

# Rockbuster Stealth

## Data Dictionary



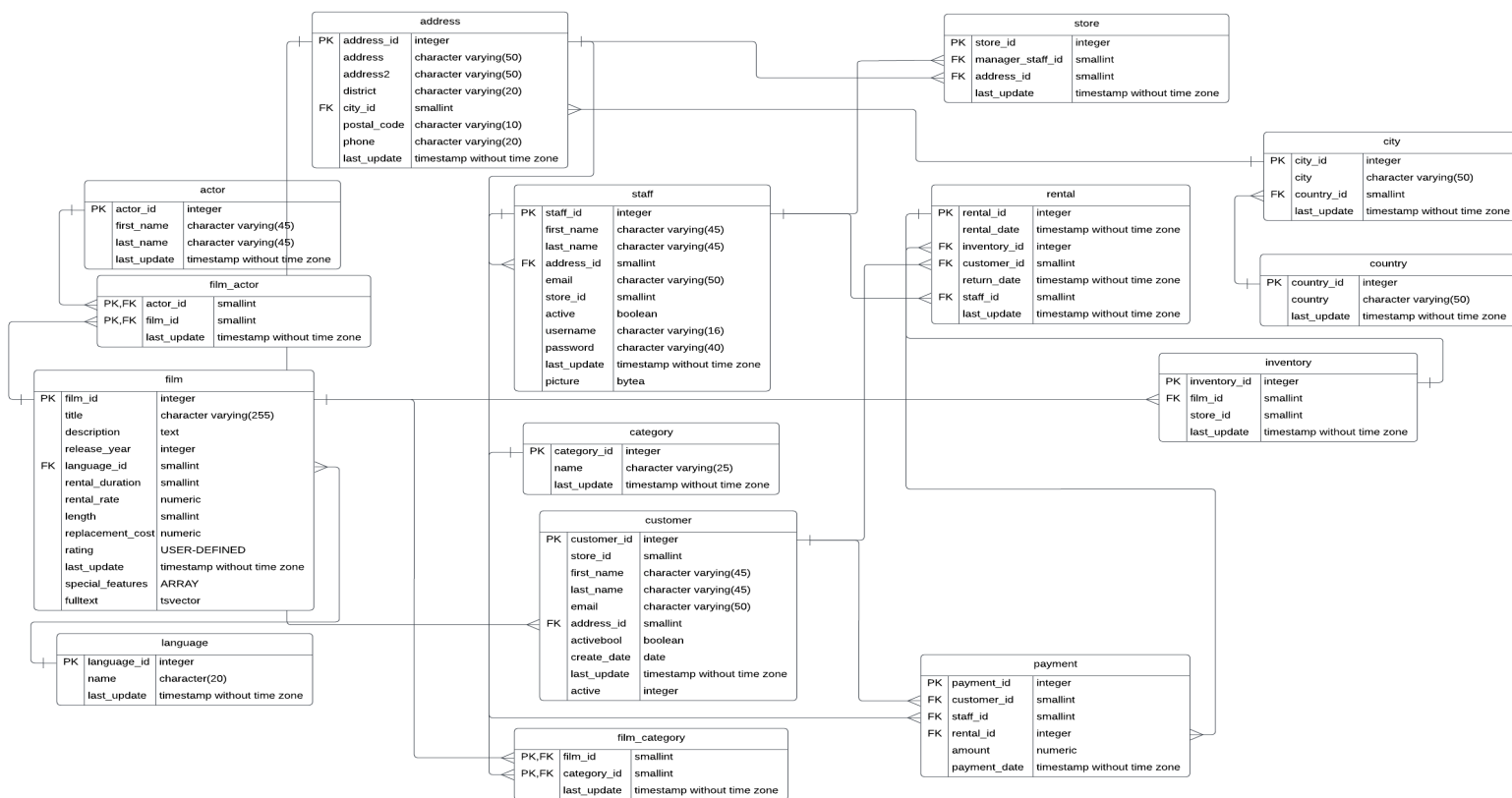
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# Rockbuster Stealth

Rockbuster Stealth LLC is a movie rental company 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 in order to stay competitive.

