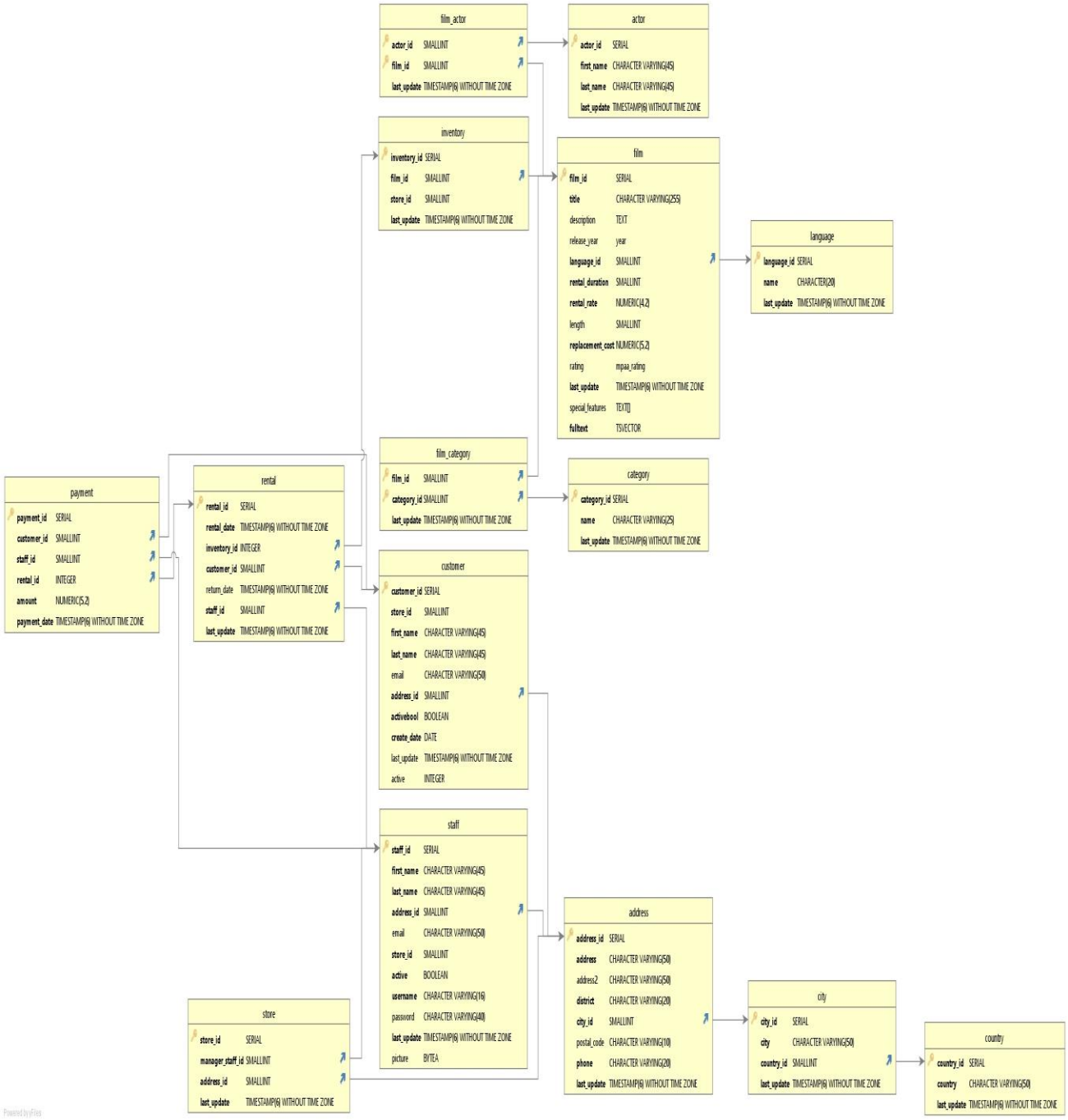
1. Rockbuster Database ERD



2.Data Tables

Legend

PK: Primary Key

FK: Foreign Key

2.1. People

2.1.1. Table Name: actor

Key	Column Name	Data Type	Description
PK	actor_id	int4	Unique ID for each record
	first_name	varchar45	Actor`s first name
	last_name	varchar45	Actor`s last name
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
-	-

Linked From:

Table Name	Join
film_actor	film_actor.actor_id = actor.actor_id

2.1.2. Table Name: customer

Key	Column Name	Data Type	Description
PK	customer_id	int4	Unique ID for each record
FK	store_id	int2	Store unique ID
	first_name	varchar45	Customer`s first name
	last_name	varchar45	Customer`s lastname
	email	varchar50	Customer`s email address
FK	address_id	int2	Address unique ID
	activebool	bool	Active status of the customer by true,false
	create_date	date	Date of recording the row
	last_update	timestamp	Date of editing the row
	active	int4	Active status of the customer by 1,0

Links To:

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

Linked From:

Table Name	Join
rental	rental.customer_id = customer.customer_id
payment	payment.customer_id = customer.customer_id

2.1.3.Table Name: staff

Key	Column Name	Data Type	Description
PK	staff_id	int4	Unique ID for each record
	first_name	varchar45	Staff firstname
	last_name	varchar45	Staff lastname
FK	address_id	int2	Address unique ID
	email	varchar50	Staff email address
FK	store_id	int2	Store unique ID
	active	bool	Indicate staff is active or not
	username	varchar16	Staff username
	password	varchar40	Staff password
	last_update	timestamp	Date of recording or editing the row
	picture	bytea	Staff image

