ROCKBUSTER STEALTH LLC

Data Dictionary

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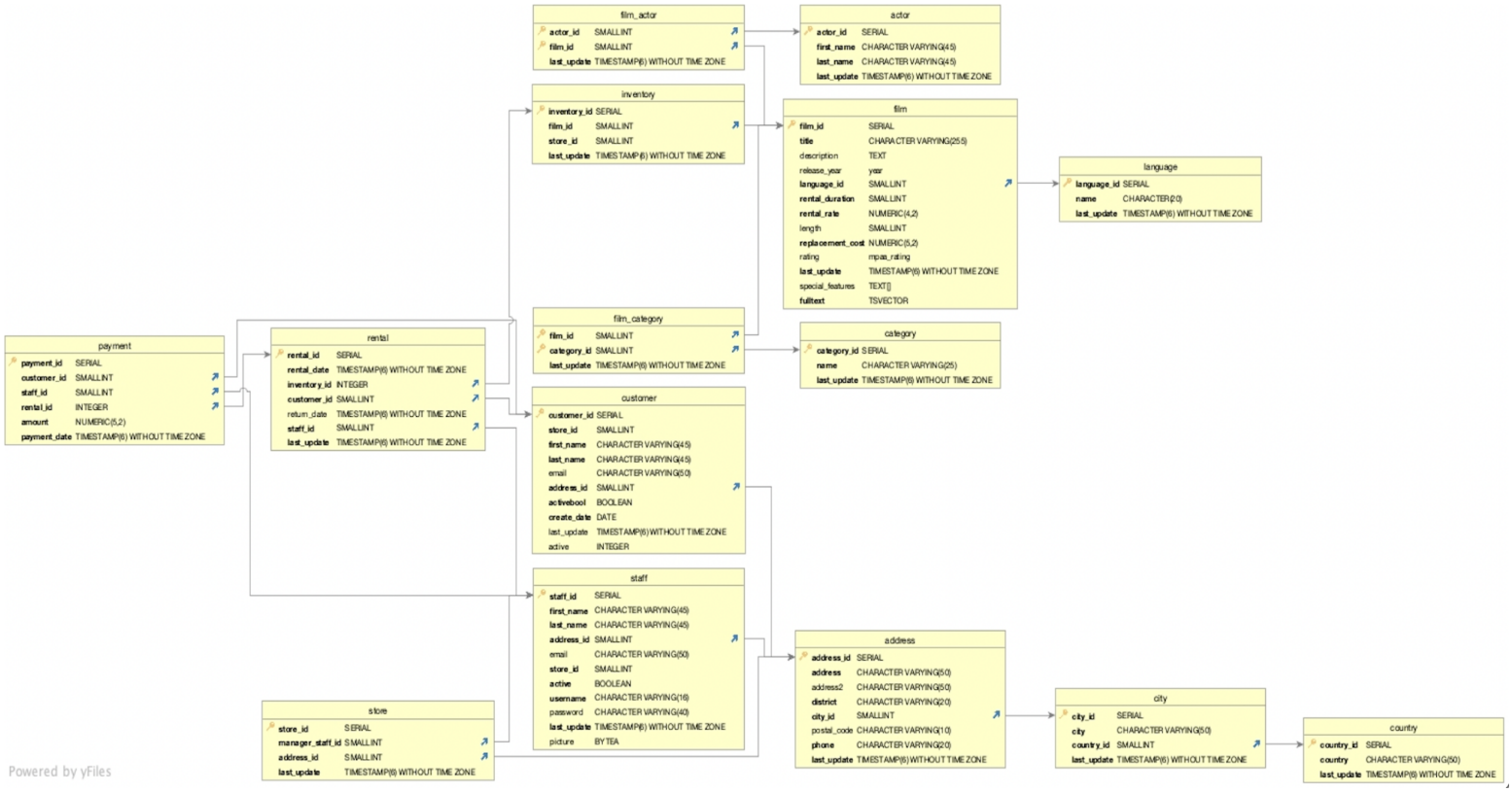
Entity Relationship Diagram



Fact Table

Rental

Column	Data Type	Description	Key
rental_id	SERIAL	# assigned to rental	Primary Key
rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental	
inventory_id	INTEGER	# assigned to item in the table	Foreign Key
customer_id	SMALLINT	# assigned to customer	Foreign Key
return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date the rental was returned	
staff_id	SMALLINT	# assigned to the employee	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date the entry was last updated	

Links to	Join
inventory	rental.inventory_id=inventory.inventory_id
Customer	rental.customer_id=customer.customer_id
Staff	rental.staff_id=staff.staff_id

Links from	Join
payment	rental.rental_id=payment.rental_id

Dimension Tables

Payment

Column	Data Type	Description	Key
payment_id	SERIAL	# assigned to payment	Primary Key

customer_id	SMALLINT	# assigned to customer	Foreign Key
staff_id	SMALLINT	# assigned to employee	Foreign Key
rental_id	INTEGER	# assigned to rental	Foreign Key
amount	NUMERIC (5,2)	amount paid	
Payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date paid for	

Links To	Join
customer	payment.customer_id=customer.customer_id
staff	SMALLINT
rental	SMALLINT

Store

Column	Data Type	Description	Key
store_id	SERIAL	# assigned to store	Primary Key
manager_staff_id	SMALLINT	# assigned to manager	Foreign Key
address_id	SMALLINT	# assigned to store address	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	

Links To	Join
staff	store.manager_staff_id=staff.staff_id
address	store.address_id=address.address_id

Links From	Join
staff	store.manager_staff_id=staff.staff_id
address	store.address_id=address.address_id