The data set contains information about Rockbuster's customers, staff members, film inventory, sales data, and locations of people and stores.

## Entity Relationship Diagram





## Key/Legend

🔑 = Unique Primary Key

🔑 = Foreign Key

## Film-Related Data

Film Table:

Keys	Colum	Data Type	Description
	film_id	integer	Unique film ID
	title	character varying(255)	Film title name
	description	text	Film full description
	release_year	year	Year of film release
	language_id	smallint	Unique language ID
	rental_duration	smallint	Average rental duration of the film
	rental_rate	numeric(4,2)	Rental usage rate
	length	smallint	Film length in minutes
	replacement_cost	numeric(5,2)	Price of film replacement
	rating	mpaa_rating	Film mpaa rating
	last_update	timestamp(6) without time zone	Date and time of last update
	Special features	text()	Different film features included with film
	fulltext	tsvector	Key description text of film and count of word


Links to:

Table Name	Join
language	film.language_id = language.language_id

Links from:

Table Name	Join
film_actor	film_actor.film_id = film.film_id
film_category	film_category.film_id = film.film_id
inventory	inventory.film_id = film.film_id



## Actor Table:

Keys	Colum	Data Type	Description
	Actor_id	Integer	Unique actor key
	First_name	Character varying (45)	Actors first name with 45 characters limit
	Last_name	Character varying (45)	Actors last name with 45 characters limit
	Last_update	Timestamp without timezone	Time and date of last update

## Links from:

Table Name	Join
film_actor	film_actor.actor_id=actor.actor_id


## Film Actor Table:

Keys	Column	Data Type	Description
	actor_id	smallint	Unique actor ID
	film_id	smallint	Unique film ID
	last_update	Timestamp (6) without timezone	Time and date of last update

## Links to:

Table Name	Join
film	film_actor_id=film.film_id
actor	film_actor.actor_id= actor.actor_id



## Category Table:

Keys	Colum	Data Type	Description
	category_id	integer	Unique category ID
	name	character varying(25)	Name of type of category
	last_update	timestamp(6) without time zone	Date and time of last update

## Links from:

Table Name	Join
film_actor	film_actor.category_id=category.category_id

## Film Category Table:


Keys	Colum	Data Type	Description
	film_id	smallint	Unique film ID
	category_id	smallint	Unique category ID
	last_update	timestamp(6) without time zone	Time and Date of last update

## Links to:

Table Name	Join
film	film.film_id= film_category.film_id
category	category.category_id=film_category.category_id






## Language Table:

Keys	Colum	Data Type	Description
	language_id	serial	Unique language ID
	name	character(20)	Specific language of origin
	last_update	timestamp(6) without time zone	Time and date of last update

## Links to:

Table Name	Join
film	film.language_id=language.language_id

## Inventory Table:

	Colum	Data Type	Description
	inventory_ID	integer	Unique inventory ID
	film_id	smallint	Unique film ID
	store_id	smallint	Unique store ID
	last_update	timestamp(6) without time zone	Time and Date of last update

## Links to:





Table Name	Join
film	film.film_id=inventory.film_id
store	Store.store_id=inventory.store_id

## Links from:

Table Name	Join
rental	rental.inventory_id=inventory.inventory_id

# Transactions





## Payment Table

	Columns	Data Type	Description
	payment_id	serial	Primary Key for Payment Record
	customer_id	smallint	Unique Customer ID number
	staff_id	smallint	Unique staff identifier
	rental_id	integer	Unique rental identifier
	amount	numeric(5,2)	Price of payment
	payment_date	timestamp(6) without time zone	Year, day, month, and time of payment

### Links to:

Table Name	Join
customer	customer.customer_id=payment.customer_id
staff	staff.staff_id=payment.staff_id
rental	rental.staff_id=payment.staff_id

