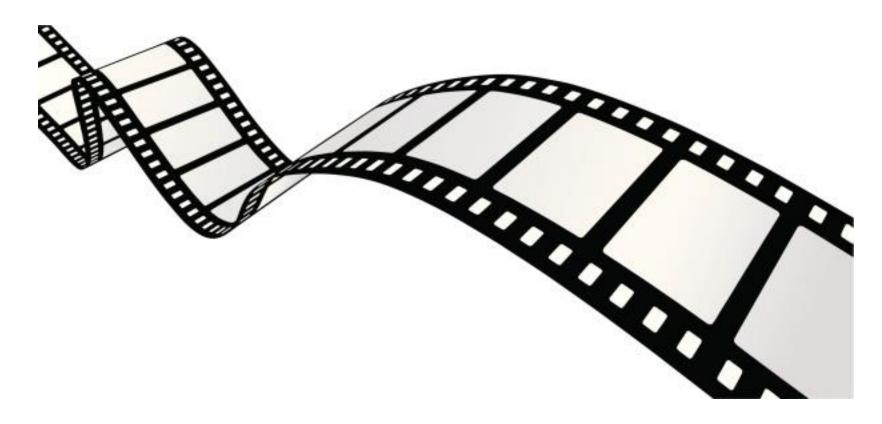
# DATA DICTIONARY



Suki Habibe Rockbuster Stealth LLC

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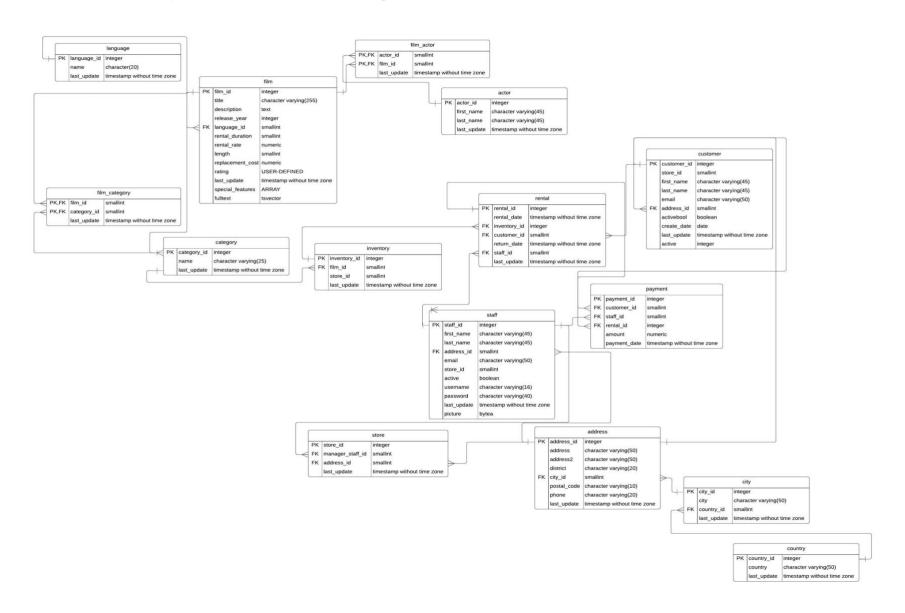
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# 1. Introduction

Rockbuster Stealth LLC is a movie rental company. The Data base supports rental and payment transactions, inventory keeping, and detail information about the movies in inventory, the staff, the and its customers.

# 2. Entity Relationship Diagram (ERD)



# 3. Legend

Primary Key
Foreign Key

# 4. Fact Tables

### 4.1 Fact table: rental

Key	Name	Data type	Description
<del></del>	rental_id	integer	Primary key for rental records.
	rental_date	time_stamp without	Date the rental record took place.
		timezone	
<b>—</b> 0	inventory_id	integer	Unique code of the item rented. Foreign key links to
			inventory.inventory_id.
<b>—</b>	customer_id	smallint	Unique code of the customer in question. Foreign key
			links to customer.customer_id.
	return_date	time_stamp without	Date the rented item is returned.
		timezone	
	staff_id	smallint	Unique code for the staff member in charge of the
			rental transaction. Foreign key links to staff.staff_id.

