2020

Rockbuster Stealth LLC

DATA DICTIONARY

REBECCA LUCK

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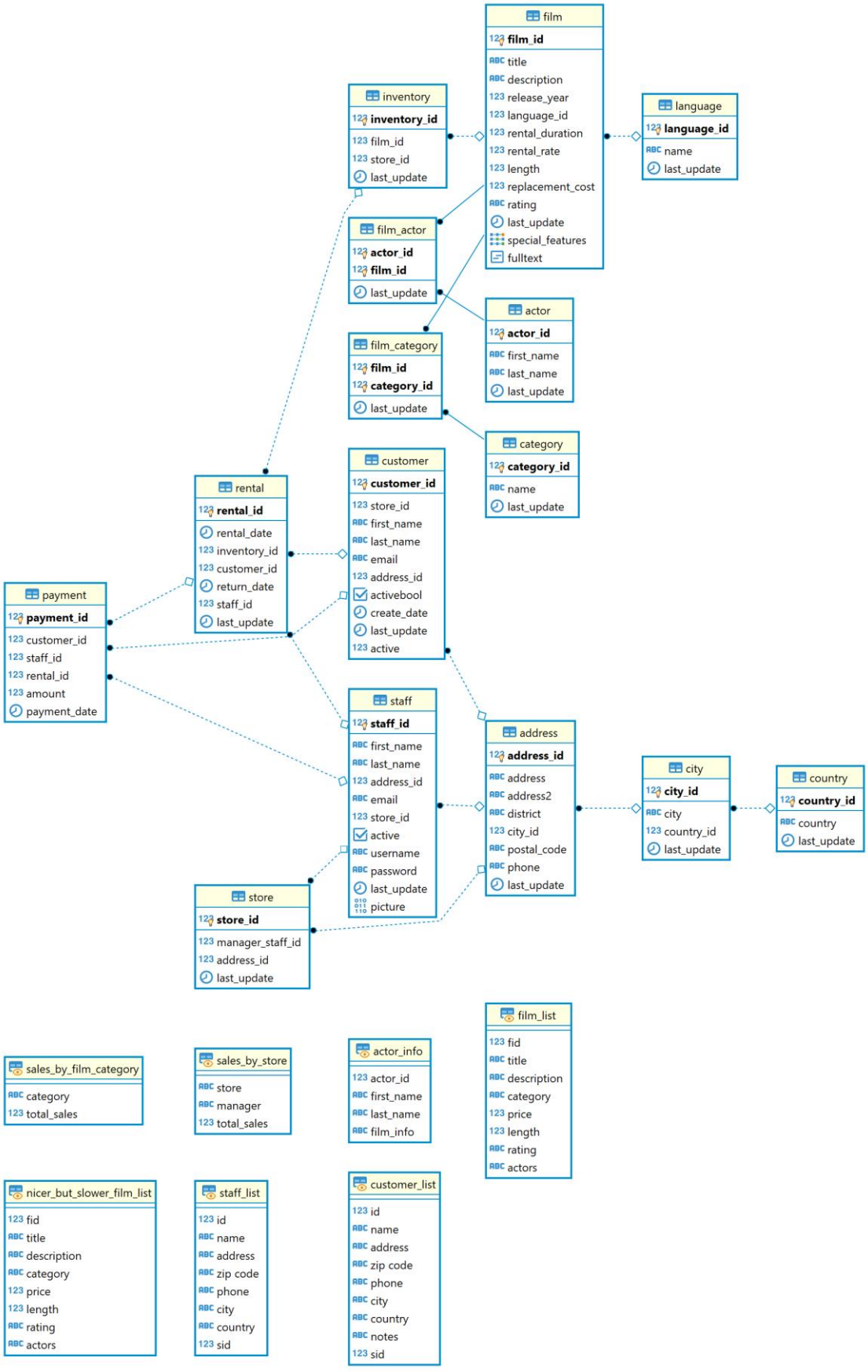
1. ERD


film
film_id
title
description
release_year
language_id
rental_duration
rental_rate
length
replacement_cost
rating
last_update
special_features
fulltext
inventory
inventory_id
film_id
store_id
last_update
language
language_id
name
last_update
film_actor
actor_id
film_id
last_update
actor
actor_id
first_name
last_name
last_update
film_category
film_id
category_id
last_update
category
category_id
name
last_update
customer
customer_id
store_id
first_name
last_name
email
address_id
activebool
create_date
last_update
active
rental
rental_id
rental_date
inventory_id
customer_id
return_date
staff_id
last_update
payment
payment_id
customer_id
staff_id
rental_id
amount
payment_date
staff
staff_id
first_name
last_name
address_id
email
store_id
active
username
password
last_update
picture
address
address_id
address
address2
district
city_id
postal_code
phone
last_update
city
city_id
city
country_id
last_update
country
country_id
country
last_update
store
store_id
manager_staff_id
address_id
last_update
film_list
fid
title
description
category
price
length
rating
actors
sales_by_film_category
category
total_sales
sales_by_store
store
manager
total_sales
actor_info
actor_id
first_name
last_name
film_info
nicer_but_slower_film_list
fid
title
description
category
price
length
rating
actors
staff_list
id
name
address
zip code
phone
city
country
sid
customer_list
id
name
address
zip code
phone
city
country
notes
sid