Film_actor

Column	Data Type	Description	Key
actor_id	SMALLINT	# assigned to actor	Primary Key
film_id	SMALLINT	# assigned to film	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	

Links To	Join
actor	film_actor.actor_id=actor.actor_id
film	film_actor.film_id=film.film_id

Inventory

Column	Data Type	Description	Key
inventory_id	SERIAL	# assigned to inventory item	Primary Key
film_id	SMALLINT	# assigned to film	Foreign Key
store_id	SMALLINT	# assigned to store	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	

Links To	Join
film	inventory.film_id=film.film_id
store	inventory.store_id=store.store_id

Links From	Join
rental	inventory.inventory_id=rental.inventory_id

Film_category

Column	Data Type	Description	Key
film_id	SMALLINT	# assigned to film	Primary Key
film_category	SMALLINT	# assigned to genre/category	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	

Links To	Join
film	film_category.film.film_id
category	film_category.category_id=category.category_id

Customer

Column	Data Type	Description	Key
customer_id	SERIAL	# assigned to customer	Primary Key
store_id	SMALLINT	# assigned to store	Foreign Key
first_name	CHARACTERVARYING(50)	first name of customer	
last_name	CHARACTERVARYING(45)	last name of customer	
email	CHARACTERVARYING(50)	customer email	Unique Key
address_id	SMALLINT	# assigned to customer's address	Foreign Key
activebool	BOOLEAN	Customer's active status	
create_date	DATE	Date entry was created	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	
active	INTEGER	Customer's active status	

Links To	Join
address	customer.address_id=address.address_id
store	customer.store_id=store.store_id

Links From	Join
payment	customer.customer_id=payment_id
rental	customer.customer_id=rental.customer_id

Staff

Column	Data Type	Description	Key
staff_id	SERIAL	# assigned to employee	Primary Key
first_name	CHARACTERVARYING(45)	first name of employee	
last_name	CHARACTERVARYING(45)	last name of employee	
address_id	SMALLINT	# assigned to employee address	Foreign Key
email	CHARACTERVARYING(50)	employee email address	Unique Key
store_id	SMALLINT	# assigned to store	Foreign Key
active	BOOLEAN	employee active status	
username	CHARACTERVARYING(16)	employee username	Unique
password	CHARACTERVARYING(40)	employee password	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	
picture	BYTEA	employee picture	

Links To	Join
address	staff.address_id=address.address_id
store	staff.store_id=store.store_id

Links From	Join
store	staff.staff_id=store.manager_staff_id
payment	staff.staff_id=payment.staff_id
rental	staff.staff_id=rental.staff_id

Actor

Column	Data Type	Description	Key
actor_id	SERIAL	# given to actor	Primary Key
first_name	CHARACTERVARYING(45)	first name of actor	
last_name	CHARACTERVARYING(45)	last name of actor	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated	

Links From	Join
film_actor	actor.actor_id=film_actor.actor_id

Film

Column	Data Type	Description	Key
film_id	SERIAL	# assigned to film	Primary Key
title	CHARACTERVARYING(45)	title of film	Unique Key
description	TEXT	description of film	Unique Key
release_year	YEAR	year the film was released	
language_id	SMALLINT	# assigned to film language	Foreign Key
rental_duration	SMALLINT	length of film rental	
rental_rate	NUMERIC(4,2)	price of film	

length	SMALLINT	length of film	
replacement_cost	NUMERIC(5,2)	cost to replace film	
rating	MPAA_RATING	film rating	
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date entry was last updated	
special_features	TEXT []	special features included with film	
fulltext	TSVECTOR	keywords associated with film	

Links To	Join
language	film.language_id=language.language_id

Links From	Join
inventory	film.film_id=inventory.inventory_id
film_actor	film.film_id=film_actor.film_id
film_category	film.film_id=film_category.film_id

Category

Column	Data Type	Description	Key
language_id	SERIAL	# assigned to language	Primary Key
name	CHARACTERVARYING(20)	name of language	Unique Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date entry was last updated	

Links From	Join
film_category	category.category-id=film_category.category_id

Address

Column	Data Type	Description	Key
address_id	SERIAL	# assigned to address	Primary Key
address	CHARACTERVARYING(50)	street address	Unique Key
address2	CHARACTERVARYING(50)	supplementary street address	
district	CHARACTERVARYING(20)	district	
city_id	SMALLINT	# assigned to city	Foreign Key
postal_code	CHARACTERVARYING(10)	postal code	
phone	CHARACTERVARYING(20)	phone number	Unique Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date entry was last updated	

Links To	Join
city	address.city_id=city.city_id

Links From	Join
staff	address.address_id=staff.address_id
customer	address.address_id=customer.address_id
store	address.address_id=store.address_id

Language

Column	Data Type	Description	Key
language_id	SERIAL	# assigned to language	Primary Key
name	CHARACTERVARYING(20)	language name	Unique Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date entry was last updated	

Links From	Join
film	language.language_id=film.language_id

City

Column	Data Type	Description	Key
city_id	SERIAL	# assigned to city	Primary Key
city	CHARACTERVARYING(20)	name of city	Unique Key
country_id	SMALLINT	# assigned to country	Foreign Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date entry was last updated	

Links To	Join
country	city.country_id=country.country_id

Links From	Join
address	city.city_id=address.city_id

Country

Column	Data Type	Description	Key

country_id	SERIAL	# assigned to country	Primary Key
country	CHARACTERVARYING(50)	name of country	Unique Key
last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date entry was last updated	

Links From	Join
city	country.country_id=city.country_id