

# Rockbuster Stealth LLC

## DATA DICTIONARY

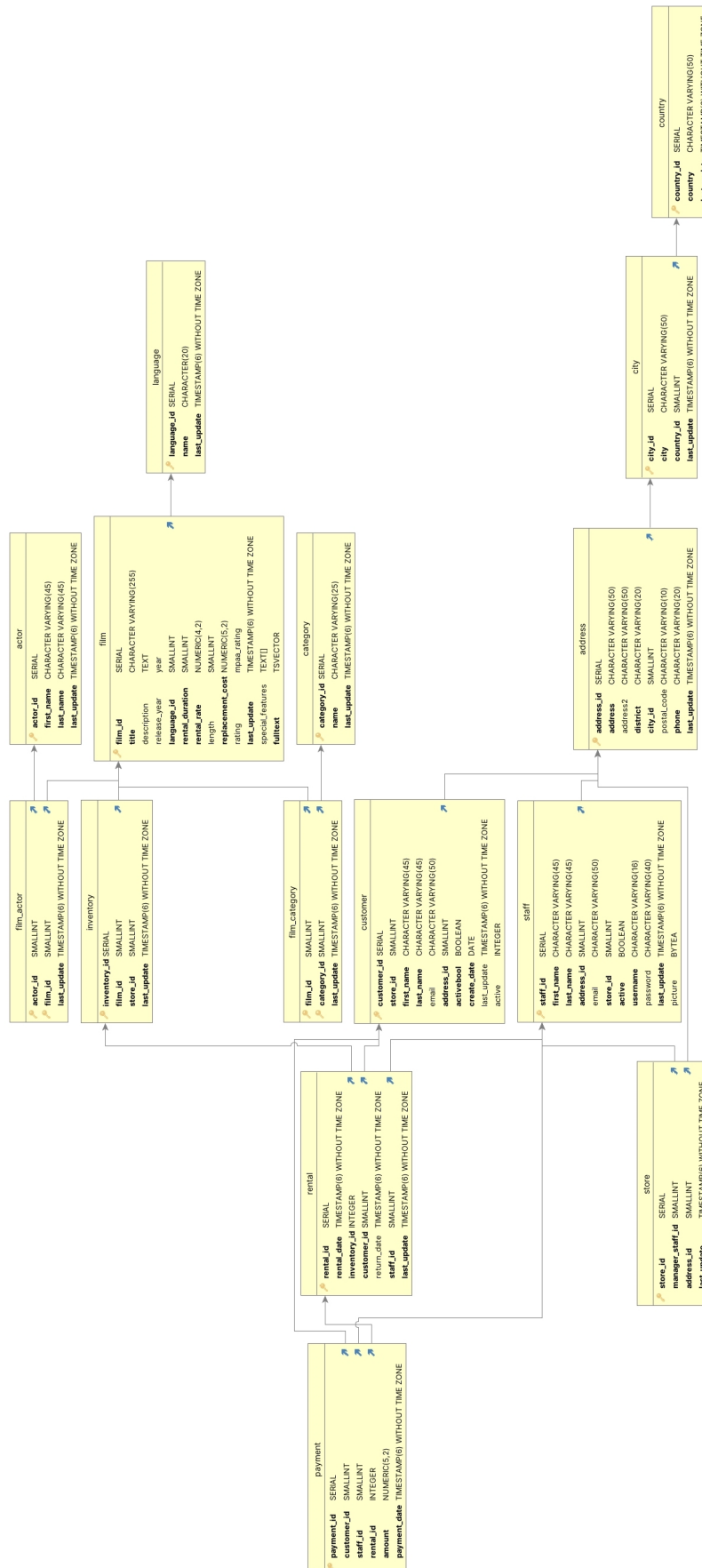


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# 1. Entity Relationship Diagram (ERD)



## 2. Fact Tables

### 2.1 Payment Table

Key	Column	Data Type	Description
Primary	Payment_id	Serial	Unique payment identifier
Foreign	Customer_id	Small Int	Unique customer identifier
Foreign	Staff_id	Small Int	Unique staff identifier
Foreign	Rental_id	Integer	Unique rental identifier
	Amount	Numeric(5,2)	Amount of payment received
	Payment_date	Timestamp w/o Time Zone	Date of payment

Payment Table links to:

Table	Link
Customer	Payment.customer_id=Customer.customer_id
Staff	Payment.staff_id=Staff.staff_id
Rental	Payment.rental_id=Rental.rental_id

