

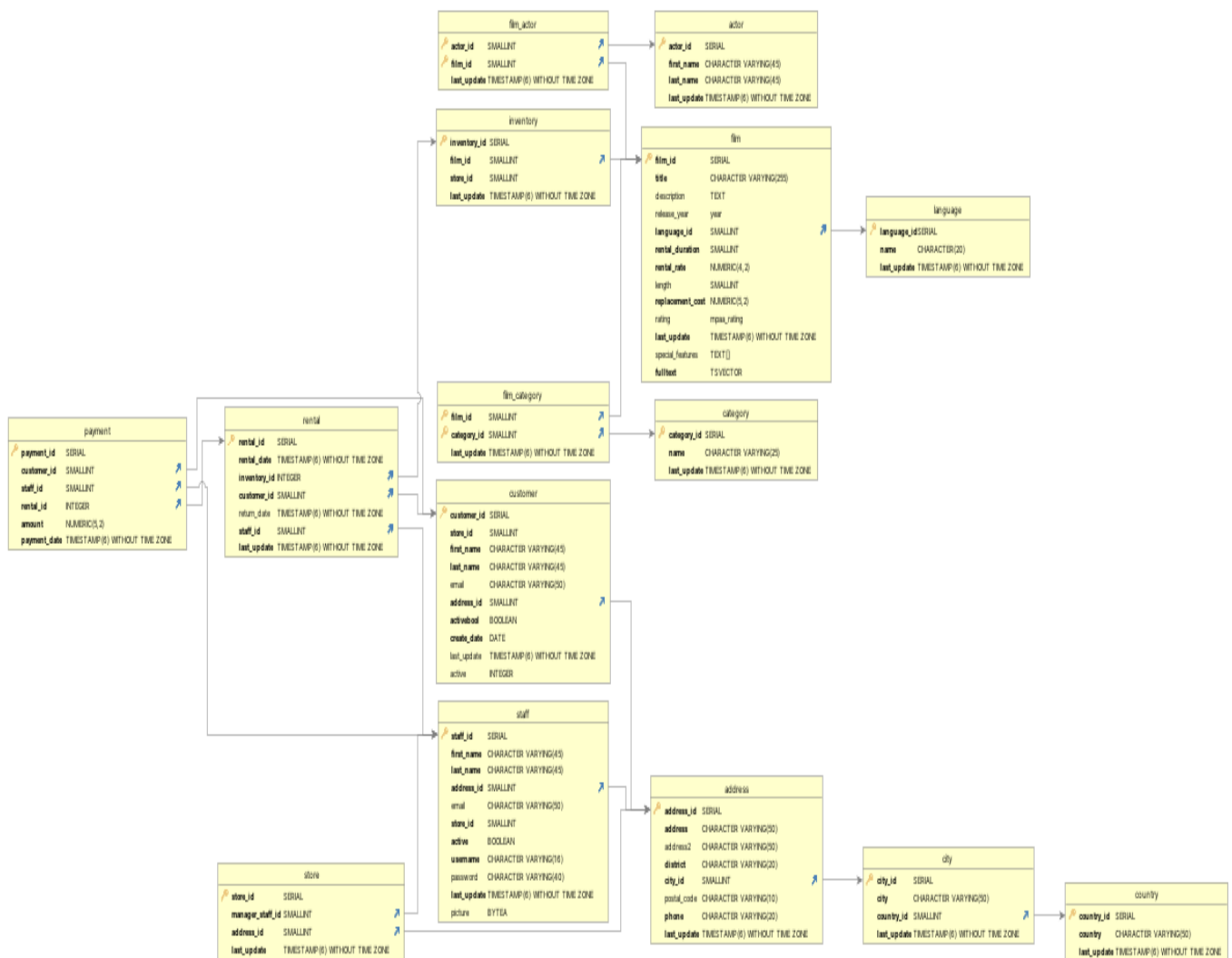
**ROCKBUSTER STEALTH LLC**

Data Dictionary

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# Rockbuster DataBase ERD (Entity Relationship Diagram)



# Fact Tables

## Payments

Key	Columns	Data Type	Description
Primary	Payment-id	SERIAL	Unique identifier for each payment transaction
Foreign	Customer_id	SMALLINT	Unique identifier for the customer making the payment.
Foreign	Staff_id	SMALLINT	Unique identifier for the staff member processing the payment.
Foreign	Rental-id	INTEGER	Unique identifier for the rental associated with the payment.
	amount	NUMERIC (5,2)	Amount paid by the customer.
	Payment-date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time of the payment transaction.

