

ROCKBUSTER STEALTH

DATA DiCTIONARY

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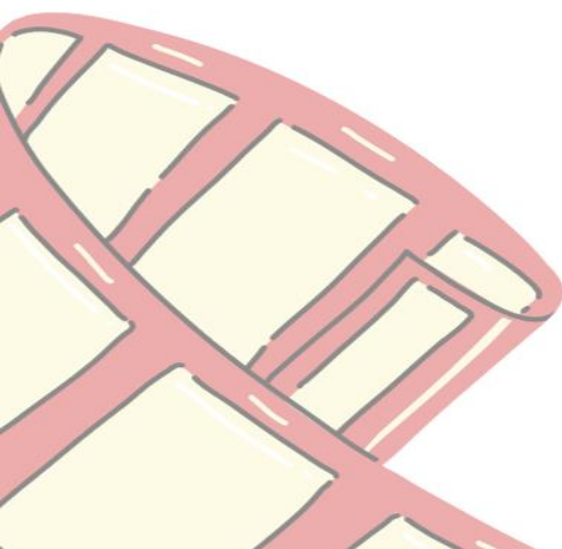
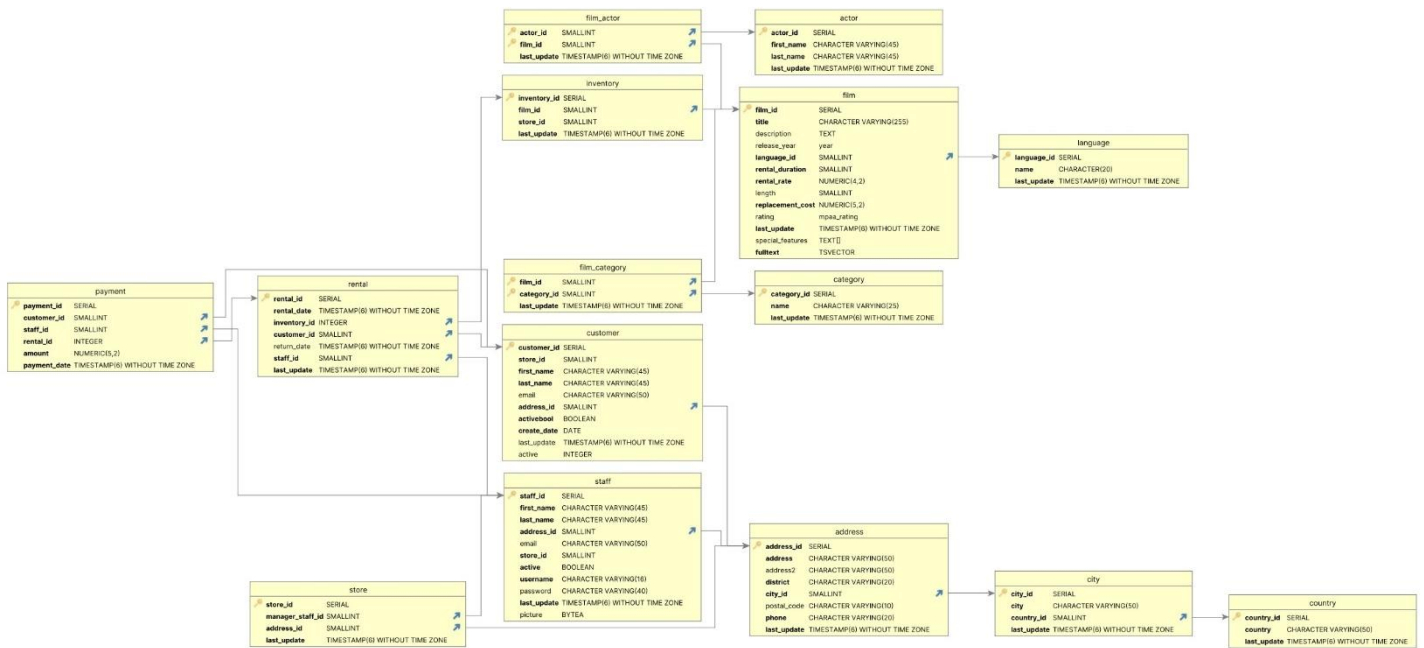


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1. ENTITY RELATIONSHIP DIAGRAM (ERD)



2. Tables





Legend:

 Primary Key

 Foreign Key

2.1.Fact Table:

Payment





	Columns	Data Type	Description
	payment_id	serial	Primary key for payment records
	customer_id	smallint	Unique number id for each customer
	staff_id	smallint	Unique number id for each staff
	rental_id	integer	Unique number id for each rental
	amount	numeric (5,2)	Amount of each payment
	payment_date	timestamp (6) without timezone	date of payment

Links to

Table	Join
Rental	payment.rental_id = rental.rental_id
Customer	payment.customer_id = customer.customer_id
Staff	payment.staff_id = staff.staff_id

2.2.Dimension Tables:

Rental

	Columns	Data Type	Description
	rental_id	serial	Primary key for rental records
	rental_date	timestamp (6) without timezone	Date of each rental
	inventory_id	integer	Unique number of each inventory
	customer_id	smallint	Unique number id for each customer
	return_date	timestamp (6) without timezone	Date when movies being returned
	staff_id	smallint	Unique number id for each staff



Links to

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

Links from

Table	Join
Payment	payment.rental_id = rental.rental_id

Inventory

	Columns	Data Type	Description
	inventory_id	serial	Primary key for each inventory
	film_id	smallint	Unique number id for each movie
	store_id	smallint	Unique number id of each store
	last_update	timestamp (6) without timezone	Date of most recent update


Links to

Table	Join
Film	inventory.film_id = film.film_id

Links from

Table	Join
Rental	rental.inventory_id = inventory-inventory_id

Film_actor

	Columns	Data Type	Description
	actor_id	smallint	Unique number id for each actor
	film_id	smallint	Unique number id for each movie



	last_update	timestamp (6) without timezone	Date of most recent update
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Links to

Table	Join
Actor	film_actor .actor_id = actor.actor_id
Film	film_actor .film_id = film.film_id

Actor

	Columns	Data Type	Description
	actor_id	serial	Primary key for each actor
	first_name	character varying (45)	First name of each actor
	last_name	character varying (45)	Last name of each actor
	last_update	timestamp (6) without timezone	Date of most recent update

Links from

Table	Join
Film_actor	film_actor .actor_id = actor.actor_id


Film_category

	Columns	Data Type	Description
	film_id	serial	Unique number id for each movie
	category_id	smallint	Unique no. for each movie category
	last_update	timestamp (6) without timezone	Date of most recent update

Links to

Table	Join
Film	film_category .film_id = film.film_id
Category	film_category .category_id = category.category_id



Category

	Columns	Data Type	Description
	category_id	serial	Primary key for each category
	name	character varying (25)	name of each category
	last_update	timestamp (6) without timezone	Date of most recent update

Links from

Table	Join
Film_category	film_category .category_id = category.category_id

Film

	Columns	Data Type	Description
	film_id	serial	Primary key for each movie
	title	character varying (255)	Name of each movie
	description	text	Briefly description of each film
	release_year	year	Year of movie's release
	language_id	smallint	Unique no. id for each language
	rental_duration	smallint	Duration of rental
	rental_rate	numeric (4,2)	Rating of rental
	length	smallint	Length of each movie
	replacement_cost	numeric (5,2)	cost of each film's replacement
	rating	mpaa_rating	Rating of the film
	last_update	timestamp (6) without timezone	Date of most recent update
	special_features	text[]	features and other details of the movie
	fulltext	tsvector	Full text of description optimized for text search


Links to

Table	Join
Language	Film .language_id = language.language_id

Links from

Table	Join
Film_actor	Film_actor .film_id = film.film_id
Inventory	Inventory .film_id = film.film_id
Film_category	Film_category .film_id = film.film_id



Language

	Columns	Data Type	Description
	language_id	serial	Primary key of each language
	name	character (20)	Name of each language
	last_update	timestamp (6) without timezone	Date of most recent update

Links from

Table	Join
Film	Film .language_id = language.language_id

Customer

	Columns	Data Type	Description
	customer_id	serial	Primary key of each customer
	store_id	smallint	Unique no. id of each customer
	first_name	character varying (45)	first name of customer
	last_name	character varying (45)	last name of customer
	email	character varying (50)	e-mail address of each customer
	address_id	smallint	address of each customer
	active_bool	boolean	
	create_date	date	date of when the register was created
	last_update	timestamp (6) without timezone	Date of most recent update




Links to

Table	Join
Address	customer.address_id = Address .address_id

Links from

Table	Join
Rental	rental .customer_id = customer.customer_id
Payment	Payment .customer_id = customer.customer_id



Store

	Columns	Data Type	Description
	store_id	serial	Primary key of each store
	manager_staff_id	smallint	Unique no. id of each manager
	address_id	smallint	Unique no. id of each address
	last_update	timestamp (6) without timezone	Date of most recent update

Links to

Table	Join
Address	store.address_id = Address .address_id
Staff	store.address_id = Staff .address_id

Staff

	Columns	Data Type	Description
	staff_id	serial	Primary key of each staff member
	first_name	character varying (45)	First name of each staff member
	last_name	character varying (45)	Last name of each staff member
	address_id	smallint	Unique address no. of each staff member
	email	character varying (50)	e-mail address of each staff member
	store_id	smallint	Unique no. of each store
	active	boolean	Active: true or false
	usernames	character varying (16)	User name of each staff's account
	password	character varying (40)	Password of each staff account
	last_update	timestamp (6) without timezone	Date of most recent update
	picture	bytea	Picture of each staff member



Links to

Table	Join
Address	staff.address_id = Address .address_id

Links from

Table	Join
Payment	Payment .staff_id = staff.staff_id
Rental	Rental .staff_id = staff.staff_id
Store	Store .address_id = staff.address_id

Address

	Columns	Data Type	Description
	address_id	serial	Primary key of each address
	address	character varying (50)	Entire address
	address2	character varying (50)	Complementary address
	district	character varying (20)	District's name
	city_id	smallint	Unique no. id of each city
	postal_code	character varying (10)	Postal code of the address
	phone	character varying (20)	Phone number
	last_update	timestamp (6) without timezone	Date of most recent update



Links to

Table	Join
City	address.city_id = City .city_id

Links from

Table	Join
Store	Store .address_id = address.address_id
Staff	Staff .address_id = address.address_id
Customer	Customer .address_id = address.address_id

City

	Columns	Data Type	Description
	city_id	serial	Primary key of each city
	city	character varying (50)	name of city
	country_id	smallint	Unique no. id of each country
	last_update	timestamp (6) without timezone	Date of most recent update


Links to

Table	Join
Country	city.country_id = Country .country_id

Links from

Table	Join
Address	Address .city_id = city.city_id

Country

	Columns	Data Type	Description
	country_id	serial	Primary key of each country
	country	character varying (50)	name of country
	last_update	timestamp (6) without timezone	Date of most recent update

Links from

Table	Join
City	City .country_id = country.country_id