

A series of white, thin, overlapping geometric lines and polygons on a black background, located on the left side of the page.

ROCKBUSTER STEALTH

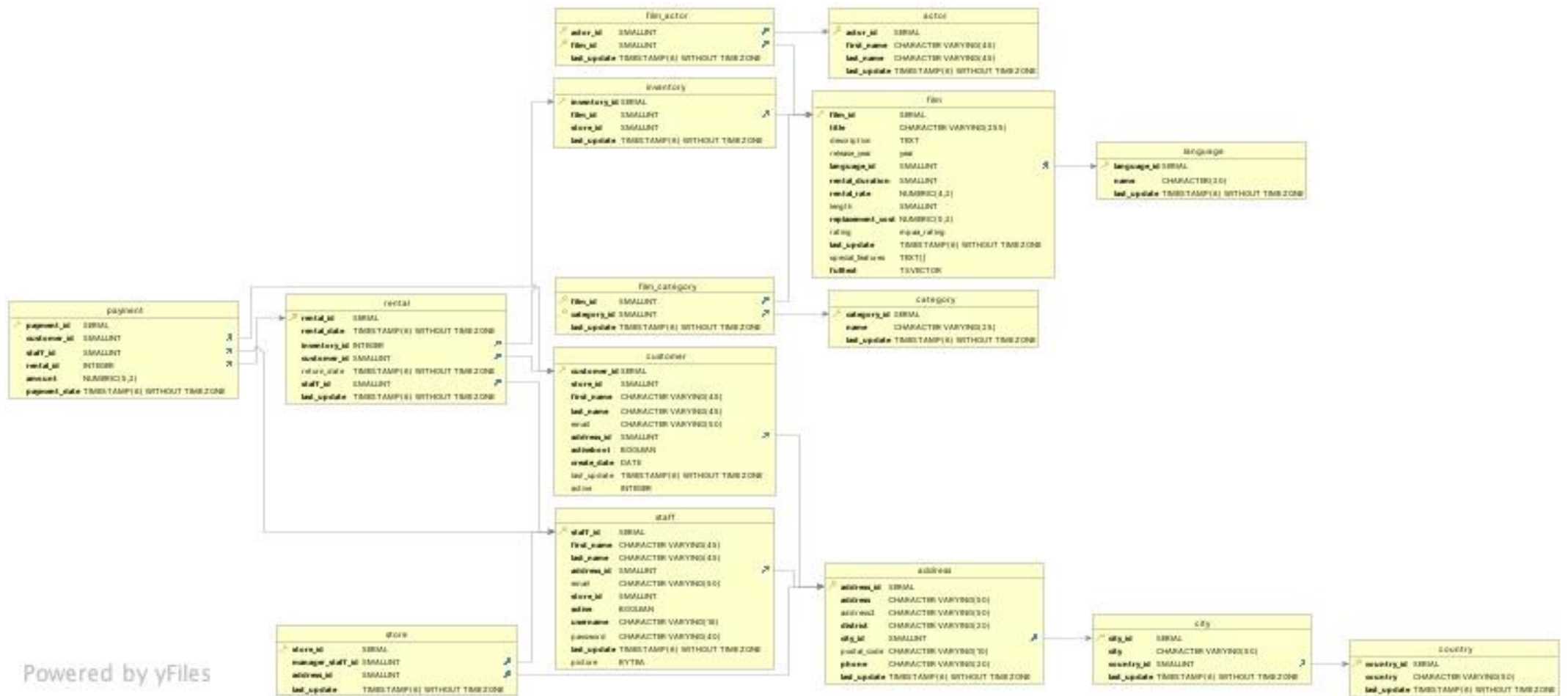
DATA DICTIONARY

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ENTITY RELATIONSHIP CONTENTS

An **entity relationship diagram (ERD)** illustrates the links between the tables in a relational database. Bellow is ERD for Rockbuster Stealth's database.



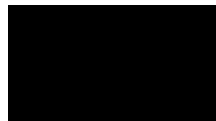
LEGEND



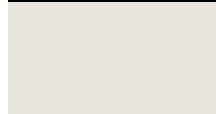
PRIMARY KEY



FOREIGN KEY











FACT TABLES




DIMENSION TABLES



FACT TABLES


RENTAL			
Columns		Data Type	Description
	<i>rental_id</i>	Serial	Unique identification # of a rental, primary key
	<i>rental_date</i>	Timestamp w/o time zone	Date & time of rental
	<i>inventory_id</i>	Integer	Unique identification # of a inventory, foreign key
	<i>customer_id</i>	Smallint	Unique identification # of a customer, foreign key
	<i>return_date</i>	Timestamp w/o time zone	Date & time of return
	<i>staff_id</i>	Smallint	Unique identification # of a staff, foreign key
	<i>last_update</i>	Timestamp w/o time zone	Date & time of last update

PAYMENT			
Columns		Data Type	Description
	<i>payment_id</i>	Serial	Unique identification # of a payment, primary key
	<i>customer_id</i>	Smallint	Unique identification # of a customer, foreign key
	<i>staff_id</i>	Smallint	Unique identification # of a staff, foreign key
	<i>rental_id</i>	integer	Unique identification # of a rental, foreign key
	<i>amount</i>	Numeric (5,2)	Date & time of return
	<i>payment_date</i>	Timestamp w/o time zone	Date & time of payment



