



Rockbuster Stealth Data Dictionary

06.30.22

Ian McQuillen

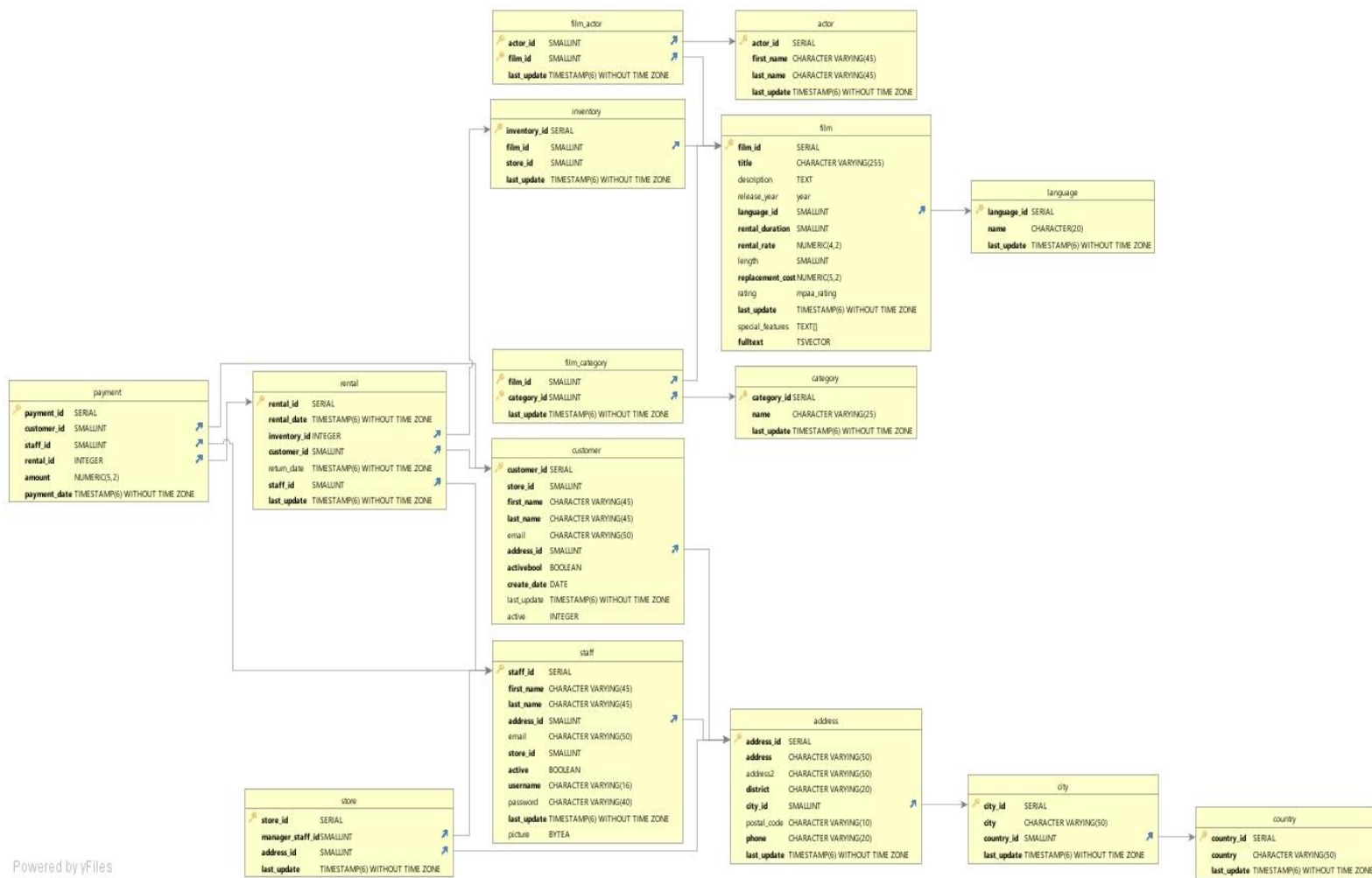
Rockbuster Stealth

Ian.McQuillen@BustSomeRocks.biz

Table of Contents

1 - ERD		Entity Relationship Diagram	2
2 - Fact Tables		Payment	3
		Rental	4
3 - Dimensions	3.1	Actor	4
	3.2	Address	5
	3.3	Category	5
	3.4	City	6
	3.5	Country	6
	3.6	Customer	7
	3.7	Film	8
	3.8	Film Actor	9
	3.9	Film Category	9
	3.10	Inventory	10
	3.11	Language	10
	3.12	Staff	11
	3.13	Store	12

