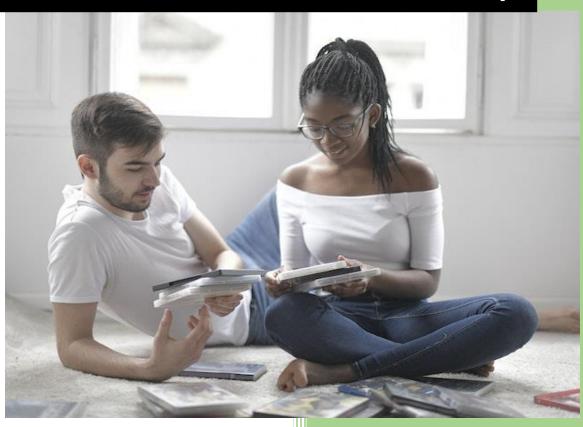
Rockbuster Stealth

Data Dictionary



Late Updated
09 November 2022

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1 Rockbuster Stealth

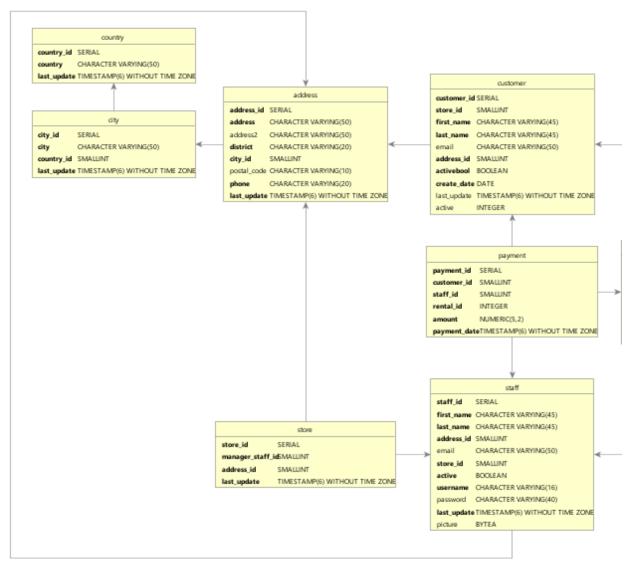
Rockbuster Stealth LLC is a movie rental store that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service to stay competitive.

The Rockbuster database supports standard online processing for rental transactions and film searches.

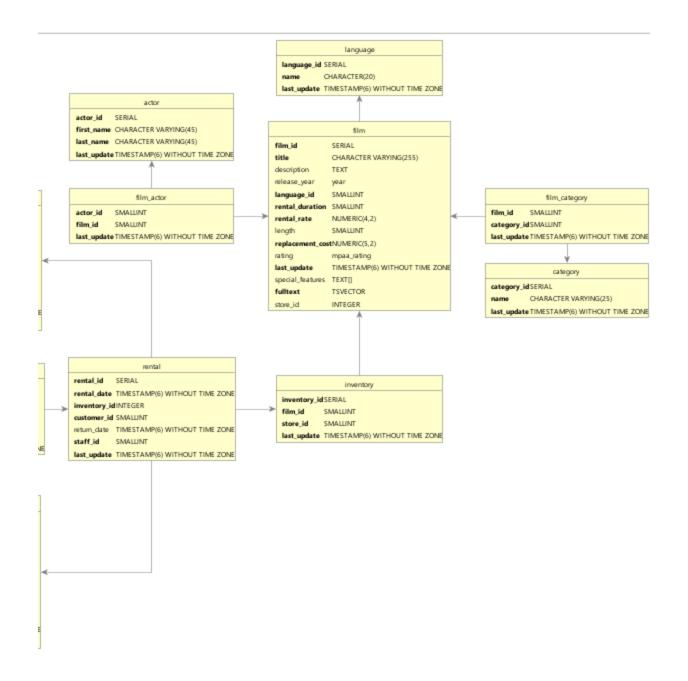
The Rockbuster database can be downloaded here:

Rockbuster Data

2 Entity Relationship Diagram



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3 Legend

- Primary Key
- ₹ Foreign Key

4 Fact Table

4.1 Rental

	Columns	Data Type	Description	Links To
7	rental_id	SERIAL	Unique ID assigned to	payment
Ţ			each rental time	
	rental_date	TIMESTAMP(6)	Date and time item was	
		WITHOUT TIME ZONE	rented out	
	inventory_id	INTEGER	ID assigned for	inventory
·			inventory records	
	customer_id	SMALLINT	Unique customer ID	customer
	return_date	TIMESTAMP(6)	Date and time item was	
		WITHOUT TIME ZONE	returned	
	staff_id	SMALLINT	ID of staff who	staff
			processed rental	
	last_update	TIMESTAMP(6)	Date and time data was	
		WITHOUT TIME ZONE	last updated.	