DIMENSION TABLES

ACTOR			
Columns		Data Type	Description
	<i>actor_id</i>	Serial	Unique identification # of an actor, primary key
	<i>first_name</i>	Character varying (45)	Actor's first name
	<i>last_name</i>	Character varying (45)	Actor's last name
	<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update


ADDRESS			
Columns		Data Type	Description
	<i>address_id</i>	Serial	Unique identification # of a rental, primary key
	<i>address</i>	Character varying (50)	Street name and house number
	<i>address 2</i>	Character varying (50)	Street name and house number (column empty)
	<i>district</i>	Character varying (20)	District name
	<i>city_id</i>	Smallint	Foreign key for City ID that connects to the City's table primary key.
	<i>postal_code</i>	Character varying (10)	Numeric code of the district/city
	<i>phone</i>	Character varying (20)	Phone number
	<i>last_update</i>	Timestamp w/o time zone	Date & time of last update

CATEGORY			
Columns		Data Type	Description
	<i>category_id</i>	Serial	Unique identification # of a category, primary key
	<i>first_name</i>	Character varying (25)	Category name
	<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update



CITY			
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Columns	Data Type	Description
 <i>city_id</i>	Serial	Unique identification # of a city, primary key
<i>city</i>	Character varying (50)	City name
 <i>country_id</i>	Smallint	Foreign key for Country ID that connects to the Country's table primary key.
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update



COUNTRY

Columns	Data Type	Description
 <i>country_id</i>	Serial	Unique identification # of a country, primary key
<i>country</i>	Character varying (25)	Category name
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update



CUSTOMER

Columns	Data Type	Description
 <i>customer_id</i>	Serial	Unique identification # of a rental, primary key
<i>store_id</i>	Smallint	Unique identification # of a store
<i>first_name</i>	Character varying (45)	Customer's first name
<i>last_name</i>	Character varying (45)	Customer's last name
<i>email</i>	Character varying (50)	Customer's email address
 <i>address_id</i>	Smallint	Foreign key for Address ID that connects to the Address's table primary key.
<i>activebool</i>	Boolean	True/false
<i>create_date</i>	Date	Date of creation
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update
<i>active</i>	Integer	0/1



INVENTORY



Columns	Data Type	Description
 <i>inventory_id</i>	Serial	Unique identification # of a inventory, primary key
 <i>film_id</i>	Smallint	Foreign key for Film ID that connects to the Film's table primary key.
<i>store_id</i>	Smallint	Unique identification # of a store
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update

FILM





Columns	Data Type	Description
 <i>film_id</i>	Serial	Unique identification # of a film, primary key
<i>Title</i>	Character varying (255)	Film name
<i>Description</i>	Text	Film description
<i>release_year</i>	Year	Year of release
 <i>language_id</i>	Smallint	Foreign key for Language ID that connects to the Language table primary key.
<i>rental_duration</i>	Smallint	Duration of rental
<i>rental_rate</i>	Numeric (4,2)	Rate of rental
<i>length</i>	Smallint	Length of film
<i>replacement_cost</i>	Numeric (5,2)	Replacement cost of a film
<i>rating</i>	Mpaa_rating	Rating of film
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update
<i>special_features</i>	Text	Spetial features of film
<i>fulltext</i>	Tsvector	Values for full-text search

FILM_ACTOR


Columns	Data Type	Description
  <i>actor_id</i>	Smallint	Unique identification # of actor, primary & foreign key

  <i>film_id</i>	Smallint	Unique identification # of a film, primary & foreign key
<i>last_update</i>	Timestamp w/o time zone	Date & time of last update


FILM_CATEGORY


Columns	Data Type	Description
  <i>film_id</i>	Smallint	Unique identification # of a film, primary & foreign key
  <i>category_id</i>	Smallint	Unique identification # of a category, primary & foreign key
<i>last_update</i>	Timestamp w/o time zone	Date & time of last update




LANGUAGE

Columns	Data Type	Description
 <i>language_id</i>	Serial	Unique identification # of a language, primary key
<i>name</i>	Character varying (20)	Language name
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update

STAFF

Columns	Data Type	Description
 <i>staff_id</i>	Serial	Unique identification # of a staff member, primary key
<i>first_name</i>	Character varying (255)	Staff member name

<i>last_name</i>	Text	Staff member description
 <i>address_id</i>	Year	Year of release
<i>email</i>	Smallint	Foreign key for Address ID that connects to the Address table primary key.
<i>store_id</i>	Smallint	Unique identifitation # of a store
<i>active</i>	Boolean	True/false
<i>username</i>	Character varying (16)	Length of film
<i>password</i>	Character varying (40)	Replacement cost of a film
<i>last_update</i>	Timestamp (6) w/o time zone	Date & time of last update
<i>picture</i>	Bytea	Bitmap

STORE			
Columns		Data Type	Description
 <i>store_id</i>		Serial	Unique identifitation # of a store, primary key
 <i>manager_staf_id</i>		Smallint	Unique identifitation # of a inventory, foreign key
 <i>address_id</i>		Smallint	Unique identifitation # of a inventory, foreign key
<i>last_update</i>		Timestamp w/o time zone	Date & time of last update