

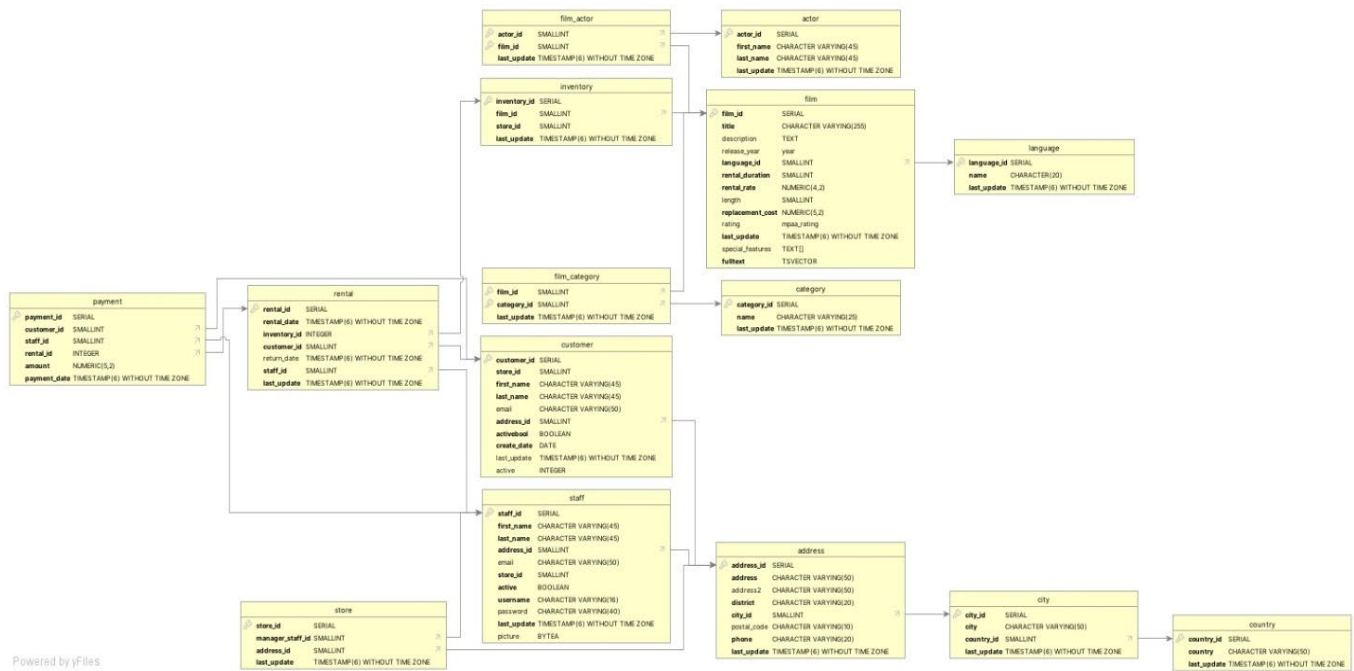
Rockbuster Stealth LLC

Data Dictionary

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1. Rockbuster Entity Relationship Diagram (ERD):



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2. Fact Tables

2.1. Payment

Key	Column	Data Type	Description	Links
Primary	Payment_id	SERIAL	Primary key, unique identifier for a payment	
Foreign	Customer_id	SMALLINT	Unique identifier for a customer	Links to customer table.
Foreign	Staff_id	SMALLINT	Unique identifier for a staff member	Links to staff table
Foreign	Rental_id	INTEGER	Unique identifier for a rental	Links to rental table
	Amount	NUMERIC(5,2)	Total amount of purchase	
	Payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time payment was made not including time zone	

2.2. Store

Key	Column	Data Type	Description	Links
Primary	Store_id	SERIAL	Primary key, unique identifier for a store	
Foreign	Manager_staff_id	SMALLINT	Unique identifier for a staff manager	Links to staff table
Foreign	Address_id	SMALLINT	Unique identifier for a store address	Links to address table
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

2.3. Film_actor

Key	Column	Data Type	Description	Links
Primary/ Foreign	Actor_id	SMALLINT	Primary key, unique identifier for an actor	Links to actor table
Primary/ Foreign	Film_id	SMALLINT	Primary key, unique identifier for a film	Links to film table
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

2.4. Film_category

Key	Column	Data Type	Description	Links
Primary/ Foreign	Film_id	SMALLINT	Primary key, unique identifier for a film	Links to film table
Primary/ Foreign	Category_id	SMALLINT	Primary key, unique identifier for a film category	Links to category table
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3. Dimension Tables

