

Rockbuster Stealth LLC



DATA DICTIONARY

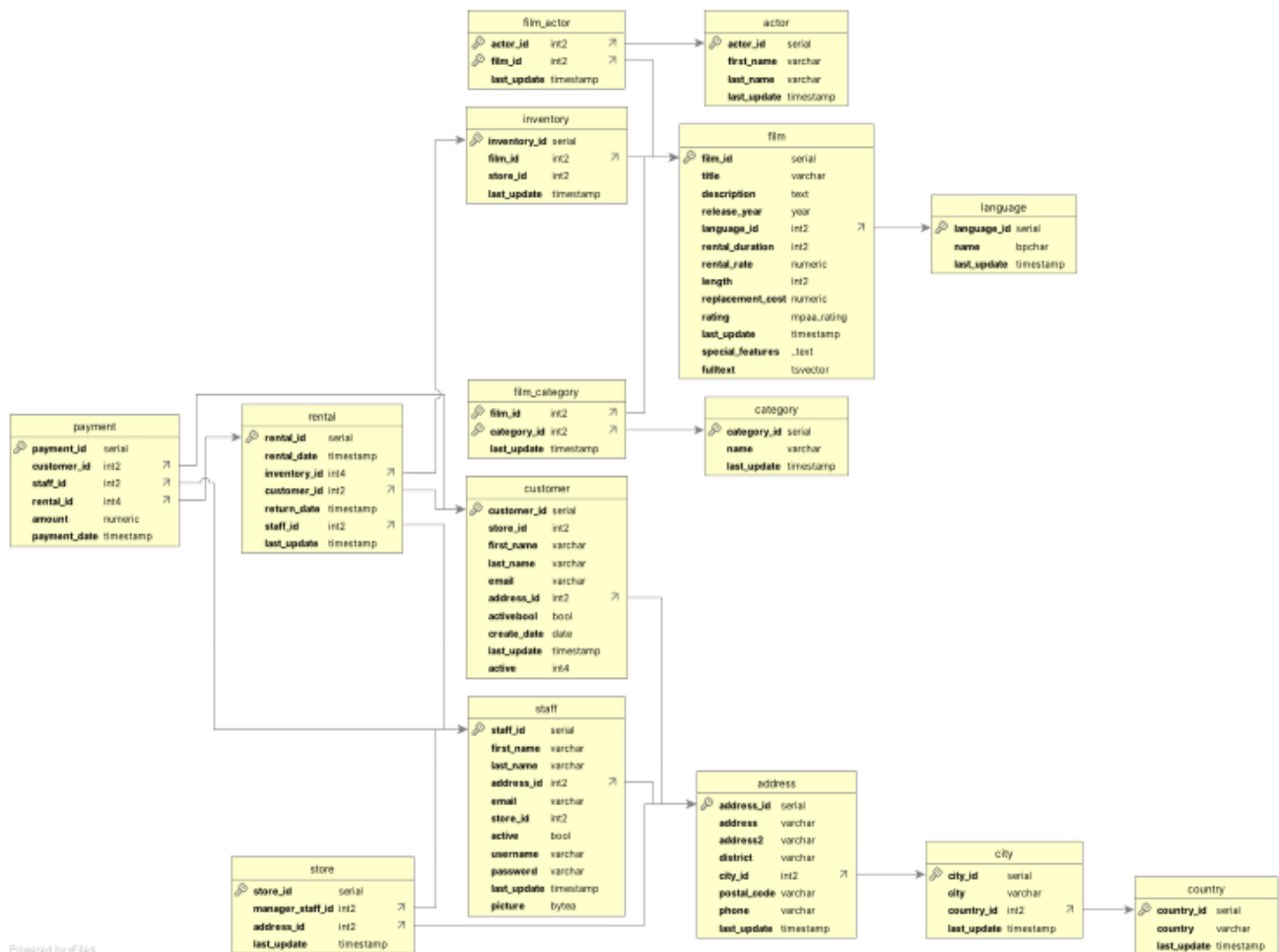
Daria Navrotska

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Entity Relationship Diagram (ERD) of the Rockbuster database



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2. FACT TABLES:

2.1. Payment Table

Information about payment transactions with timestamps of customers.

table_name	column	data type	description	relationship
payment	payment_id	serial	payment id	primary key
payment	customer_id	int2	customer id	foreign key to link to the customer table
payment	staff_id	int2	staff id	foreign key to link to the staff table
payment	rental_id	int4	rental id	foreign key to link to the rental table
payment	amount	numeric	amount of payment	value of the payment received by the customer
payment	payment_date	timestamp	date/time of last update	date/time payment was received

2.1. Rental Table

Rental information and transactions with timestamps of customers.