Entity Relationship Diagram



2 - Fact Tables

2.1

Payment					
Column	Data Type	Description	Key	Link To	Links From
payment_id	serial	Key	PK		
customer_id	int2	Key	FK	Customer	
staff_id	int2	Key	FK	Staff	
rental_id	int4	Key	FK	Rental	
amount	numeric	Payment amount (USD)			
payment_date	timestamp	Date/Time of payment			

2.2

Rental					
Column	Data Type	Description	Key	To	From
rental_id	serial	Key	PK		Payment
rental_date	timestamp	Date of Rental			
inventory_id	int4	Key	FK	Inventory	
customer_id	int2	Key	FK	Customer	
return_date	timestamp	Date Returned			
staff_id	int2	Key	FK	Staff	
last_update	timestamp	Last Update to row			

3 - Dimension Tables

3.1

Actor					
Column	Data Type	Description	Key	Links To	Links From
actor_id	serial	Key	PK		Film Actor
first_name	varchar	Name			
last_name	varchar	Name			
last_update	timestamp	Row last updated			

3.2

Address					
Column	Data Type	Description	Key	Link To	Links From
address_id	serial	Key	PK		Store, Staff, Customer
address	varchar	Address			
address2	varchar	Address line 2			
district	varchar	District name			
city_id	int2	Key	FK	City	
postal_code	varchar	postal code			
phone	varchar	phone number			
last_update	timestamp	Row last updated			

3.3

Category					
Column	Data Type	Description	Key	Link To	Links From
category_id	serial	Key	PK		Film Category
name	varchar	Category Name			
last_update	timestamp	Row last updated			

3.4

City					
Column	Data Type	Description	Key	Link To	Links From
city_id	serial	Key	PK		Address
city	varchar	City name			
country_id	int2	Key	FK		Country
last_update	timestamp	Row last updated			

3.5

Country					
Column	Data Type	Description	Key	Link To	Links From
country_id	serial	Key	PK		City
country	varchar	Name			
last_update	timestamp	Row last updated			

3.6

Customer					
Column	Data Type	Description	Key	Link To	Links From
customer_id	serial	Key	PK		Rental, Payment
store_id	int2	Key	FK	Store	
first_name	varchar	First name			
last_name	varchar	Last name			
email	varchar	email address			
address_id	int2	Key	FK	Address	
activebool	bool	True if cust. active			
create_date	date	First entered into db			
last_update	timestamp	Row last updated			
active	int4	1 if cust. Active			

3.7

Film					
Column	Data Type	Description	Key	Link To	Links From
film_id	serial	Key	PK		Inventory, film_category, film_actor
title	varchar	Film title			
description	text	Film description			
release_year	year	Year released			
language_id	int2	Key	FK	Language	
rental_duration	int2	Rental length (days)			
rental_rate	numeric	Price per day of rental			
length	int2	Film length			
replacement_cost	numeric	Cost to replace film			
rating	mpaa_rating	Film rating			
last_update	timestamp	Row last updated			
special_features	_text	Film features			
fulltext	tsvector	Film fulltext			

3.8

Film Actor					
Column	Data Type	Description	Key	Link To	Links From
actor_id	int2	Key	FK	Actor	
film_id	int2	Key	FK	Film	
last_update	timestamp	Row last updated			

3.9

Film Category					
Column	Data Type	Description	Key	Link To	Links From
film_id	int2	Key	FK	Film	
category_id	int2	Key	FK	Category	
last_update	timestamp	Row last updated			

3.10

Inventory					
Column	Data Type	Description	Key	Link To	Links From
inventory_id	serial	Key	PK		Rental
film_id	int2	Key	FK	Film	
store_id	int2	Key	FK	Store	
last_update	timestamp	Row last updated			

3.11

Language					
Column	Data Type	Description	Key	Link To	Links From
language_id	serial	Key	PK		Film
name	bpchar	Language name			
last_update	timestamp	Row last updated			

3.12

Staff					
Column	Data Type	Description	Key	Link To	Links From
staff_id	serial	Key	PK		Store, Rental, Payment
first_name	varchar	First name			
last_name	varchar	Last name			
address_id	int2	Key	FK	Address	
email	varchar	Email address			
store_id	int2	Key	FK	Store	
active	bool	True if active			
username	varchar	Username			
password	varchar	Password			
last_update	timestamp	Row last updated			
picture	bytea	Image data			

3.13

Store					
Column	Data Type	Description	Key	Link To	Links From
store_id	serial	Key	PK		Staff, Inventory, Customer
manager_staff_id	int2	Key	FK	Staff	
address_id	int2	Key	FK	Address	
last_update	timestamp	Row last updated			