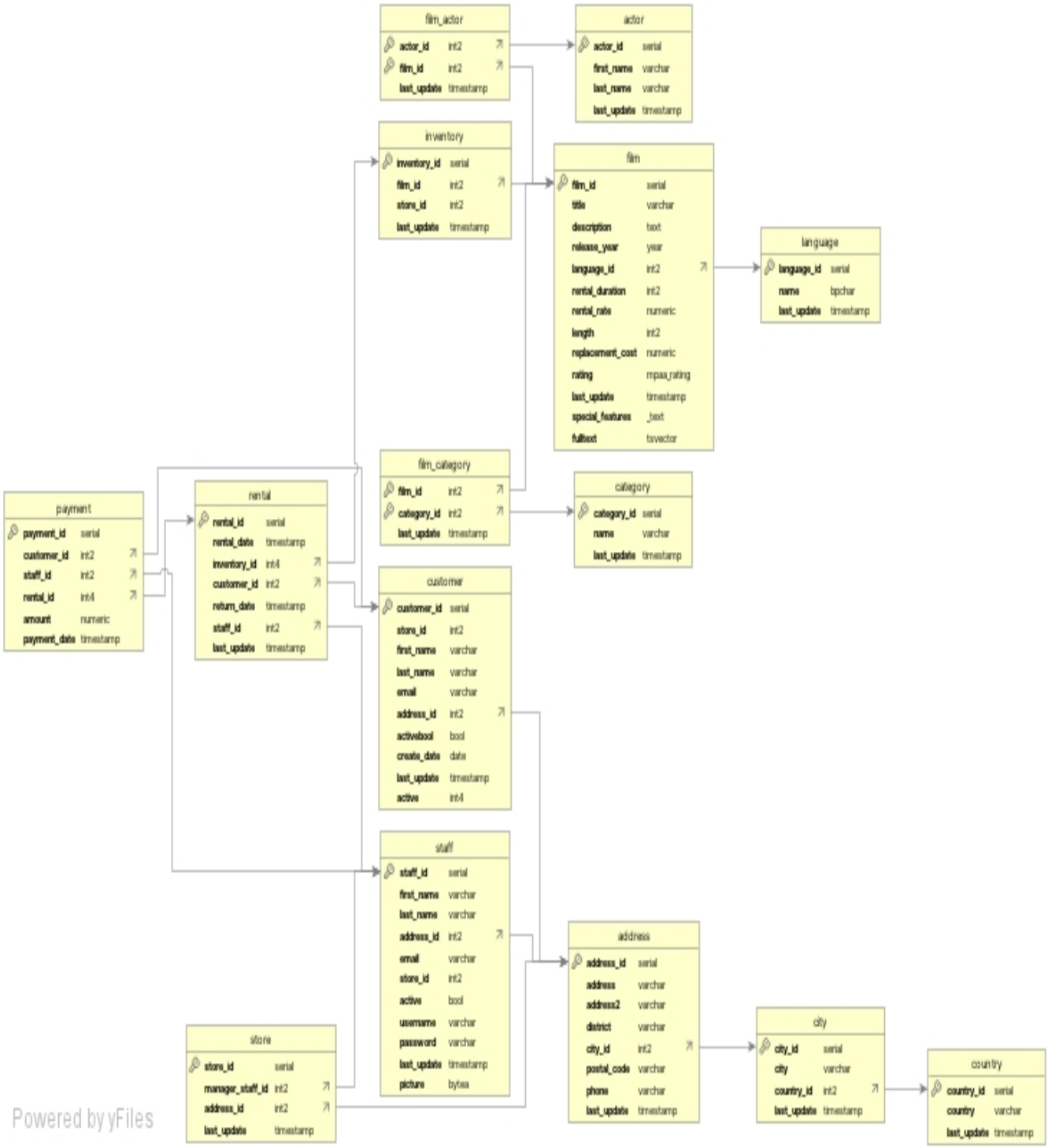
8/4/2025

DATA DICTIONARY

OLUWOLE ONI
ROCKBUSTER STEALTH LLC

Table of contents

Entity Relationship Diagram 2
Fact Tables 3
Payment Table 3
Rental Table 3
Dimensions Table 3
Actor 3
Address 4
Category 4
City 4
Country 5
Customer 5
Film 5
Film Actor 6
Film Category 6
Inventory 6
Language 6
Staff 7
Store 7