Table_name	column	data type	description	relationship
rental	rental_id	serial	rental id	primary key, foreign key in payment table
rental	rental_date	timestamp	date/time of rental date	
rental	inventory_id	int4	inventory id	foreign key
rental	customer_id	int2	customer id	foreign key
rental	return_date	timestamp	date/time of return date	
rental	staff_id	int2	staff id	foreign key

3. DIMENSION TABLES:

3.1. Actor table

First and last names of actors

table_name	column	data type	description	relationship
actor	actor_id	serial	actor id	primary key, foreign key in film_actor table
actor	first_name	varchar	first name of actor	
actor	last_name	varchar	last name of actor	
actor	last_update	timestamp	date/time of last update	

3.2. Address table

Address_id, street address, district, postal code, phone numbers of customers.

table_name	column	data type	description	relationship
address	address_id	serial	address id	primary key, foreign key in staff, store, and customer tables
address	address	varchar	street number/name	
address	address2	varchar	null	

address	district	varchar	district, state, region	
address	city_id	int2	city id	foreign key
address	postal_code	varchar	zip code	
address	phone	varchar	phone number	
address	last_update	timestamp	date/time of last update	

3.3. Category table

Genre names

table_name	column	data type	description	relationship
category	category_id	serial	category id	primary key, foreign key in film_category table
category	name	varchar	genre	
category	last_update	timestamp	date/time of last update	

3.4. City table

City names and ID.

table_name	column	data type	description	relationship
city	city_id	serial	city id	primary key, foreign key in adress table
city	city	varchar	name of city	
city	country_id	int2	country id	foreign key
city	last_update	timestamp	date/time of last update	

3.5. Country table

Country names and ID.

table_name	column	data type	description	relationship
country	country_id	serial	country id	primary key, foreign key in city table
country	country	varchar	name of country	
country	last_update	timestamp	date/time of last update	

3.6. Customer table

Information about customers and their active status.

table_name	column	data type	description	relationship
customer	customer_id	serial	customer id	primary key, foreign key in rental and payment tables
customer	store_id	int2	store id	
customer	first_name	varchar	first name of customer	
customer	last_name	varchar	last name of customer	
customer	email	varchar	customer e-mail	
customer	address_id	int2	customer address id	foreign key
customer	activebool	bool	active or inactive customer (yes/no)	
customer	create_date	date	date/time of customer membership	
customer	last_update	timestamp	date/time of last update	
customer	active	int2	binary	

3.7. Film table

Information about film and rentals.

table_name	column	data type	description	relationship
film	film_id	serial	film id	primary key, foreign key in inventory, film_actor, and film_category tables
film	title	varchar	title of film	
film	description	text	description of film	
film	release_year	year	release year of film	
film	language_id	int2	binary	foreign key
film	rental_duration	int2	days of film rented	
film	rental_rate	numeric	cost of film rent	
film	length	int2	length of film (min)	
film	replacement_cost	numeric	replacement cost of film	
film	rating	mpaa_rating	rating of film	
film	last_update	timestamp	date/time of last update	
film	special_features	_text	extras i.e. trailers, behind scenes, deleted scenes	
film	fulltext	tsvector	keywords of film's feature	

3.8. Film_actor table

Information about actor ID and film ID.

table_name	column	data type	description	relationship
film_actor	actor_id	int2	actor id	primary key, foreign key in actor table
film_actor	film_id	int2	film id	foreign key, composite key
film_actor	last_update	timestamp	date/time of last update	

3.9. Film_category table

Information about film ID and category ID.

table_name	column	data type	description	relationship
film_category	film_id	int2	film id	composite key, foreign key
film_category	category_id	int2	category id	composite key, foreign key
film_category	last_update	timestamp	date/time of last update	

3.10. Inventor table

Inventory, store, and film IDs.

table_name	column	data type	description	relationship
inventory	inventory_id	serial	inventory id	primary key, foreign key
inventory	film_id	int2	film id	
inventory	store_id	int2	store id	
inventory	last_update	timestamp	date/time of last update	

3.11. Language table

Information about the language name and IDs.

table_name	column	data type	description	relationship
language	language_id	serial	language id	primary key foreign key
language	name	bpchar	name of language	
language	last_update	timestamp	date/time of last update	

3.12. Staff table

Information about the staff IDs, name, photo, address, email, store_id, username and password.

table_name	column	data type	description	relationship
staff	staff_id	serial	staff id	primary key foreign key
staff	first_name	varchar	first name of staff	
staff	last_name	varchar	last name of staff	
staff	address_id	int2	address id	foreign key
staff	email	varchar	email of staff	
staff	store_id	int2	store id	
staff	active	bool	active or inactive staff (yes/no)	
staff	username	varchar	username of staff	
staff	password	varchar	password	
staff	last_update	timestamp	date/time of last update	
staff	picture	bytea	staff photo	

3.13. Store table

Information about the store IDs, managers, address_id.

table_name	column	data type	description	relationship
store	store_id	serial	store id	primary key, foreign key
store	manager_staff_id	int2	manager staff id	foreign key
store	address_id	int2	address id	foreign key
store	last_update	timestamp	date/time of last update	