3.1. Rental

Key	Column	Data Type	Description	Links
Primary	Rental_id	SERIAL	Primary key, unique identifier for a rental	Links from payment table
	Rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of rental	
Foreign	Inventory_id	INTEGER	Unique identifier for an inventory item	Links to inventory table
Foreign	Customer_id	SMALLINT	Unique identifier for a customer	Links to customer table
	Return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of return date	
Foreign	Staff_id	SMALLINT	Unique identifier for a staff member	Links to staff table
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.2. Inventory

Key	Column	Data Type	Description	Links
Primary	Inventory_id	SERIAL	Primary key, unique identifier for an inventory item	Links from rental table
Foreign	Film_id	SMALLINT	Unique identifier for a film	Links to film table
	Store_id	SMALLINT	Unique identifier for a store	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.3. Customer

Key	Column	Data Type	Description	Links
Primary	Customer_id	SERIAL	Primary key, unique identifier for a customer	Links from payment and rental tables
	Store_id	SMALLINT	Unique identifier for a store	
	First_name	CHARACTER VARYING (45)	Customer's first name	
	Last_name	CHARACTER VARYING (45)	Customer's last name	
	Email	CHARACTER VARYING (50)	Customer's email address	
Foreign	Address_id	SMALLINT	Customer's home address	Links to address table
	Activebool	BOOLEAN	If customer is active (true/false)	
	Create_date	DATE	Date customer account was created	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	
	Active	INTEGER	If customer is active (binary)	

3.4. Staff

Key	Column	Data Type	Description	Links
Primary	Staff_id	SERIAL	Primary key, unique identifier for a staff member	Links from payment, store, and rental tables
	First_name	CHARACTER VARYING (45)	First name of staff member	
	Last_name	CHARACTER VARYING (45)	Last name of staff member	
Foreign	Address_id	SMALLINT	Unique identifier for a store address	Links to address table
	Email	CHARACTER VARYING (50)	Email address of staff member	
	Store_id	SMALLINT	Unique identifier for a store	
	Active	BOOLEAN	If staff member is active (true/false)	
	Username	CHARACTER VARYING (16)	Staff member's username	
	Password	CHARACTER VARYING (40)	Staff member's password	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	
	Picture	BYTEA	Picture of staff member	

3.5. Actor

Key	Column	Data Type	Description	Links
Primary	Actor_id	SERIAL	Primary key, unique identifier for an actor	Links from film_actor table
	First_name	CHARACTER VARYING (45)	First name of actor	
	Last_name	CHARACTER VARYING (45)	Last name of actor	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.6. Film

Key	Column	Data Type	Description	Links
Primary	Film_id	SERIAL	Primary key, unique identifier for a film	Links from film_actor, film_category, and inventory tables
	Title	CHARACTER VARYING (255)	Title of a film	
	Description	TEXT	Description of a film	
	Release_year	YEAR	Year the film was released	
Foreign	Language_id	SMALLINT	Unique identifier for the language of a film	Links to language table
	Rental_duration	SMALLINT	Number of days film was rented	
	Rental_rate	NUMERIC(4,2)	Price of rental per day	
	Length	SMALLINT	Length of the film in minutes	
	Replacement_cost	NUMERIC(5,2)	Cost to replace film if not returned	
	Rating	MPAA_RATING	Rating of the film	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	
	Special_features	TEXT[]	Special features included with film rental	
	Fulltext	TSVECTOR	Text in the film	

3.7. Category

Key	Column	Data Type	Description	Links
Primary	Category_id	SERIAL	Primary key, unique identifier for the category of a film	Links from film_category table
	Name	CHARACTER VARYING (25)	Category of a film (genre)	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.8. Address

Key	Column	Data Type	Description	Links
Primary	Address_id	SERIAL	Primary key, unique identifier for a store address	Links from store, staff, and customer tables
	Address	CHARACTER VARYING (50)	Address of store	
	Address2	CHARACTER VARYING (50)	Additional space for address of a store	
	District	CHARACTER VARYING (20)	District a store is located in	
Foreign	City_id	SMALLINT	Unique identifier for the city a store is in	Links to city table
	Postal_code	CHARACTER VARYING (10)	Postal code of a store	
	Phone	CHARACTER VARYING (20)	Phone number of a store	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.9. Language

Key	Column	Data Type	Description	Links
Primary	Language_id	SERIAL	Primary key, unique identifier for the language of a film	Links from film table
	Name	CHARACTER (20)	Name of language of a film	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.10. City

Key	Column	Data Type	Description	Links
Primary	City_id	SERIAL	Primary key, unique identifier for the city a store is in	Links from address table
	City	CHARACTER VARYING (50)	Name of city a store is located in	
Foreign	Country_id	SMALLINT	Unique identifier for the country a store is in	Links to country table
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	

3.11. Country

Key	Column	Data Type	Description	Links
Primary	Country_id	SERIAL	Primary key, unique identifier for the country a store is in	Links from city table
	Country	CHARACTER VARYING (50)	Name of country a store is located in	
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of last record update	