Links To:

Table Name	Join
address	address.address_id = staff.address_id
store	store.store_id = staff.store_id

Linked From:

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

2.2. Film

2.2.1.Table Name: category

Key	Column Name	Data Type	Description
PK	category_id	int4	Unique ID for each record
	name	varchar25	Name of film category
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
-	-

Linked From:

Table Name	Join
film_category	film_category.category_id = category.category_id

2.2.2.Table Name: film

Key	Column Name	Data Type	Description
PK	film_id	int4	Unique ID for each record
	title	varchar255	Title of film
	description	text	Film description
	release_year	int4	Year of film production
FK	language_id	int2	Original film`s language unique ID
	rental_duration	int2	Duration of film rental
	rental_rate	numeric	Rate of film rental
	length	int2	Length of film (minutes)
	replacement_cost	numeric	
	rating	mpaa_rating	Motion Picture Association film rating`s code
	last_update	timestamp	Date of recording or editing the row
	special_features	_text	Extra info text about special features
	fulltext	tsvector	We can use it Full Text Search

Links To:

Table Name	Join
language	language.language_id = film.language_id

Linked From:

Table Name	Join
film_actor	film_actor.film_id = film.film_id
film_category	film_category.film_id = film.film_id
inventory	inventory.film_id = film.film_id

2.2.3.Table Name: Film_actor

Key	Column Name	Data Type	Description
FK	actor_id	int2	Actor unique ID
FK	film_id	int2	Film unique ID
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
actor	actor.actor_id = film_actor.actor_id
film	film.film_id = film_actor.film_id

Linked From:

Table Name	Join
-	-

2.2.4.Table Name: Film_category

Key	Column Name	Data Type	Description
FK	film_id	int2	Film unique ID
FK	category_id	int2	Category ID
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
film	film.film_id = film_category.film_id
category	category. category _id = film_category. category _id

Linked From:

Table Name	Join
-	-

2.2.5.Table Name: language

Key	Column Name	Data Type	Description
PK	language_id	int4	Unique ID for each record
	name	bpchar20	Language name
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
film	film.language_id = language.language_id

Linked From:

Table Name	Join
-	-

2.3.Location

2.3.1.Table Name: address

Key	Column Name	Data Type	Description
PK	address_id	int4	Unique ID for each record
	address	varchar50	Location Address
	address2	varchar50	Location Address2
	district	varchar20	Name of District
FK	city_id	int2	City unique ID
	postal_code	varchar10	Location postal code
	phone	varchar20	Phone number
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
city	city.city_id = address.city_id

Linked From:

Table Name	Join
customer	customer.address_id = address.address_id
staff	staff.address_id = address.address_id
store	store.address_id = address.address_id

2.3.2.Table Name: city

Key	Column Name	Data Type	Description
PK	city_id	int4	Unique ID for each record
	city	varchar50	Name of city
FK	country_id	int2	Country unique ID
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
country	country.country_id = city. country_id

Linked From:

Table Name	Join
address	address.city_id =city.city_id

2.3.3.Table Name: country

Key	Column Name	Data Type	Description
PK	country_id	int4	Unique ID for each record
	country	varchar50	Name of country
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
-	-

Linked From:

Table Name	Join
city	city.country_id = country.country_id

2.3.4.Table Name: store

Key	Column Name	Data Type	Description
PK	store_id	int4	Unique ID for each record
FK	manager_staff_id	int2	Staff unique ID
FK	address_id	int2	Actor unique ID
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
staff	staff.staff_id = store.staff_manager_id
address	address.address_id = store.address.id

Linked From:

Table Name	Join
staff	staff.store_id = store.store_id

2.3.5.Table Name: inventory

Key	Column Name	Data Type	Description
PK	inventory_id	int4	Unique ID for each record
FK	film_id	int2	Film unique ID
FK	store_id	int2	Store unique ID
	last_update	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
film	film.film_id = inventory.film_id
store	store.store_id = inventory.sotre_id

Linked From:

Table Name	Join
rental	rental.inventory_id = inventory.inventory_id

2.4.Payment

2.4.1.Table Name: payment

Key	Column Name	Data Type	Description
PK	payment_id	int4	Unique ID for each record
FK	customer_id	int2	Customer unique ID
FK	staff_id	int2	Staff unique ID
FK	rental_id	int4	Rental unique ID
	amount	numeric	Amount of payment
	payment_date	timestamp	Date of recording or editing the row

Links To:

Table Name	Join
customer	customer.customer_id = payment.payment_id
staff	customer.staff_id = staff.staff_id
rental	customer.rental_id = rental.rental_id

Linked From:

Table Name	Join
-	-

2.4.2.Table Name: rental

Key	Column Name	Data Type	Description
PK	rental_id	int4	Unique ID for each record
	rental_date	timestamp	Date of recording the rent
FK	inventory_id	int4	Inventory unique ID
FK	customer_id	int2	Customer unique ID
	return_date	timestamp	Date of returning the film
FK	staff_id	int2	Staff unique ID
	last_update	timestamp	Date of recording or editing the row

Links To:

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

Linked From:

Table Name	Join
payment	payment.rental_id = rental.rental_id