

Rockbuster Stealth LLC

Data Dictionary

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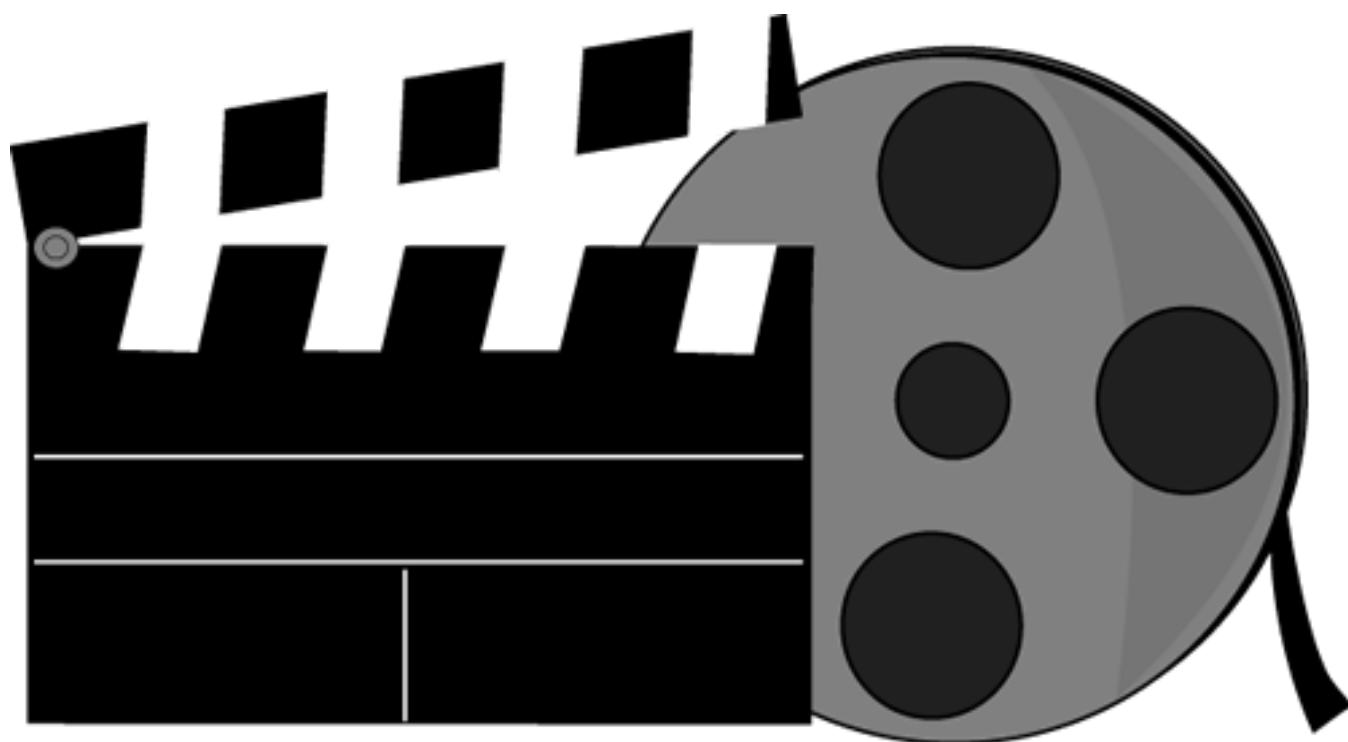
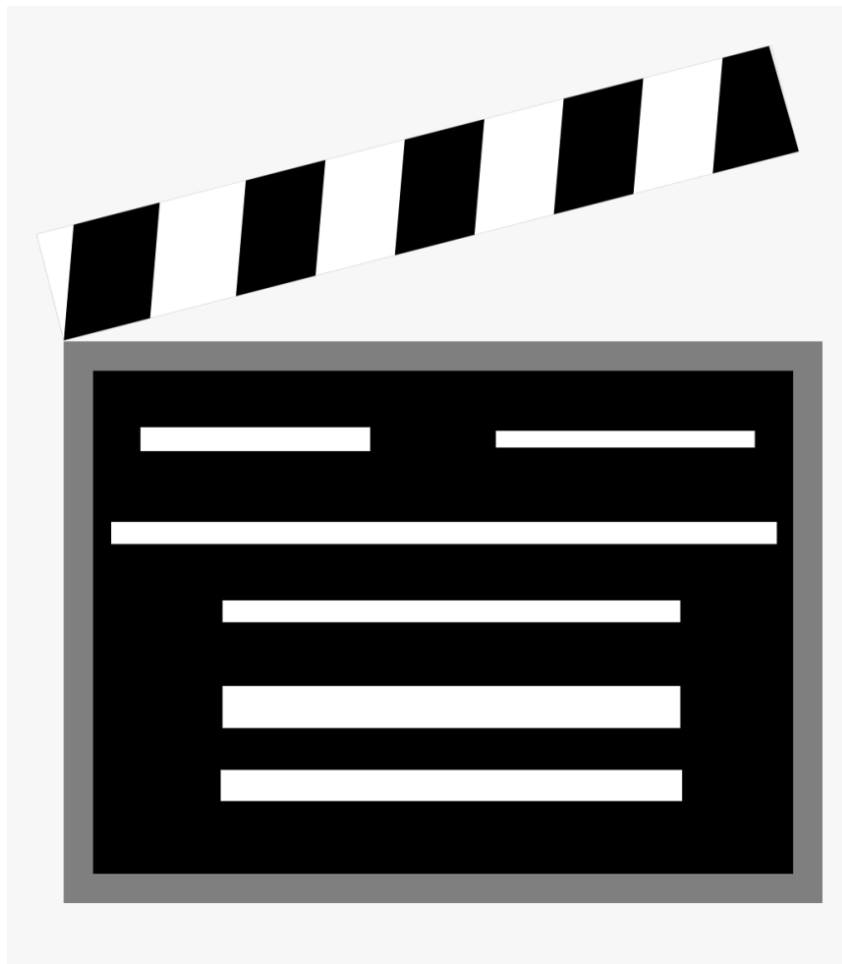


