

ROCKBUSTER

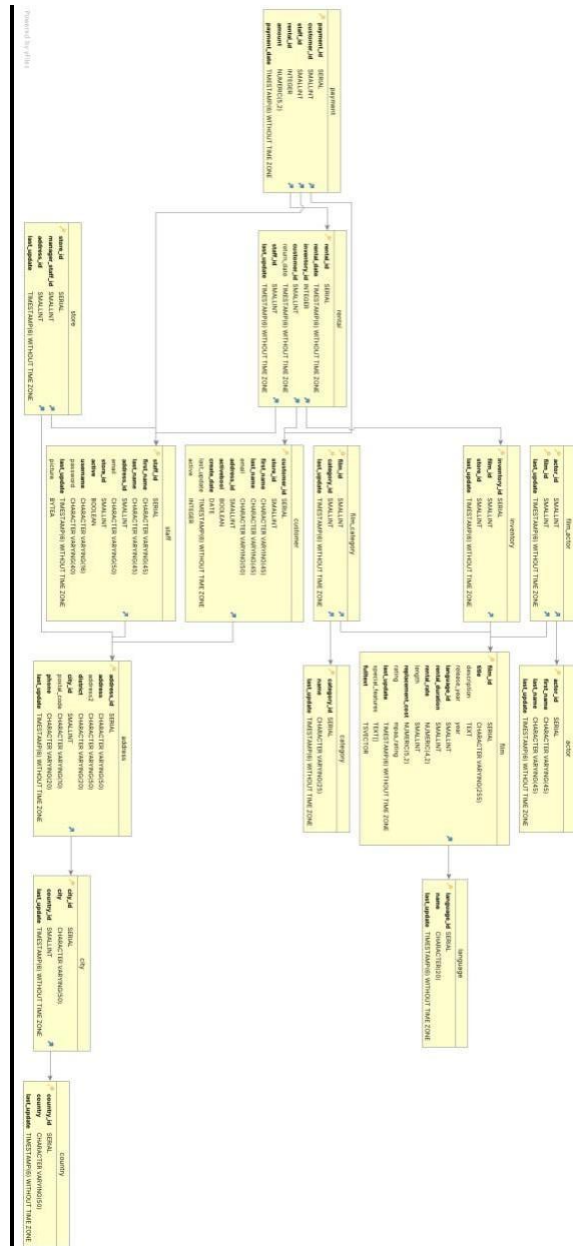
Data Dictionary

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Table of Contents

2	1: Entity Relationship Diagram
3	2: Fact Tables
	2.1: Payment
	2.2: Rental
4	3: Dimension Tables
	3.1: Actor
	3.2: Address
	3.3: Category
	3.4: City 5
	3.5: Country
	3.6: Customer
	3.7: Film
6	3.8: Film_Actor
	3.9: Film_Category
	3.10: Inventory
	3.11: Language
7	3.12: Staff
	3.13: Store

Entity Relationship Diagram



Fact Tables

Payment Table

Columns	Data Type	Description
payment_id (<i>primary key</i>)	serial	payment identifier
customer_id (<i>foreign key</i>)	int2	customer identifier
staff_id (<i>foreign key</i>)	int2	staff identifier
rental_id (<i>foreign key</i>)	int4	rental identifier
amount	numeric	amount paid
payment_date	timestamp	date payment was made

Links to: customer, rental, staff

Rental Table

Columns	Data type	Description
rental_id (<i>primary key</i>)	serial	rental identifier
rental_date	timestamp	date of rental
inventory_id (<i>foreign key</i>)	int4	inventory identifier
customer_id (<i>foreign key</i>)	int2	customer identifier
return_date	timestamp	date of return
staff_id (<i>foreign key</i>)	int2	staff identifier
last_update	timestamp	date of last update