## Rental Table

	Colum	Data Type	Description
	rental_id	integer	Unique ID number used for primary key for rentals.
	rental_date	timestamp(6) without time zone	Date and time of rental
	inventory_id	integer	Unique inventory ID
	customer_id	smallint	Unique customer ID
	return_date	timestamp(6) without time zone	Date of latest to return product.
	staff_id	smallint	Unique Staff ID
	last_update	timestamp(6) without time zone	Date and time of last update of product status

### Links to:



Table Name	Join
inventory	Inventory.inventory_id=rental.inventory_id
customer	customer.customer_id=rental.customer_id
staff	staff.staff_id=rental.staff_id

### Links from:

Table Name	Join
payment	payment.rental_id=rental.rental_id

## Location

### Address table

	Colum	Data Type	Description
	Address_id	integer	Unique address key
	Address	character varying (50)	Full address
	Address2	character varying (50)	Full backup address
	District	character varying (20)	District of
	City_id	smallint	Unique city key
	Postal_code	character varying (10)	Postal code 10 digits limit
	Phone	character varying (20)	Phonenumber
	Last_update	timestamp without timezone	Time and date of last update



### Links to:

Table Name	Join
city	city.city_id=address.city_id

### Links from:

Table Name	Join
customer	customer.address_id=address.address_id
staff	staff.address_id=address.address_id
store	store.address_id=address.address_id

## City Table

	Colum	Data Type	Description
	city	serial	Full name of city
	city_id	character varying(50)	Unique city ID
	Country_id	smallint	Unique country ID
	last_update	timestamp(6) without time zone	Time and date of last update


### Links to:

Table Name	Join
country	country.country_id=city.country_id

### Links from:

Table Name	Join
address	Address.city_id=city.city_id

## Country Table



	Colum	Data Type	Description
	country_id	serial	Unique country ID
	country	character varying(50)	Full name of country
	last_update	timestamp(6) without time zone	Time and date of last update

### Links from:

Table Name	Join
city	city.country_id=counry.country_id

## Operational Data

### Customer Table

	Colum	Data Type	Description
	Columns	Data Type	Description
	customer_id	Integer	Unique customer ID
	store_id	smallint	Unique store ID
	first_name	character varying(45)	Customer first name
	last_name	character varying(45)	Customer last name
	email	character varying(50)	Customer Email
	address_id	smallint	Unique address ID
	activebool	boolean	True or False on activity
	create_date	date	Date customer account was created
	last_update	timestamp(6) without time zone	Time and date of last update
	active	integer	1 or 0 to indicate activity

#### Links to:



Table Name	Join
address	adress.address_id=customer.address_id

#### Links from:

Table Name	Join
rental	rental.customer_id=customer.customer_id
payment	payment.customer_id=customer.customer_id



## Staff

	Colum	Data Type	Description
	Staff_id	Integer	Unique staff key
	First_name	Character varying (45)	First name of employee
	Last_name	Character varying (45)	Employees last name with 45 chara
	Address_id	smallint	Unique address key
	email	Character varying (50)	Email of employee
	Store_id	smallint	Unique store key
	Active	boolean	True or false if still active Employee
	Username	Character varying (16)	Employees username
	password	Character varying (40)	Employees password
	Last_update	Timestamp(6) without timezone	Time and date of last update
	Picture	bytea	Binary data of picture




### Links to:

Table Name	Join
address	address.address_id=staff.address_id

### Links from:

Table Name	Join
payment	payment.staff_id=staff.staff_id
rental	Rental.staff_id=staff.staff_id
Store	Store.manager_staff_id=staff.staff_id

## Store

Keys	Columns	Data Type	Description
	Store_id	serial	Unique ID for the store
	Manager_staff_id	smallint	Unique ID for the manager
	Address_id	smallint	Uniqie ID for the store address
	Last_update	Timestamp(6) without timezone	When the information was last updated

Links to:

Table Name	Join
<b>Address</b>	<b>adress.address_id=store.address_id</b>
<b>Staff</b>	<b>Staff.staff_id=store.manager_staff_id</b>