2. Tables

2.1 Table: Actor

Columns:

Key	Name	Data Type	Description
🗝	Actor_id	(PK) Integer	Unique identification number for actor
	First_name	Varchar(45)	First name of actor
	Last_name	Varchar(45)	Last name of actor
	Last_update	Timestamp	Date and time the record was last updated

Links From:

Table	Join	Description
Film_Actor	film_actor.actor_id = **Actor.**actor_id	FK_film_actor_actor_actor_id

2.2 Table: Address

Columns:

Key	Name	Data Type	Description
🗝	Address_id	(PK) Integer	Unique identification number for customer address
	Address	Varchar(50)	First line of customer address
	Address2	Varchar(50)	Second line of customer address
	District	Varchar(20)	State/Province of customer address
	City_id	Smallint	Unique identification number of city from customer address
	Postal_code	Varchar(10)	Zip/Postal code of customer address
	Phone	Varchar(20)	Customer phone number
	Last_update	Timestamp	Date and time the record was last updated

Links To:

Table	Join	Description
City	**Address.**city_id = city.city_id	FK_address_city_city_id

Links From:

Table	Join	Description
Customer	customer**.**address_id = **Address.**address_id	FK_customer_address_address_id
Staff	staff.address_id = **Address.**address_id	FK_staff_address_address_id
Store	store_address_id = **Address.**address_id	FK_store_address_address_id

2.3 Table: Category

Columns:

Key	Name	Data Type	Description
🔑	Category_id	(PK) Integer	Unique identification number of film category
	Name	Varchar(25)	Genre of film
	Last_update	Timestamp	Date and time the record was last updated

Links From:

Table	Join	Description
Film_category	film_category.category_id = **Category.**category_id	FK_category_film_category_category_id

2.4 Table: City

Columns:

Key	Name	Data Type	Description
🔑	City_id	(PK) Integer	Unique identification number of cities from customer address
	City	Varchar(50)	Name of City
	Country_id	Smallint	Unique identification number of countries
	Last_update	Timestamp	Date and time the record was last updated

Links From:

Table	Join	Description
Address	address.city_id = **City.**city_id	FK_address_city_city_id

2.5 Table: Country

Columns:

Key	Name	Data Type	Description
🔑	Country_id	(PK) Integer	Unique identification number of countries
	Country	Varchar(50)	Name of country
	Last_update	Timestamp	Date and time the record was last updated

Links From:

Table	Join	Description
City	city.country_id = **Country**.country_id	FK_city_country_country_id

2.6 Table: Customer

Columns:

Key	Name	Data Type	Description
🗝	Customer_id	(PK) Integer	Unique Identification number of customers
	Store_id	Smallint	Unique Identification number of stores
	First_name	Varchar(45)	First name of customer
	Last_name	Varchar(45)	Last name of customer
	email	Varchar(50)	Customer email address
	Address_id	Smallint	Unique identification number for customer address
	Activebool	Boolean	Is the customer active?
	Create_date	Date	Date the customer record was created
	Last_update	Timestamp	Date and time the record was last updated
	Active	Integer	Is the customer active?

Links To:

Table	Join	Description
Address	**Customer.**address_id = address.address_id	FK_customer_address_address_id

Links From:

Table	Join	Description
Payment	payment.customer_id = **Customer.**customer_id	FK_payment_customer_customer_id
Rental	rental.customer_id = **Customer.**customer_id	FK_rental_customer_customer_id

2.7 Table: Film

Columns:

Key	Name	Data Type	Description
🗝	Film_id	(PK) Integer	Unique Identification number of films
	Title	Varchar(255)	Title of film
	Description	Text	Brief description of film
	Release_year	Integer	Year the film was released
	Language_id	Smallint	Unique Identification number for language of films
	Rental_duration	Smallint	Number of days film can be rented
	Rental_rate	Numeric (4,2)	Price of rental
	Length	Smallint	Length of film in minutes
	Replacement_cost	Numeric (5,2)	Price of replacing film
	Rating	Mpaa_rating	Motion picture associate film rating
	Last_update	Timestamp	Date and time the record was last updated

	Special_features	Text()	Any additional features of movie eg “deleted scenes”
	Full_text	tsvector	Text search terms of film

Links To:

Table	Join	Description
Language	**Film.**language_id = language.language_id	FK_film_language_language_id
Film_actor	**Film**.film_id = film_actor.film_id	FK_film_film_actor_film_id
Film_category	**Film**.film_id = film_category.film_id	FK_film_film_category_film_id

Links From:

Table	Join	Description
Inventory	Inventory.film_id = **Film**.film_id	FK_inventory_film_film_id

2.8 Table: Film Actor

Columns:

