ROCKBUSTER STEALTH DATABASE DICTIONARY

RICHARD SPERO

Table of CONTENTS:

Page 3: ERD

Fact Table

Page 4: Rental

Dimension Tables

Page 5: Payment

Page 6: Store

Page 7: Film_Actor

Page 8: Inventory

Page 9: Film_Category

Page 10: Customer

Page 11: Staff

Page 12: Actor

Page 13: Film

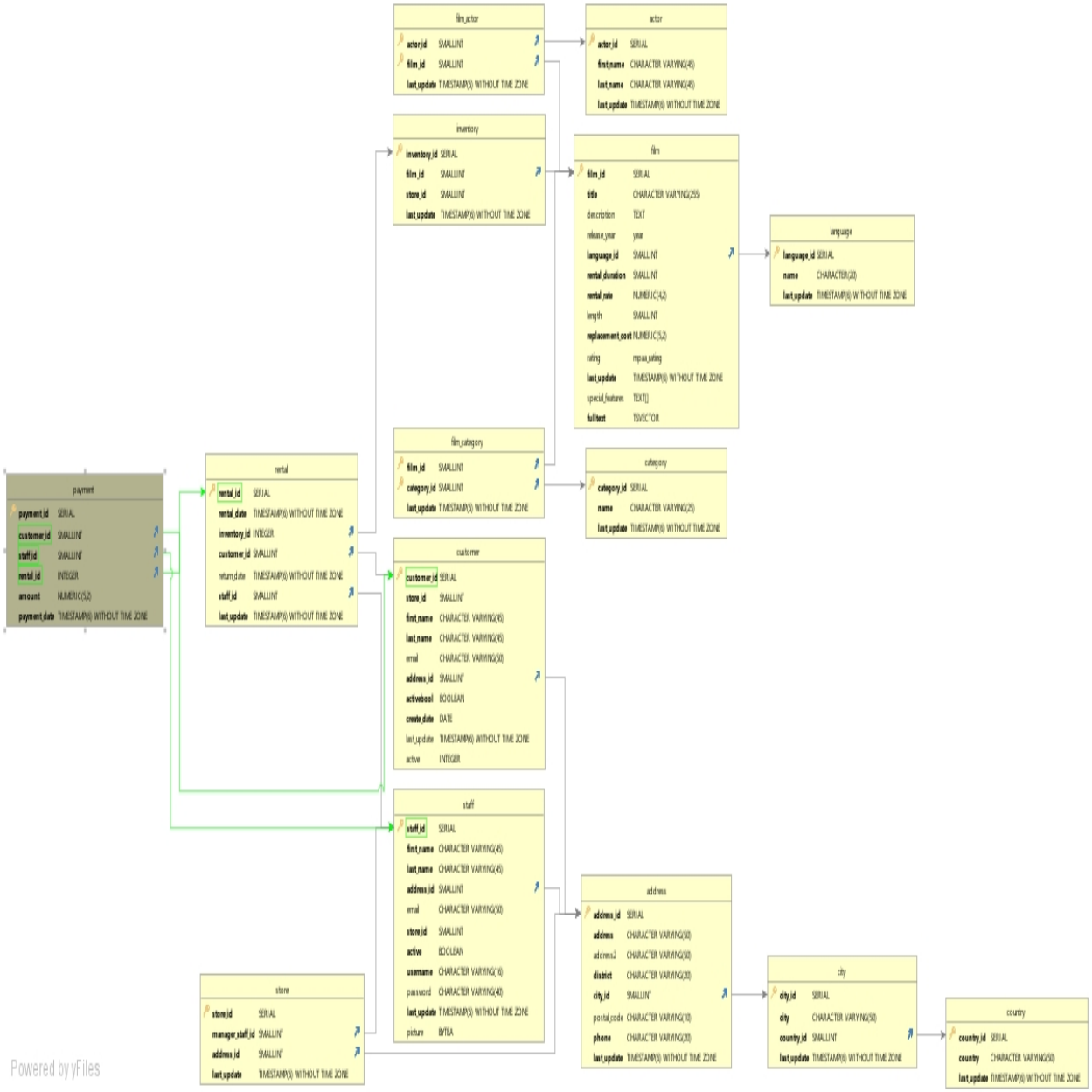
Page 14: Category

Page 15: Address

Page 16: Language

Page 17: City

Page 18: Country


film_actor
actor_id SMALLINT
film_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
actor
actor_id SERIAL
first_name CHARACTER VARYING(45)
last_name CHARACTER VARYING(45)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
inventory
inventory_id SERIAL
film_id SMALLINT
store_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
film
film_id SERIAL
title CHARACTER VARYING(255)
description TEXT
release_year year
language_id SMALLINT
rental_duration SMALLINT
rental_rate NUMERIC(4,2)
length SMALLINT
replacement_cost NUMERIC(5,2)
rating mpaa_rating
last_update TIMESTAMP(6) WITHOUT TIME ZONE
special_features TEXT[]
fulltext TSVECTOR
language
language_id SERIAL
name CHARACTER(20)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
film_category
film_id SMALLINT
category_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
category
category_id SERIAL
name CHARACTER VARYING(25)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
payment
payment_id SERIAL
customer_id SMALLINT
staff_id SMALLINT
rental_id INTEGER
amount NUMERIC(5,2)
payment_date TIMESTAMP(6) WITHOUT TIME ZONE
rental
rental_id SERIAL
rental_date TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id INTEGER
customer_id SMALLINT
return_date TIMESTAMP(6) WITHOUT TIME ZONE
staff_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
customer
customer_id SERIAL
store_id SMALLINT
first_name CHARACTER VARYING(45)
last_name CHARACTER VARYING(45)
email CHARACTER VARYING(50)
address_id SMALLINT
activebool BOOLEAN
create_date DATE
last_update TIMESTAMP(6) WITHOUT TIME ZONE