5 Dimension Tables

5.1 Customer

	Columns	Data Type	Description	Links To
7	customer_id	SERIAL	Unique customer ID	rental, payment
7	store_id	SMALLINT	Unique store ID	store
	first_name	CHARACTER VARYING (45)	Customer first name	
	last_name	CHARACTER VARYING (45)	Customer last name	
	email	CHARACTER VARYING (50)	Customer email address	
	address_id	SMALLINT	Customer address ID	address
	activebool	BOOLEAN	Customer status; active or not (true/false)	
	create_date	DATE	Date customer membership created	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time data was last updated.	
	active	INTERGER	Customer has rental out; yes/no (1/0)	

5.2 Payment

Columns	Data Type	Description	Links To
payment_id	SERIAL	Transaction ID	
customer_id	SMALLINT	Unique customer ID	customer
staff_id	SMALLINT	ID of staff who	staff
		processed transaction	
rental_id	INTERGER	Unique ID of rental item	rental
amount	NUMERIC[5,2]	Amount paid by	
		customer	
payment_date	TIMESTAMP(6)	Date and time of	
	WITHOUT TIME ZONE	payment	

5.3 Store

Columns	Data Type	Description	Links To
store_id	SERIAL	Store ID	
manager_staff_id	SMALLINT	ID of store manager	staff
address_id	SMALLINT	store address ID	address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	

5.4 Staff

	Columns	Data Type	Description	Links To
7	staff_id	SERIAL	Unique staff ID	payment, rental
	first_name	CHARACTER VARYING (45)	Staff first name	
	last_name	CHARACTER VARYING (45)	Staff last name	
	address_id	SMALLINT	Unique address ID	address
	email	CHARACTER VARYING (50)	Staff email address	
	store_id	SMALLINT	Store ID	store
	active	BOOLEAN	Staff member active status (true/false)	
	username	CHARACTER VARYING(16)	Staff login username	
	password	CHARACTER VARYING(40)	Staff login password	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	
	picture	BYTEA	Staff photo	

5.5 Address

	Columns	Data Type	Description	Links To
7	address_id	SERIAL	Unique address ID	staff, customer
	address	CHARACTER	Actual address	
		VARYING(50)		
	address 2	CHARACTER	Additional address info	
		VARYING(50)	(ie Apartment number)	
	district	CHARACTER VARYING	State, province, or	
		(20)	equivalent	
	city_id	SMALLINT	Unique city ID	city
	postal_code	CHARACTER	Postal code	
		VARYING(10)		
	phone	CHARACTER	Phone number	
		VARYING(20)		
	last_update	TIMESTAMP(6)	Date and time entry	
		WITHOUT TIME ZONE	last updated	

5.6 City

	Columns	Data Type	Description	Links To
7	city_id	SERIAL	Unique city ID	address
	city	CHARACTER	City name	
		VARYING(50)		
	country_id	SMALLINT	Unique country ID	country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	

5.7 Country

	Columns	Data Type	Description	Links To
7	country_id	SERIAL	Unique country ID	city
	country	CHARACTER VARYING(50)	Country name	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	

5.8 Inventory

	Columns	Data Type	Description	Links To
7	inventory_id	SERIAL	ID assigned for	rental
			inventory records	
	film_id	SMALLINT	Unique ID assigned to	film
			each movie	
	store_id	SMALLINT	Store ID	store
	last_update	TIMESTAMP(6)	Date and time entry	
		WITHOUT TIME ZONE	last updated	

5.9 Film

	Columns	Data Type	Description	Links To
7	film_id	SERIAL	Unique film ID	film_actor, category
	title	CHARACTER VARYING(50)	Name of film	
	description	TEXT	Description of film	
	release_year	YEAR	Year film was released	
	language_id	SMALLINT	ID number for movie language	language
	rental_duration	SMALLINT	Days film can be rented out	
	rental_rate	NUMERIC[4,2]	Price of rental	
	length	SMALLINT	Length of movie	
	replacement_cost	SUMERIC[5,2]	Price to replace movie if lost	
	rating	MPAA_RATING	Motion picture association of America parental guide ratings	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	
	special_features	TEXT[]	Special features available on disc	
	fulltext	TSVECTOR	Key words and variants for search functions	

5.10 Language

	Columns	Data Type	Description	Links To
7	language_id	SERIAL	ID number for movie	film
			language	
	name	CHARACTER(20)	Language name	
	last_update	TIMESTAMP(6)	Date and time entry	
		WITHOUT TIME ZONE	last updated	

5.11 Film Actor

	Columns	Data Type	Description	Links To
7	actor_id	SMALLINT	Unique actor ID	actor
	film_id	SMALLINT	Unique film ID	film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	

5.12 Actor

	Columns	Data Type	Description	Links To
7	actor_id	SERIAL	Unique actor ID	film_actor
	first_name	CHARACTER	Actor first name	
		VARYING(45)		
	last_name	CHARACTER	Actor last name	
		VARYING(45)		
	last_update	TIMESTAMPE(6)WITHO	Date and time entry	
		UT TIME ZONE	last updated	

5.13 Film Category

	Columns	Data Type	Description	Links To
7	film_id	SMALLINT	Unique film ID	film, film_actor
	category_id	SMALLINT	Unique category ID	category
	last_update	TIMESTAMP(6)	Date and time entry	
		WITHOUT TIME ZONE	last updated	

5.14 Category

	Columns	Data Type	Description	Links To
7	category_id	SERIAL	Unique category ID	film_category
	name	CHARACTER VARYING(25)	Category name	
	laste_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time entry last updated	