Links to: inventory, customer, staff

Links from: payment

Dimension Tables

Actor

Column	Data Type	Description
actor_id (<i>primary key</i>)	serial	actor identifier
first_name	varchar	first name of actor
last_name	varchar	last name of actor

last_update	timestamp	date of last update
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Links from: film_actor

Address

Column	Data Type	Description
address_id (<i>primary key</i>)	serial	address identifier
address	varchar	line 1 of address
address2	varchar	line 2 of address
district	varchar	district of address
city_id (<i>foreign key</i>)	int2	city identifier
postal_code	varchar	postal code for address
phone	varchar	phone for address
last_update	timestamp	date of last update

Links to: city

Links from: customer, staff, store

Category

Column	Data Type	Description
category_id (<i>primary key</i>)	serial	category identifier
name	varchar	name of category
last_update	timestamp	date of last update

Links from: film_category

City

Column	Data Type	Description
city_id (<i>primary key</i>)	serial	city identifier
city	varchar	city name
country_id (<i>foreign key</i>)	int2	country identifier
last_update	timestamp	date of last update

Links to: country

Links from: address

Country

Column	Data Type	Description
country_id (<i>primary key</i>)	serial	country identifier
country	varchar	name of country
last_update	timestamp	date of last update

Links from: city

Customer

Column	Data Type	Description
customer_id (<i>primary key</i>)	serial	customer identifier
store_id	int2	store identifier
first_name	varchar	first name of customer
last_name	varchar	last name of customer
email	varchar	email of customer
address_id (<i>foreign key</i>)	int2	address identifier
activebool	bool	true or false if customer is active
create_date	date	date customer was added
last_update	timestamp	date of last update
active	int4	1 is if customer is active; 0 if customer is inactive

Links to: address

Links from: payment, rental

Film

Column	Data Type	Description
film_id (<i>primary key</i>)	serial	film identifier
title	varchar	name of film
description	text	description of film
release_year	year	year of film release
language_id (<i>foreign key</i>)	int2	language identifier

rental_duration	int2	duration of rental
rental_rate	numeric	rate for the rental
length	int2	length of rental
replacement_cost	numeric	cost to replace film
rating	mpaa_rating	rating of the film
last_update	timestamp	date of last update
special_features	_text	videos related to film
fulltext	tsvector	strings of text used for searches

Links to: language

Links from: film_actor, inventory, film_category **Film_Actor**

Column	Data Type	Description
actor_id (<i>primary key</i>)	int2	actor identifier
film_id (<i>primary key</i>)	int2	film identifier
last_update_	timestamp	date of last update

Links to: film, actor

Film_Category

Column	Data Type	Description
film_id (<i>primary key</i>)	int2	film identifier
category_id (<i>primary key</i>)	int2	category identifier
last_update	timestamp	date of last update

Links to: film, category

Inventory

Column	Data Type	Description
inventory_id (<i>primary key</i>)	serial	inventory identifier
film_id (<i>foreign key</i>)	int2	film identifier
store_id	int2	store identifier
last_update	timestamp	date of last update

Links to: film

Links from: rental

Language

Column	Data Type	Description
language_id (<i>primary key</i>)	serial	language identifier
name	bpchar	name of language
last_update	timestamp	date of last update

Links from: film

Staff

Column	Data Type	Description
staff_id (<i>primary key</i>)	serial	staff identifier
first_name	varchar	first name of staff
last_name	varchar	last name of staff
address_id (<i>foreign key</i>)	int2	address identifier
email	varchar	email of staff
store_id	int2	store identifier
active	bool	true or false if staff is active
username	varchar	username of staff
password	varchar	password of staff
last_update	timestamp	date of last update
picture	bytea	staff picture

Links to: address

Links from: payment

Store

Column	Data Type	Description
store_id (<i>primary key</i>)	serial	store identifier
manager_staff_id (<i>foreign key</i>)	int2	manger staff identifier
address_id (<i>foreign key</i>)	int2	address identifier

last_update	timestamp	date of last update
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Links to: staff, address