K	ey	Name	Data type	Description
		last_update	time_stamp without	Date and time the record was last updated.
			timezone	

Table	Join	Description
payment	rental.rental_id =	FK rental_id: rental → payment
	payment.rental_id	Foreign key constraint referencing rental.rental_id

# Links from:

Table	Join	Description
inventory	rental.inventory_id =	FK inventory_id: inventory → rental
	inventory.inventory_id	Foreign key constraint referencing inventory.inventory_id
staff	rental.staff_id =	FK staff_id: staff → rental
	staff.staff_id	Foreign key constraint referencing staff.staff_id
customer	rental.customer_id =	FK customer_id: customer → rental
	customer.customer_id	Foreign key constraint referencing customer.customer_id

# Unique key:

Column	Description	
rental_id	Primary Key: rental.rental_id	

### 4.2 Fact table: inventory

Key	Name	Data type	Description
<b>—</b>	inventory_id	integer	Primary key for inventory item.
	film_id	smallint	Unique code for the film. Foreign key links to
			film.film_id.
	store_id smallint	cmallint	Unique code for the store. Foreign key links to
		store.store_id.	
	last_update time_stamp without timezone	Date and time the record was last updated.	
		Date and time the record was last updated.	

Table	Join	Description
rontal	Inventory.inventory_id	FK inventory_id: inventory → rental
rental	= rental.inventory_id	Foreign key constraint referencing inventory.inventory_id

# Links from:

Table	Join	Description
film id	Inventory.film_id =	FK film_id: film → inventory
film_id	film.film_id	Foreign key constraint referencing film.film_id
store	Inventory.store_id =	FK store_id: store → inventory
store	store.store_id	Foreign key constraint referencing store.store_id

# Unique key:

Column	Description	
inventory_id	Primary Key: inventory.inventory_id	

# 4.3 Fact table: payment

### Columns:

Key	Name	Data type	Description
	payment_id	integer	Primary key for payment records.
	customer_id	smallint	Unique code of the customer in question. Foreign key links to customer.customer id.
	staff_id	smallint	Unique code for the staff member in charge of the rental transaction. Foreign key links to staff.staff id.
0	rental_id	integer	Unique code for the rental record. Foreign key links to rental_id.
	amount	numeric	Amount paid.
	payment_date	time_stamp without timezone	Date of payment.

Links to: none

Table	Join	Description
rontal	payment.rental_id =	FK rental_id: rental → payment
rental	rental.rental_id	Foreign key constraint referencing rental.rental_id

Table	Join	Description
staff	payment.staff_id =	FK staff_id: staff → payment
Stall	staff.staff_id	Foreign key constraint referencing staff.staff_id
	payment.customer_id	FK customer id: customer → payment
customer	=	
	customer.customer_id	Foreign key constraint referencing customer.customer_id

Column	Description	
payment_id	Primary Key: payment.payment_id	

# 5. Dimension Tables

#### 5.1 Dimension table: film

Key	Name	Data type	Description
	film_id	integer	Primary key for film title.

Key	Name	Data type	Description
	title	character varying(255)	Title of the film.
	description	text	Small description of the storyline in the film.
	release_year	integer	Year the film was released.
	language_id	smallint	Unique code of the language of the film. Foreign key links to language.language_id.
	rental_duration	smallint	The number of days the item was rented.
	rental_rate	numeric	The amount of the daily rental rate.
	length	smallint	The length of the film.
	replacement_cost	numeric	The amount it costs to replace this item.
	rating	USER-DEFINED	The rating of the film for "age-appropriateness".
	last_update	time_stamp without timezone	Date and time the record was last updated.
	special_features	ARRAY	List of "Trailors, commentaries, behind the scenes, deleted scenes" if available.
	fulltext	tsvector	Search keywords for the film.

Table	Join	Description
category	film.film_id =	FK film_id: film → category
	category.film_id	Foreign key constraint referencing film.film_id
film actor	film.film_id =	FK film_id: film → film_actor
film_actor	film_actor.film_id	Foreign key constraint referencing film.film_id

Table	Join	Description
languago	film.language_id =	ғк language_id: language → film
language	language.language_id	Foreign key constraint referencing language.language_id

Column	Description	
film_id	Primary Key: film.film_id	

### 5.2 Dimension table: film\_category

### Columns:

	Name	Data type	Description
	film_id	smallint	Unique code of the film. Foreign key links to film.film_id, used as part of combination key.
0	category_id	smallint	Unique code of category. Foreign key links to category.category_id, used as part of combination key.
	last_update	time_stamp without timezone	Date and time the record was last updated.