Key	Name	Data Type	Description
🔑	Actor_id	(PK) Smallint	Unique identification number for actor
🔑	Film_id	(PK) Smallint	Unique Identification number of films
	Last_update	Timestamp	Date and time the record was last updated

Links To:

Table	Join	Description
Actor	**Film_actor.**actor_id = actor.actor_id	FK_film_actor_actor_actor_id

Links From:

Table	Join	Description
Film	film.film_id = **Film_actor**.film_id	FK_film_film_actor_film_id

2.9 Table: Film Category

Columns:

Key	Name	Data Type	Description
🔑	Film_id	(PK) Smallint	Unique Identification number of films
🔑	Category_id	(PK) Smallint	Unique identification number of film category
	Last_update	Timestamp	Date and time the record was last updated

Links To:

Table	Join	Description
Category	**Film_Category.**category_id = category.category_id	FK_film_category_category_category_id

Links From:

Table	Join	Description
Film	film.film_id = **Film_category**.film_id	FK_film_film_category_film_id

2.10 Table: Inventory

Columns:

Key	Name	Data Type	Description
🔑	Inventory_id	(PK) Integer	Unique Identification number of inventories
	Film_id	Smallint	Unique Identification number of films
	Store_id	Smallint	Unique Identification number of stores
	Last_update	Timestamp	Date and time the record was last updated

Links To:

Table	Join	Description
Film	**Inventory.**film_id = film.film_id	FK_inventory_film_film_id

Links From:

Table	Join	Description
Rental	rental.inventory_id = **Inventory**.inventory_id	FK_rental_inventory_inventory_id

2.11 Table: Language

Columns:

Key	Name	Data Type	Description
🔑	Language_id	(PK) Integer	Unique Identification number for language of films
	Name	Char(20)	Name of language
	Last_update	Timestamp	Date and time the record was last updated

Links From:

Table	Join	Description
Film	film.language_id = **Language**.language_id	FK_film_language_language_id

2.12 Table: Payment

Columns:

Key	Name	Data Type	Description
🗝	Payment_id	(PK) Integer	Unique Identification number for language of customer payments
	Customer_id	Smallint	Unique Identification number of customers
	Staff_id	Smallint	Unique Identification number of staff members
	Rental_id	Integer	Unique Identification number of rental transactions
	Amount	Numeric (5,2)	Payment amount
	Payment_date	Timestamp	Date and Time payment was made

Links To:

Table	Join	Description
Rental	**Payment.**rental_id = rental.rental_id	FK_payment_rental_rental_id
Customer	**Payment.**customer_id = customer.customer_id	FK_payment_customer_customer_id
Staff	**Payment.**staff_id = staff.staff_id	FK_payment_staff_staff_id

2.13 Table: Rental

Columns:

Key	Name	Data Type	Description
🗝	Rental_id	(PK) Integer	Unique Identification number of rental transactions
	Rental_date	Timestamp	Date and Time rental was made
	Inventory_id	Integer	Unique Identification number of inventories
	Customer_id	Smallint	Unique Identification number of customers
	Return_date	Timestamp	Date and Time rental is due to be returned
	Staff_id	Smallint	Unique Identification number of staff members
	Payment_date	Timestamp	Date and Time payment was made

Links To:

Table	Join	Description
Customer	**Rental**.customer_id = customer_customer_id	FK_rental_customer_customer_id
Staff	**Rental**.staff_id = staff.staff_id	FK_rental_staff_staff_id

Links From:

Table	Join	Description
Payment	payment.rental_id = **Payment**.rental_id	FK_payment_rental_rental_id

2.14 Table: Staff

Columns:

Key	Name	Data Type	Description
🔑	Staff_id	(PK) Integer	Unique Identification number of staff member
	First_name	Varchar(45)	First name of staff member
	Last_name	Varchar(45)	Last name of staff member
	Address_id	Smallint	Unique identification number for staff address
	email	Varchar(50)	Email address of staff member
	Store_id	Smallint	Unique Identification number of stores
	Active	boolean	Is the staff member active?
	Username	Varchar(16)	System username of staff member
	Password	Varchar(40)	System password of staff member
	Last_update	Timestamp	Date and time the record was last updated
	Picture	bytea	Staff photo stored in system?

Links To:

Table	Join	Description
Address	**Staff.**address_id = address.address_id	FK_staff_address_address_id

Links From:

Table	Join	Description
Store	store.store_id = **Staff**.store_id	FK_store_staff_store_id
Rental	Rental.staff_id = **Staff**.staff_id	FK_rental_staff_staff_id
Payment	Payment.staff_id = **Staff**.staff_id	FK_paymentl_staff_staff_id

2.15 Table: Store

Columns:

Key	Name	Data Type	Description
🔑	Store_id	Smallint	Unique Identification number of stores
	Manager_staff_id	Smallint	Unique Identification number of managers
	Last_update	Timestamp	Date and time the record was last updated

Links To:

Table	Join	Description
Staff	**Store.**address_id = staff.address_id	FK_store_staff_address_id
Address	**Store.**address_id = address.address_id	FK_store_address_address_id