

Rockbuster Stealth

Data Dictionary





Created by: Mercy Tsekiri

Date: 5/30/2022

Entity Relationship Diagram (ERD)

Legend

Primary key	
Foreign key	

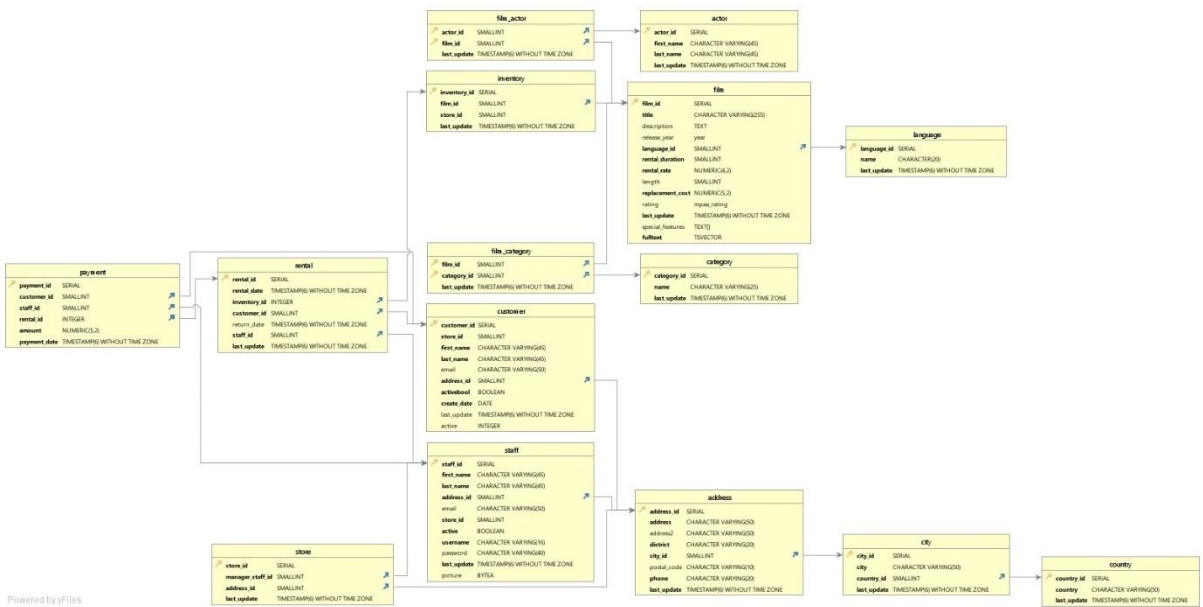






Fig 1. Shows an ERD with a snowflake schema





Fact table

Rental




Columns	Data Type	Description	Key	Link to	Link from
rental_id	SERIAL	identification number for each rental			payment
Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when movie was rented			
Inventory_id	INTEGER	inventory identification number		inventory	
Customer_id	SMALLINT	Customer's identification number		customer	
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when movie was returned			
Staff_id	SMALLINT	staff identification number		staff	
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			

Dimension table





Payment

Columns	Data Type	Description	Key	Links to	Links from
Payment_id	SERIAL	identification number for payment			
Customer_id	SMALLINT	Customer's identification number		customer	
Staff_id	SMALLINT	staff identification number		staff	
rental_id	INTEGER	identification number for each rental		rental	
amount	NUMERIC(3,2)	Amount paid for rental			
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when payment was made			

Store



Columns	Data Type	Description	Key	Links to	Links from
Store_id	SERIAL	store identification number			
Manger_staff_id	SMALLINT	Staff manager identification number		staff	
Address_id	SMALLINT	Identification number of an address		address	
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			

Film_actor





Columns	Data Type	Description	Key	Links to	Links from
Actor_id	SMALLINT	Identification number for each actor	 	actor	
Film_id	SMALLINT	Identification number for each film	 	film	

Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			
-------------	--------------------------------------	-------------------------------------	--	--	--