Links to: none

Table	Join	Description
film_id	film_category.film_id =	FK film_id: film → film_category
	film.film_id	Foreign key constraint referencing film.film_id
category_id	film_category.category_id	FK category_id: category → film_category
	= category.category_id	Foreign key constraint referencing film.film_id

Column	Description
film_id + category_id	Combination Key: film_category.film_id+category_id

# 5.3 Dimension table: category

### Columns:

Name	Data type	Description
category_id	integer	Primary key for categories.
name	character varying(255)	Name of category.
last_update	time_stamp without timezone	Date and time the record was last updated.

### Links to:

Table	Join	Description
film_category	category.category_id =	FK category_id: category → film_category
	category_film.category_id	

Table	Join	Description
		Foreign key constraint referencing
		category.category_id

# Links from:

Table	Join	Description
film	category.film_id =	FK film_id: film → category
	film.film_id	Foreign key constraint referencing film.film_id

# Unique key:

Column	Description
category_id	Primary Key: category_id

# 5.4 Dimension table: language

### Columns:

Name	Data type	Description
language_id	integer	Primary key for languages.
name	character (20)	Name of language.
last_update	time_stamp without timezone	Date and time the record was last updated.

### Links to:

Table	Join	Description
film	language.language_id	ғк language_id: language → film
	= film.language_id	Foreign key constraint referencing language.language_id

Links from: none

Unique key:

Column	Description
language_id	Primary Key: language.language_id

### 5.5 Dimension table: film\_actor

#### Columns

	Name	Data type	Description
- acton id	smallint	Unique code of actor. Foreign key links to	
	actor_id	Silidiliili	actor.actor_id, used as part of combination key.
	film_id	smallint	Unique code of film. Foreign key links to
			film.film_id, used as part of combination key.
	last_update	time_stamp without	Date and time the record was last updated.
		timezone	Date and time the record was last updated.

Links to: none

Table	Join	Description
actor	film_actor.actor_id =	FK actor_id: actor → film_actor
	actor.actor_id	Foreign key constraint referencing actor.actor_id
film	film_actor.film_id =	FK film_id: film → film_actor
	film.film_id	Foreign key constraint referencing film.film_id

Column	Description
film_id + actor_id	Combination Key: film_actor.film_id+actor_id

### 5.6 Dimension table: actor

### Columns:

Name	Data type	Description
actor_id	integer	Primary key for actors.
first_name	character varying(45)	First name of actor.
last_name	character varying(45)	Last name of actor.
last_update	time_stamp without timezone	Date and time the record was last updated.

Links to:

Table	Join	Description
film actor	actor.actor_id =	FK actor_id: actor → film_actor
IIIII_actor	film_actor.actor_id	Foreign key constraint referencing actor.actor_id

Links from: none

Unique key:

Column	Description
actor_id	Primary Key: actor.actor_id

### 5.7 Dimension table: staff

Name	Data type	Description
staff_id	integer	Primary key for staff members.
first_name	character varying(45)	First name of staff member.
last_name	character varying(45)	Last name of staff member.
addross id	smallint	Unique code of the address name. Foreign key links to
address_id		address.address_id.
email	character varying(50)	Email address of the staff member.
- atomo in	smallint	Unique code of the store the staff member is located at.
store_id		Foreign key links to store.store_id.
active	boolean	Identified by "True" or "False" if the employment is still
active	Doolean	active.

Name	Data type	Description
username	character varying(16)	Staff member's log-in username.
password	character varying(40)	Staff member's log-in password.
last_update	time_stamp without timezone	Date and time the record was last updated.
picture	bytea	Picture of the staffmember.

Table	Join	Description
storo	staff.staff_id =	FK staff_id: staff → store
store	store.manager_staff_id	Foreign key constraint referencing staff.staff_id
rental	staff.staff_id =	FK staff_id: staff → rental
Tellial	rental.staff_id	Foreign key constraint referencing staff.staff_id
naymant	staff.staff_id =	FK staff_id: staff → payment
payment	payment.staff_id	Foreign key constraint referencing staff.staff_id

# Links from:

Table	Join	Description
address	staff.address_id =	FK address_id: address → staff
	address.address_id	Foreign key constraint referencing address.address_id

# Unique key:

Column	Description
staff_id	Primary Key: staff.staff_id

# 5.8 Dimension table: store

# Columns:

Name	Data type	Description
store_id	integer	Primary key of stores.
manager_staff_id	smallint	Unique code of the store's manager. Foreign key links to staff.staff_id.
address_id	smallint	Unique code of the address name. Foreign key links to address.address_id.
last_update	time_stamp without timezone	Date and time the record was last updated.