## Rental

Key	Columns	Data Type	Description
Primary	rental-id	SERIAL	Unique identifier for each rental transaction
	Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time when the rental was made.
Foreign	Inventory-id	INTEGER	Unique identifier for the inventory item rented.
Foreign	costumer-id	SMALLINT	Unique identifier for the customer renting the movie.
	Return_date	TIMESTAMP(6) WITHOUT TIME ZONE.	Date and time when the movie was returned.
Foreign	Staff_id	SMALLINT	Unique number used to identify the personnel member of Rockbuster
	Last-update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time of last update.

# Dimension Tables

## Customer

Key	Column	Data Type	Description
Primary	Customer_id	SERIAL	Unique number of a customer
	Store_id	SMALLINT	Unique number of a store
	First_name	CHARACTER VARYING(45)	First name of the customer
	Last_name	CHARACTER VARYING(45)	Last name of the customer
	Email	CHARACTER VARYING(50)	Email from the customer
Foreign	Adress_id	SMALLINT	Address of the customer
	Activebool	BOOLEAN	Active true or false
	Create_date	DATE	Date of creation
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Staff

Key	Column	Data Type	Description
Primary	Staff_id	SERIAL	Unique number of a staff member
	Store_id	SMALLINT	Unique number of a store
	First_name	CHARACTER VARYING(45)	First name of the staff member
	Last_name	CHARACTER VARYING(45)	Last name of the staff member
	Email	CHARACTER VARYING(50)	Email from the staff member
Foreign	Adress_id	SMALLINT	Address of the staff member
	Active	BOOLEAN	If the staff member account is active
	User_name	CHARACTER VARYING(16)	Online username of the staff member
	Password	CHARACTER VARYING(40)	Online password of the staff member
	Last-update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update
	Picture	BYTEA	Photo of the staff member

## Store

Key	Column	Data Type	Description
Primary	Store_id	SERIAL	Unique number of a store
Foreign	Manager_staff_id	SMALLINT	Unique number of a staff manager
Foreign	Address_id	SMALLINT	Address of the store
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Address

Key	Column	Data Type	Description
Primary	Address_id	SERIAL	Unique number of an address
	Address	CHARACTER VARYING(50)	Address details
	Address2	CHARACTER VARYING(50)	Extra address details
	District	CHARACTER VARYING(20)	Name of the district
Foreign	City_id	SMALLINT	Unique city number
	Postal_code	CHARACTER VARYING(10)	Postal code details
	Phone	CHARACTER VARYING(20)	Phone number
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## City

Key	Column	Data Type	Description
Primary	City_id	SERIAL	Unique city number
	City	CHARACTER VARYING(50)	Name of the city
Foreign	Country_id	SMALLINT	Unique country number
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Country

Key	Column	Data Type	Description
Primary	Country_id	SERIAL	Unique country number
	Country	CHARACTER VARYING(50)	Name of the country
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Film\_Actor

Key	Column	DATA TYPE	Description
Composite (Primary and Foreign)	Actor_id	SMALLINT	Unique number of an actor
Composite (Primary and Foreign)	Film_id	SMALLINT	Unique number of a movie
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Actor

Key	Column	Data Type	Description
Primary	Actor_id	SERIAL	Unique number of the actor
	First_name	CHARACTER VARYING(45)	First name of the actor
	Last_name	CHARACTER VARYING(45)	Last name of the actor
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Inventory

Key	Column	Data Type	Description
Primary	Inventory_id	SERIAL	Unique number of an inventory
Foreign	Film_id	SMALLINT	Unique number of a movie
	Store_id	SMALLINT	Unique number of a store
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Film

Key	Column	Data Type	Description
Primary	Film_id	SERIAL	Unique number of the movie
	Title	CHARACTER VARYING(255)	Title of the movie
	Description	TEXT	Description of the movie
	Release_year	YEAR	Year that the movie came out
Foreign	Language_id	SMALLINT	Unique number of the language of the movie

	Rental_duration	SMALLINT	How long the movie has been rented
	Rental_rate	NUMERIC(4,2)	Score of renting by customers
	Length	SMALLINT	Duration of the movie
	Replacement_cost	NUMERIC(5,2)	Costs to replace the rental movie
	Rating	MPAA_RATING	Which age groups can watch the movie
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update
	Special_features	TEXT[]	Special features of the movie
	Fulltext	TSVECTOR	Text of the movie

## Language

Key	Column	Data Type	Description
Primary	Language_id	SERIAL	Unique number of the language of the movie
	Name	CHARACTER(20)	Name of the language
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Film\_Category

Key	Column	DATA TYPE	Description
Composite (Primary and Foreign)	Film_id	SMALLINT	Unique number of the movie
Composite (Primary and Foreign)	Category_id	SMALLINT	Unique number of the category
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update

## Category

Key	Column	Data Type	Description
Primary	Category_id	SERIAL	Unique number of the category
	Name	CHARACTER VARYING(25)	Name of the language
	Last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date and time of the last update