Inventory

Columns	Data Type	Description	Key	Links to	Links from
Inventory_id	SERIAL	Identification number for each inventory			rental
Film_id	SMALLINT	Identification number for each film		film	
Store_id	SMALLINT	Unique store identification number			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			

Film_category

Columns	Data Type	Description	Key	Links to	Links from
Film_id	SMALLINT	Identification number for each film	 	film	
Category_id	SMALLINT	Identification number for each film category	 	category	
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			

Customer

Columns	Data Type	Description	Key	Links to	Links from
Customer_id	SERIAL	Customer identification number			Rental, payment
Store_id	SMALLINT	store identification number			
First_name	CHARACTER VARYING(45)	Customer's first name			
Last_name	CHARACTER VARYING(45)	Customer's last name			


email	CHARACTER VARYING(45)	Customer's email address			
Address_id	SMALLINT	Customer's address identification number	➡	address	
activebool	BOOLEAN	Customer's account active status			
Create_date	DATE	Date when customer's account was created			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			
active	INTEGER	Customer's account active status			

Staff



Columns	Data Type	Description	Key	Links to	Links from
Staff_id	SERIAL	staff identification number	🔑		
First_name	CHARACTER VARYING(45)	Staff's first name			
Last_name	CHARACTER VARYING(45)	Staff's last name			
Address_id	SMALLINT	Staff's address identification number	➡	address	
email	CHARACTER VARYING(50)	Staff's email address			
Store_id	SMALLINT	store identification number			
active	BOOLEAN	Staff's account active status			
username	CHARACTER VARYING(16)	Username of staff's account			
password	CHARACTER VARYING(40)	Staff's password			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			
pictures	BYTEA	Picture of staff			

Actor


Columns	Data Type	Description	Key	Links to	Links from
---------	-----------	-------------	-----	----------	------------

Actor_id	SERIAL	Identification number for each actor			Film_actor
First_name	CHARACTER VARYING(45)	Actor's first name			
Last_name	CHARACTER VARYING(45)	Actor's last name			
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date when entry was last updated			



Film

Columns	Data Type	Description	Key	Links to	Links from
Film_id	SERIAL	Identification number for each film			Inventory, film_actor, film_category
title	CHARACTER VARYING (255)	The title of the film			
description	TEXT	Description of the film			
Release_year	YEAR	Year when description was released			
Language_id	SMALLINT	Identification number of the language of the film		language	
Rental_duration	SMALLINT	Duration in which the film was rented			
Rental_rate	NUMERIC (42)	rate at which the film was rented			
length	SMALLINT	How long the film is			
Replacement_cost	NUMERIC (52)	Cost of replacing the film			
rating	MPAA_RATING	The rating of the film			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date when entry was last updated			
Special_features	TEXT	Special features of the film			
Full_text	TSVECTOR	Full text of the film			


Category

Columns	Data Type	Description	Key	Links to	Links from
Category_id	SERIAL	Identification number for each category			Film_category
name	CHARACTER VARYING (25)	Name of category			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date when entry was last updated			


Address

Columns	Data Type	Description	Key	Links to	Links from
Address_id	SERIAL	Identification number of an address			Store, staff, customer
Address	CHARACTER VARYING (50)	Street address			
Address2	CHARACTER VARYING (50)	Street address line 2			
district	CHARACTER VARYING (20)	District			
City_id	SMALLINT	Identification number of city			
Postal code	CHARACTER VARYING (20)	Postal			
phone	CHARACTER VARYING (50)	Phone number			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date when entry was last updated			


Language

Columns	Data Type	Description	Key	Links to	Links from
Language_id	SERIAL	Identification number assigned to a language			film
name	CHARACTER (20)	Language name			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date when entry was last updated			

City

Columns	Data Type	Description	Key	Links to	Links from
City_id	SERIAL	Identification number for the city			address
city	CHARACTER VARYING (50)	City			
Country_id	SMALLINT	Identification number assigned to a country			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date when entry was last updated			

Country

Columns	Data Type	Description	Key	Links to	Links from
Country_id	SERIAL	Identification number assigned to a country			city
country	CHARACTER VARYING (50)	Country name			
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date when entry was last updated			