film_actor
actor_id int2
film_id int2
last_update timestamp
actor
actor_id serial
first_name varchar
last_name varchar
last_update timestamp
inventory
inventory_id serial
film_id int2
store_id int2
last_update timestamp
film
film_id serial
title varchar
description text
release_year year
language_id int2
rental_duration int2
rental_rate numeric
length int2
replacement_cost numeric
rating mpaa_rating
last_update timestamp
special_features _text
fulltext tsvector
language
language_id serial
name bpchar
last_update timestamp
film_category
film_id int2
category_id int2
last_update timestamp
category
category_id serial
name varchar
last_update timestamp
payment
payment_id serial
customer_id int2
staff_id int2
rental_id int4
amount numeric
payment_date timestamp
rental
rental_id serial
rental_date timestamp
inventory_id int4
customer_id int2
return_date timestamp
staff_id int2
last_update timestamp
customer
customer_id serial
store_id int2
first_name varchar
last_name varchar
email varchar
address_id int2
activebool bool
create_date date
last_update timestamp
active int4
staff
staff_id serial
first_name varchar
last_name varchar
address_id int2
email varchar
store_id int2
active bool
username varchar
password varchar
last_update timestamp
picture bytea
address
address_id serial
address varchar
address2 varchar
district varchar
city_id int2
postal_code varchar
phone varchar
last_update timestamp
city
city_id serial
city varchar
country_id int2
last_update timestamp
country
country_id serial
country varchar
last_update timestamp
store
store_id serial
manager_staff_id int2
address_id int2
last_update timestamp
Powered by yFiles

FACT TABLES

RENTAL TABLE

Columns	Data Type	Description	Key Relationship/links
rental_id	serial	Unique ID for each rental transaction	Primary Key/ link from payment.rental_id
rental_date	timestamp	Date and time when the rental occurred	None
inventory_id	int	ID of the inventory item being rented	Link to inventory. inventory_id
customer_id	int	ID of the customer who made the rental	link to customer. Customer_id/ link from payment. Customer_id
return_date	timestamp	Date and time when the item was returned	None
staff_id	int	ID of the staff who processed the rental	Link to staff.staff_id/ link from payment.staff_id
last_update	timestamp	Timestamp of the last update to the record	None

PAYMENT TABLE

Columns	Data Type	Description	Key Relationship/links
payment_id	serial	Unique ID for each payment transaction	Primary key
customer_id	int	ID of the customer who made the payment	Link to customer.customer_id
staff_id	int	ID of the staff who accepted the payment	Link to staff.staff_id
rental_id	int	ID of the rental associated with the payment	Link to rental.rental_id
amount	numeric (5,2)	Amount paid by the customer	None
payment_date	timestamp	Date and time when the payment was made	None

DIMENSION TABLES

ACTOR

Columns	Data Type	Description	Key Relationship/links
actor_id	serial	Unique ID for each actor	Primary Key/ link from film_actor.actor_id
first_name	Varchar (45)	Actor's first name	None
last_name	Varchar (45)	Actor's last name	None

last_update	timestamp	Timestamp of last update	None

ADDRESS

Columns	Data Type	Description	Key Relationship/links
address_id	serial	Unique ID for the address	Primary Key/ Link from store.address_id
address	Varchar (50)	Street address	None
address2	Varchar (50)	Additional address info	None
district	Varchar (20)	District or region	None
city_id	int	City where the address is located	Link to city.city_id
postal_code	Varchar (10)	ZIP or postal code	None
phone	Varchar (20)	Contact phone number	None
last_update	timestamp	Timestamp of the last update	None

CATEGORY

Columns	Data Type	Description	Key Relationship/links
category_id	serial	Unique ID for each category	Primary Key/ link from film_category.category_id
name	Varchar (25)	Name of the film category (e.g., Action, Comedy)	None
last_update	timestamp	Timestamp of last update	None