active INTEGER
staff
staff_id SERIAL
first_name CHARACTER VARYING(45)
last_name CHARACTER VARYING(45)
address_id SMALLINT
email CHARACTER VARYING(50)
store_id SMALLINT
active BOOLEAN
username CHARACTER VARYING(16)
password CHARACTER VARYING(40)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
picture BYTEA
store
store_id SERIAL
manager_staff_id SMALLINT
address_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
address
address_id SERIAL
address CHARACTER VARYING(50)
address2 CHARACTER VARYING(50)
district CHARACTER VARYING(20)
city_id SMALLINT
postal_code CHARACTER VARYING(10)
phone CHARACTER VARYING(20)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
city
city_id SERIAL
city CHARACTER VARYING(50)
country_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
country
country_id SERIAL
country CHARACTER VARYING(50)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
Powered by yFiles

KEY	
Red font	Primary key
Blue font	Foreign Key

Fact Table	Data Type	Description		
Rental				
Column	Data Type	Description	Table it links to	Table it links from
Rental_id	SERIAL	Id number for each individual rent order		Payment
Rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental		
Inventory_id	INTEGER	Iventory id number	inventory	
Customer_id	SMALLINT	Customer id number	customer	
Rentum_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of return		
Staff_id	SAMLLINT	Staff id number who processed rental order	staff	
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Last update of the data entry		

Dimension Table				
Payment				
Column	Data Type	Description	Table it links to	Table it links from
Payment_id	SERIAL	ID number assigned to transaction		
Customer_id	SMALLINT	ID number assigned to customer	Customer	

Staff_id	SMALLINT	ID number assigned to staff member	Staff	
Rental_id	INTEGER	ID number for the individual rental	Rental	
Amount	NUMERIC(5,2)	Amount paid		
Payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment		