### Links to:

Table	Join	Description
staff	store.store_id = staff.store_id	FK store_id: store → staff
Stall		Foreign key constraint referencing store.store_id
au at a ma a m	store.store_id =	FK store_id: store → staff
customer	customer.store_id	Foreign key constraint referencing store.store_id

Table	Join	Description
address	store.address_id = address.address_id	FK address_id: address → store Foreign key constraint referencing address.address_id

Column	Description
store_id	Primary Key: store_id

### 5.9 Dimension table: customer

	Name	Data type	Description
<del></del> 0	customer_id	integer	Primary key for customer accounts.
	store_id	smallint	Unique code of the store the customer is member at. Foreign key links to store.store_id.
	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 address of the customer.
	address_id	smallint	Date and time the record was last updated.
	active_bool	boolean	Identified by "True" or "False" if the customer's account is still active.
	create_date	date	Date the customer's account was created.
	last_update	time_stamp without timezone	Date and time the record was last updated.
	active	integer	Identified by "1" or "0" if the customer's account is still active.

Table	Join	Description
rental	customer.customer_id	FK customer_id: customer → rental
	= rental.customer_id	Foreign key constraint referencing customer.customer_id
payment	customer.customer_id	FK customer_id: customer → payment
	= payment.customer_id	Foreign key constraint referencing customer.customer_id

# Links from:

Table	Join	Description
store	customer.store_id =	FK store_id: store → customer
	store.store_id	Foreign key constraint referencing store.store_id
address	customer.address_id =	FK address_id: address → customer
	address.address_id	Foreign key constraint referencing address.address_id

# Unique key:

Column	Description
customer_id	Primary Key: customer_id

5.10 Dimension table: address

Name	Data type	Description
address_id	integer	Primary key of the address name.
address	character varying(50)	The address name and number.
address2	character varying(50)	Additional names for this address.
district	character varying(20)	The district the address is in.
city id	smallint	Unique code of the city this address is part of. Foreign
5.676		key links to city.city_id.
postal_code	character varying(10)	The postal code of the address.
phone	character varying(20)	The phonenumber for this address.
last update	time_stamp without	Date and time the record was last updated.
iasi_upuate	timezone	Date and time the record was last updated.

Table	Join	Description
staff	address.address_id =	FK address_id: address → staff
Stall	staff.address_id	Foreign key constraint referencing address.address_id
customer	address.address_id =	FK address_id: address → customer
customer	customer.address_id	Foreign key constraint referencing address.address_id
storo	address.address_id =	FK address_id: address → store
store	store.address_id	Foreign key constraint referencing address.address_id

Table	Join	Description
city	address.city_id =	FK city_id: city → address
City	city.city_id	Foreign key constraint referencing City.City_id

Column	Description
address_id	Primary Key: address_id

# 5.11 Dimension table: city

### Columns:

	Name	Data type	Description
	city_id	integer	Primary key for cities.
	city	character varying(50)	The city name.
0	country_id	smallint	Unique code of the country this city is part of. Foreign key to country.country_id.
	last_update	time_stamp without timezone	Date and time the record was last updated.

# Links to:

Table	Join	Description
address	city.city_id =	FK city_id: city → address
address	address.city_id	Foreign key constraint referencing City.City_id

Table	Join	Description
country	city.country_id =	FK country_id: country → city
country	country.country_id	Foreign key constraint referencing country.country_id

Column	Description
city_id	Primary Key: city.city_id

# **5.12** Dimension table: **country**

### Columns:

Key	Name	Data type	Description
	country_id	integer	Primary key for countries.
	country	character varying(50)	The country name.
	last_update	time_stamp without timezone	Date and time the record was last updated.

### Links to:

Table	Join	Description
city	country.country_id =	FK country_id: country → city
City	city.country_id	Foreign key constraint referencing country.country_id

Links from: none

Column	Description
country_id	Primary Key: country_id