CITY

Columns	Data Type	Description	Key Relationship/links
city_id	serial	Unique ID for the city	Primary key/ Link from address.city_id
city	Varchar (50)	Name of the city	None
country_id	int	Foreign key to the country	Link to country.country_id
last_update	timestamp	Timestamp of the last update	None

COUNTRY

Columns	Data Type	Description	Key Relationship/links
country_id	serial	Unique ID for the country	Primary Key/ link from city.country_id
country	Varchar (50)	Name of the country	None
last_update	timestamp	Timestamp of the last update	None

CUSTOMER

Columns	Data Type	Description	Key Relationship/links
Customer_id	serial	Unique ID for each customer	Primary key/ link from rental.customer_id, payment.customer_id
store_id	int	Store ID associated with the customer	Foreign key
first_name	Varchar (45)	Customer's first name	None
last_name	Varchar (45)	Customer's last name	None
email	Varchar (50)	Customer's email address	None
address_id	int	ID linking to the customer's address	Link to address.customer_id
activebool	boolean	Indicates if the customer account is active	None
create_date	date	Date when the customer record was created	None
last_update	timestamp	Timestamp of the last update to the customer	None
active	int	Numeric status of customer activity	None

FILM

Columns	Data Type	Description	Key Relationship/links
film_id	serial	Unique ID for each film	Primary Key/ link from inventory.film_id
title	Varchar (255)	Title of the film	None
description	text	Description or summary of the film	None

release_year	int2	Year the film was released	None
language_id	int2	Foreign key to the language table	Link to language.language_id
rental_duration	int2	Number of days the film can be rented	None
rental_rate	Numeric (4,2)	Rental rate for the film	None
length	int2	Duration of the film in minutes	None

FILM_ACTOR

Columns	Data Type	Description	Key Relationship/links
actor_id	int2	ID of the actor	Primary Key/ link to actor.actor_id
film_id	int2	ID of the film	Primary Key/ Link to film.film_id
last_update	timestamp	Timestamp of last update	None

FILM_CATEGORY

Columns	Data Type	Description	Key Relationship/links
film_id	int2	ID of the film	Primary Key/ Link to film.film_id
category_id	int2	ID of the category	Primary Key/ Link to category.category_id
last_update	timestamp	Timestamp of last update	None

INVENTORY

Columns	Data Type	Description	Key Relationship/links
inventory_id	serial	Unique ID for each inventory item	Primary Key/ Link from rental.inventory_id
film_id	int2	ID of the film in the inventory	Primary Key/ Link to film.film_id
store_id	int2	ID of the store where the item is located	Foreign Key
last_update	timestamp	Timestamp of the last update to the record	None

LANGUAGE

Columns	Data Type	Description	Key Relationship/links
language_id	serial	Unique ID for the language	Primary Key/ link from film.language_id

name	Bpchar (20)	Name of the language	None
last_update	timestamp	Timestamp of the last update	None

STAFF

Columns	Data Type	Description	Key Relationship/links
staff_id	serial	Unique ID for each staff member	Primary Key/ link from payment.satff_id, rental.staff_id, store.manager_staff_id
first_name	Varchar (45)	Staff member's first name	None
last_name	Varchar (45)	Staff member's last name	None
address_id	int	Address ID of the staff	Link to address.address_id
email	Varchar (50)	Staff member's email address	None
store_id	int	Store ID where the staff works	Foreign Key
active	boolean	Whether the staff member is active	None
username	Varchar (16)	Username used for login	None
password	Varchar (40)	(Encrypted) password for login	None
last_update	timestamp	Timestamp of the last update	None
picture	bytea	Picture of the staff member	None

STORE

Columns	Data Type	Description	Key Relationship/links
store_id	serial	Unique ID for each store	Primary Key /
manager_staff_id	int	Staff ID of the store manager	Link to staff.staff_id
address_id	int	Address of the store	Link to address.address_id
last_update	timestamp	Timestamp of the last update	None