Dimension Table				
Store				
Column	Data Type	Description	Table it links to	Table it links from
Store_id	SERIAL	Id number for the store		
Manager_staff_id	SMALLINT	Id number for store manager	Staff	
Address_id	SMALLINT	Id number for store address	Address	
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Film_actor				
Column	Data Type	Description	Table it links to	Table it links from
Actor_id	SMALLINT	ID number for actor in the movie	Actor	
Film_id	SMALIINT	Id number assigned to film	Film	
Lasy_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Inventory				
Column	Data Type	Description	Table it links to	Table it links from
Inventory_id	SERIAL	Id number of the product contained in the rental	Film	Rental
Film_id	SMALLINT	ID number assigned to film		
Store_id	SMALLINT	ID number assigned to store		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Film_category				
Column	Data Type	Description	Table it links to	Table it link from
Film_id	SMALLINT	Id number assigned to film	Film	
Category_id	SMALLINT	ID number for the category of the movie	Category	
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Customer				
Column	Data Type	Description	Table it links to	Table it links from
Customer_id	SERIAL	Customer ID number		Rental
Store_id	SMALLINT	Store ID number		
First_name	CHARACTER VARYING(45)	Customer's first name		
Last_name	CHARACTER VARYING(45)	Customer's last name		
Email	CHARACTER VARYING(50)	Customer's email address		
Address_id	SMALLINT	Customer's address	Address	
Activebool	BOOLEAN	Whether or not customer is active member		
Create_date	DATE	Date membership was created		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Staff				
Columns	Data Type	Description	Table it links to	Table it links from
Staff_id	SERIAL	Staff id number		Payment
First_name	CHARACTER VARYING(45)	Staff's first name		
Last_name	CHARACTER VARYING(45)	Staff's last name		
Address_id	SMALLINT	Staff address	Address	
Email	CHARACTER VARYING(50)	Staff email address		
Store_id	SMALLINT	ID number of store		
Active	BOOLEAN	Whether or not staff member is active employee		
Username	CHARACTER VARYING(16)	Staff username		
Password	CHARACTER VARYING(40)	Staff account password		
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date entry was last updated		
Picture	BYTEA	Staff photo for ID		

Dimension Table				
Actor				
Column	Data Type	Description	Table it links to	Table it links from
Actor_id	SERIAL	ID number for actor in film		Film_actor
First_name	CHARACTER VARYING(45)	First name of actor in film		
Last_name	CHARACTER VARYING(45)	Last name of actor in film		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Film				
Column	Data Type	Description	Table it links to	Table it links from
Film_id	SERIAL	ID number of each film		inventory
Title	CHARACTER VARYING(25)	Film title		
Description	TEXT	Short description of the film story		
Release_year	Year	Year film was released		
Language_id	SMALLINT	ID number for each language	Language	
Rental_duration	SMALLINT	Length of film rental		
Rental_rate	NUMERIC(4,2)	Cost of rental		
Length	SMALLINT	Length of film		
Replacement_cost	NUMERIC(5,2)	Cost to replaced damaged or lost rental		
Rating	Mpaa_rating	Film rating		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		
Special_feature	TEXT	Special feature included in the film		
Fulltext	TSVECTOR	keywords		

Dimension Table				
Category				
Column	Data Type	Description	Table it links to	Table it links from
Category_id	SERIAL	Id number for each film category		Film_category
Name	CHARACTER VARYING(25)	Name of film category		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Address				
Column	Data Type	Description	Table it links to	Table it links from
Address_id	SERIAL	ID number for address		Store
Address	CHARACTER VARYING(50)	Address part 1		
Address2	CHARACTER VARYING(50)	Address part 2		
District	CHARACTER VARYING(50)	District of the address		
City_id	SMALLINT	city in the address	City	
Postal_code	CHARACTER VARYING(10)	Postal code for address		
Phone	CHARCTER(VARYING(20)	Phone number registered to address		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Language				
Column	Data Type	Description	Table it links to	Table it links from
Language_id	SERIAL	ID number for each language		Film
Name	CHARCTER(20)	Language name		
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date entry was last updated		

Dimension Table				
City				
Column	Data Type	Description	Table it links to	Table it links from
City_id	CHARACTER VARYING(50)	ID number for each city		Address
Country_id	SMALLINT	ID number for each country	Country	
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		

Dimension Table				
Country				
Column	Data Type	Description	Table it links to	Table it links from
Country_id	SERIAL	ID number for each country		Country
Country	CHARACTER VARYING(50)	Name of the country		
Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated		