

ROCKBUSTER STEALTH LLC

DATA DICTIONARY

BRIDGET HALE



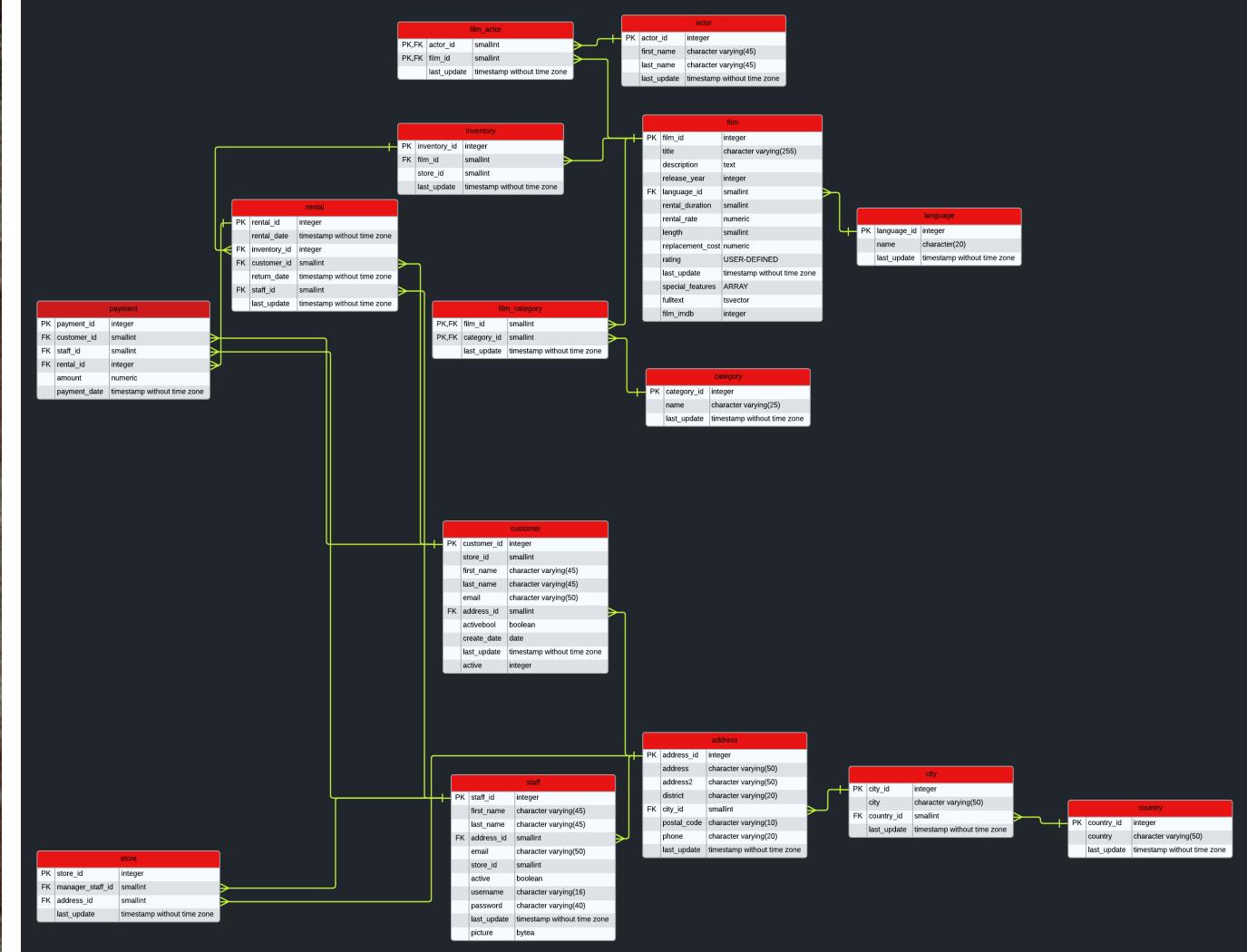
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ERD: ENTITY RELATIONSHIP DIAGRAM

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Primary Key



Foreign Key

Fact Table

3.1 Payment

Key	Column	Data Types	Description/Attributes	Links FROM/TO
	Payment_id	SERIAL	Identification # for each payment	
	Customer_id	SMALLINT	Customer Identification #	TO: customer
	Staff_id	SMALLINT	Staff Identification # processing payment	TO: staff
	Rental_id	INTEGER	Identification # assigned to each rental order	TO: rental
	amount	NUMBERIC (5-2)	Price of rental	
	Payment_date			

4.1 Rental**Dimension Tables**

Key	Column	Data Type	Description/Attributes	Links FROM/TO
	rental_id	SERIAL	Identification # assigned to each rental order	FROM: payment
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of rental	
	inventory_id	INTEGER	Inventory identification #	TO: inventory
	customer_id	SMALLINT	Customer identification #	TO: customer
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of return	
	staff_id	SMALLINT	Staff identification # processing rental order	TO: staff
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry	

4.2 Store

Key	Column	Data Type	Description/Attributes	Linked FROM/TO
	Store_id	SERIAL	Identification # for each store	
	Manager_staff_id	SMALLINT	Identification # for each store manager	TO: staff
	Address_id	SMALLINT	Identification # for each store location	TO: Address
	Last_update	TIMESTAMP(6) WIHTOUT TIME ZONE	Last update of the data entry	

4.3 Staff

Key	Column	Data Type	Description	Linked FROM/TO
	staff_id	SERIAL	Identification # for staff processing rental order	FROM: Payment/rental/payment
	first_name	CHARACTER VARYING (45)	Film actors first name	
	last_name	CHARACTER VARYING (45)	Film actors last name	
	address_id	SMALLINT	Customer address	TO: Address
	email	CHARACTER VARYING (50)	Customer email address	
	store_id	SMALLINT	Identification # for each store	
	active	INTEGER	Membership status	
	username	CHARACTER VARYING (16)	Staff username	
	password	CHARACTER VARYING (40)	Staffs account password	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of data entry	
	picture	BYTEA	Staff password	

4.4 Inventory

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Key	Column	Data Type	Description	Linked FROM/TO
	inventory_id	SERIAL	Inventory identification #	FROM: Rental
	film_id	SMALLINT	Identification # for each film	TO: Film
	store_id	SMALLINT	Identification # for each store	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of data entry	

	Key	Column	Data Type	Description	Linked FROM/TO
4.5 Film_Category 	 	film_id	SERIAL	Identification # for each film	TO: film
	 	category_id	SMALLINT	Film category (Romance, Action, Comedy,etc)	TO: category
		last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry	
4.6 Film_actor 	 	actor_id	SMALLINT	Identification # for each actor	TO: actor
	 	film_id	SMALLINT	Identification # for each film	TO: film
		last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry	
4.7 Category 		category_id	SERIAL	Identification # for each category	FROM: film_category
		Name	CHARACTER VARYING (25)	Category name	
		last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of data entry	

	actor_id	SERIAL	ID # for each actor	FROM: film_actor
	first_name	CHARACTER VARYING (45)	Film actors first name	
	last_name	CHARACTER VARYING (45)	Film actors last name	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of data entry	

4.8 Actor



4.9 Film



Key	Column	Data Type	Description	Linked FROM/TO
	film_id	SERIAL	ID # of each film	FROM: film_actor/inventory/film_category
	title	CHARACTER VARYING (25)	Film Title	
	description	TEXT	Short summary of film story	
	release_year	YEAR	Release year of film	
	language_id	SMALLINT	ID # for each language	TO: language
	rental_duration	SMALLINT	Duration of film rental	
	rental_rate	NUMERIC (4-2)	Total # of a film being rented	
	length	SMALLINT	Length of film (minutes)	
	replacement_cost	NUMERIC(5,2)	Cost to re-order film	
	rating	Mpaa_rating	Film Rating	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of data entry	
	special_feature	TEXT	Special feature included in film	
	fulltext	TSVECTOR		

4.10 Language



KEY	Column	Data Type	Description	Linked FROM / TO
	language_id	SERIAL	Identification # for each language	FROM: film
	name	CHARACTER(20)	Name of language	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the data entry	

4.11 Customer



KEY	Column	Data Type	Description	Linked FROM / TO
	customer_id	SERIAL	Customer Identification#	FROM: Payment/rental
	store_id	SMALLINT	Identification # for each store	
	first_name	CHARACTER VARYING(45)	Film actors first name	
	last_name	CHARACTER VARYING(45)	Film actors last name	
	email	CHARACTER VARYING(50)	Customer email address	
	address_id	SMALLINT	Customer address	TO: Address
	activebool	BOOLEAN	Customer member status (active or inactive member)	
	create_date	DATE	Membership creation date	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the data entry	
7	active	INETEGER	Membership status	

4.12 Address



Key	Column	Data Type	Description	Linked FROM/TO
	address_id	SERIAL	Customer address	FROM: store/staff/customer
	address	CHARACTER VARYING(50)	Store address	
	address2	CHARACTER VARYING(50)	Supplementary store address	
	district	CHARACTER VARYING(20)	Store district	
	city_id	SMALLINT	City of store location	TO: city
	postal_code	CHARACTER VARYING(10)	Postal code of store location	
	phone	CHARACTER VARYING(20)	Store phone No.	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the data entry	

4.13 City



Key	Column	Data Type	Description	Linked FROM/TO
	city_id	CHARACTER VARYING(50)	City Identification # of store location	FROM: address
	city	CHARACTER VARYING(50)	Name of City	
	country_id	SMALLINT	Country Identification # of store location	TO: country
	last_update	TIMESTAMP(6) WITHOUT TIME	Last update of the data entry	

4.14 Country



Key	Column	Data Type	Description	Linked FROM/TO
	country_id	SMALLINT	Country Identification # of store location	FROM: city
	country	CHARACTER VARYING(50)	Country Name of store location	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update of the data entry	