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About Rockbuster Stealth LLC

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.



Entity Relationship Diagram



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This diagram shows all the data tables which were provided for this analysis. This data was cleaned to ensure an accurate analysis.

Column	Data Type	Description
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Primary Key	Foreign Key	
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Links to / Links from:

Table	Join	Description
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Fact Tables

payment

payment_id	SERIAL	Unique ID for payment
customer_id	SMALLINT	Unique ID for customer
staff_id	SMALLINT	Unique ID for staff
rental_id	INTEGER	Unique ID for rental
amount	NUMERIC (5,2)	Amount for payment
payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date payment occurred

Links to:

customer	payment.customer_id = customer.customer_id	Foreign key payment.customer_id references customer.customer_id
staff	payment.staff_id = staff.staff_id	Foreign key payment.staff_id references staff.staff_id
rental	payment.rental_id = rental.rental_id	Foreign key payment.rental_id references rental.rental_id

Links from:

None

rental

rental_id	SERIAL	Unique ID for rental
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inventory_id	INTEGER	Unique ID for inventory
customer_id	SMALLINT	Unique ID for customer
return_id	TIMESTAMP (6) WITHOUT TIME ZONE	Date return occurred
staff_id	SMALLINT	Unique ID for staff
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

inventory	rental.inventory_id = inventory.inventory	Foreign key rental.inventory_id references inventory.inventory_id
customer	rental.customer_id = customer.customer_id	Foreign key rental.customer_id references customer.customer_id
staff	rental.staff_id = staff.staff_id	Foreign key rental.staff_id references staff.staff_id

Links from:

payment	payment.rental_id = rental.rental_id	Foreign key payment.rental_id references rental.rental_id
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Dimension Tables

store

store_id	SERIAL	Unique ID for store
manager_staff_id	SMALLINT	Unique ID for manager
address_id	SMALLINT	Unique ID for address
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

staff	store.manager_staff_id = staff.staff_id	Foreign key store.manager_staff_id references staff.staff_id
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address	store.address_id = address.address_id	Foreign key store.address_id references address.address_id
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Links from:

None

film_actor

actor_id (foreign key as well)	SMALLINT	Unique ID for actor
film_id	SMALLINT	Unique ID for film
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

actor	film_actor.actor_id = actor.actor_id	Foreign key film_actor.actor_id references actor.actor_id
film	film_actor.film_id = film.film_id	Foreign key film_actor.film_id references film.film_id

Links from:

None

inventory

inventory_id	SERIAL	Unique ID for inventory
film_id	SMALLINT	Unique ID for film
store_id	SMALLINT	Unique ID for store
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

film	inventory.film_id = film.film_id	Foreign key inventory.film_id references film.film_id
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Links from:

rental	rental.inventory_id = inventory.inventory_id	Foreign key rental.inventory_id references
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		inventory.inventory_id
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film_category

film_id (foreign key as well)	SMALLINT	Unique ID for film
category_id (foreign key as well)	SMALLINT	Unique ID for film category
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

film	film_category.film_id = film_film_id	Foreign key film_category.film_id references film_film_id
category	film_category.category_id = category.category_id	Foreign key film_category.category_id references category.category_id

Links from:

None

customer

customer_id	SERIAL	Unique ID for customer
store_id	SMALLINT	Unique ID for store
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_id	SMALLINT	Customer's address
activebool	BOOLEAN	Customer's status, active or not
create_date	DATE	Date customer profile was created
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

active	INTEGER	Active status, 0 or 1
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Links to:

address	customer.address_id = address.address_id	Foreign key customer.address_id references address.address_id
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Links from:

rental	rental.customer_id = customer.customer_id	Foreign key rental.customer_id references customer.customer_id
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staff

staff_id	SERIAL	Unique ID for staff
first_name	CHARACTER VARYING (45)	Staff's first name
last_name	CHARACTER VARYING (45)	Staff's last name
address_id	SMALLINT	Staff's address
email	CHARACTER VARYING (50)	Staff's email
store_id	SMALLINT	Unique ID for store
active	BOOLEAN	Staff's status, active or not
username	CHARACTER VARYING (16)	Staff's username
password	CHARACTER VARYING (40)	Staff's password
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated
picture	BYTEA	Staff's picture

Links to:

address	staff.address_id = address.address	Foreign key staff.address_id references address.address_id
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Links from:

payment	payment.staff_id =	Foreign key payment.staff_id
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	staff.staff_id	references staff.staff_id
rental	rental.staff_id = staff.staff_id	Foreign key rental.staff_id references staff.staff_id
store	store.staff_id = staff.staff_id	Foreign key store.staff_id references staff.staff_id

actor

actor_id	SERIAL	Unique ID for actor
first_name	CHARACTER VARYING (45)	Actor's first name
last_name	CHARACTER VARYING (45)	Actor's last name
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

None

Links from:

film_actor	film_actor.actor_id = actor.actor_id	Foreign key film_actor.actor_id references actor.actor_id
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film

film_id	SERIAL	Unique ID for film
title	CHARACTER VARYING (255)	Film's title
description	TEXT	Film's description
release_year	YEAR	Film's release year
language_id	SMALLINT	Film's language
rental_duration	SMALLINT	How long film was rent
rental_rate	NUMERIC (5, 2)	Film's rental rate
length	SMALLINT	Film's length
replacement_cost	NUMERIC (5, 2)	Film's replacement cost
rating	mpaa_rating	Film's rating

last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated
special_features	TEXT[]	Film's special features
fulltext	TSVECTOR	Full text index

Links to:

language	film.language_id = language.language_id	Foreign key film.language_id references language.language_id
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Links from:

film_actor	film_actor.film_id = film.film_id	Foreign key film_actor.film_id references film.film_id
inventory	inventory.film_id = film.film_id	Foreign key inventory.film_id references film.film_id
film_category	film_category.film_id = category.category_id	Foreign key film_category.film_id references category.category_id

category

category_id	SERIAL	Unique ID for category
name	CHARACTER VARYING (25)	Category's name
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

None

Links from:

film_category	film_category.category_id = category.category_id	Foreign key film_category.category_id references category.category_id
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address

address_id	SERIAL	Unique ID for address
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address	CHARACTER VARYING (50)	First line of address
address2	CHARACTER VARYING (50)	Second line of address
district	CHARACTER VARYING (20)	Address' district
city_id	SMALLINT	Unique ID for city
postal_code	CHARACTER VARYING (10)	Address' postal code
phone	CHARACTER VARYING (20)	Address' phone number
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

city	address.city_id = city.city_id	Foreign key address.city_id references city.city_id
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Links from:

store	store.address_id = address.address_id	Foreign key store.address_id references address.address_id
customer	customer.address_id = address.address_id	Foreign key customer.address_id references address.address_id
staff	staff.address_id = address.address_id	Foreign key staff.address_id references address.address_id

language

language_id	SERIAL	Unique ID for language
name	CHARACTER (20)	Language's name
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

None

Links from:

film	film.language_id =	Foreign key film.language_id
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	language.language_id	references language.language_id
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city

city_id	SERIAL	Unique ID for city
city	CHARACTER VARYING (50)	City's name
country_id	SMALLINT	Unique ID for country
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

country	city.city_id = country.city_id	Foreign key city.city_id references country.city_id
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Links from:

address	address.city_id = city.city_id	Foreign key address.city_id references city.city_id
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country

country_id (foreign key as well)	SERIAL	Unique ID for country
country	CHARACTER VARYING (50)	Country's name
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date entry was last updated

Links to:

None

Links from:

city	city.country_id = country.country_id	Foreign key city.country_id references country.country_id
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