Payment Table links from: N/A

### 2.2 Rental Table

Key	Column	Data Type	Description
Primary	Rental_id	Serial	Unique rental identifier
	Rental_date	Timestamp w/o Time Zone	Date of rental
Foreign	Inventory_id	Integer	Unique inventory identifier
Foreign	Customer_id	Small Int	Unique customer identifier
	Return_date	Timestamp w/o Time Zone	Date of return
Foreign	Staff_id	Small Int	Unique staff identifier

	Last_update	Timestamp w/o Time Zone	Time of last update
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Rental Table links to:

Table	Link
Inventory	Rental.inventory_id=Inventory.Inventory_id
Customer	Rental.customer_id=Customer.customer_id
Staff	Rental.staff_id=Staff.staff_id

Rental Table links from:

Table	Link
Payment	Payment.rental_id=Rental.rental_id

### 3. Dimension Tables

#### 3.1 Film Actor Table

Key	Column	Data Type	Description
<b>Primary, Foreign</b>	Actor_id	Small Int	Unique identifier of actor
<b>Primary, Foreign</b>	Film_id	Small Int	Unique identifier of film
	Last_update	Timestamp w/o Time Zone	Time of last update

Film Actor Table links to:

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

Film Actor Table links from: N/A

## 3.2 Inventory Table

Key	Column	Data Type	Description
<b>Primary</b>	Inventory_id	Serial	Unique identifier of inventory
<b>Foreign</b>	Film_id	Small Int	Unique identifier of film
<b>Foreign</b>	Store_id	Small Int	Unique identifier of store
	Last_update	Timestamp w/o Time Zone	Time of last update

Inventory Table links to:

Table	Link
Film	inventory.film_id=film.film_id

Inventory Table links from:

Table	Link
Rental	rental.inventory_id=inventory.inventory_id

### 3.3 Customer Table

Key	Column	Data Type	Description
<b>Primary</b>	Customer_id	Small Int	Unique customer identifier
<b>Foreign</b>	Store_id	Small Int	Unique identifier of store
	First_name	Character Varying(45)	First name of customer
	Last_name	Character Varying(45)	Last name of customer
	Email	Character Varying(50)	Email address of customer
<b>Foreign</b>	Address_id	Small Int	Unique identifier of address
	Activebool	Boolean	Whether customer is active
	Create_date	Date	Date of customer profile creation
	Last_update	Timestamp w/o Time Zone	Time of last update
	Active	Integer	Active status represented by 0 or 1

Customer Table links to:

Table	Link
Address	Customer.address_id=address.address_id

Customer Table links from:

Table	Link
Rental	rental.customer_id = customer.customer_id
Payment	payment.customer_id = customer.customer_id

### 3.4 Film Table

Key	Column	Data Type	Description
Primary	Film_id	Serial	Unique identifier of film
	Title	Character Varying(255)	Title of film
	Description	Text	Description of film
	Release_year	Year	Year of film release
Foreign	Language_id	Small Int	Language of film
	Rental_duration	Small Int	Duration of rental
	Rental_rate	Numeric(4,2)	Rate of rental
	Length	Small Int	Length of film
	Replacement_cost	Numeric(5,2)	Replacement cost of film
	Rating	Mpaa_rating	Rating of film
	Last_update	Timestamp w/o Time Zone	Time of last update
	Special_features	Text[]	Special features of film
	Fulltext	Tsvector	Film index; contains count of key words in description

Film Table links to:

Table	Link
Language	film.language_id = language.language_id

Film Table links from:

Table	Link
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



## 3.5 Address Table

Key	Column	Data Type	Description
Primary	Address_id	Serial	Unique identifier of address
	Address	Character Varying(50)	First line of address
	Address2	Character Varying(50)	Second line of address
	District	Character Varying(20)	District of address
Foreign	City_id	Small Int	Unique identifier of city
	Postal_code	Character Varying(10)	Postal code associated with address
	Phone	Character Varying(20)	Phone number for address
	Last_update	Timestamp w/o Time Zone	Time of last update

Address Table links to:

Table	Link
City	address._city_id = city.city_id

Address Table links from:

Table	Link
Staff	staff.address_id = address.address_id
Store	store.address_id = address.address_id
Customer	customer.address_id = address.address_id

## 3.6 Film Category Table

Key	Column	Data Type	Description
Primary, Foreign	Film_id	Small Int	Unique identifier of film
Primary, Foreign	Category_id	Small Int	Unique identifier of category
	Last_update	Timestamp w/o Time Zone	Time of last update

Film Category Table links to:

Table	Link
Film	Film_category.film_id=Film.film_id
Category	Category Film_category.category_id=Category.category_id

Film Category Table links from: N/A

## 3.7 Category Table

Key	Column	Data Type	Description
	Category_id	Serial	Unique identifier of category
	Name	Character Varying(25)	Name of category
	Last_update	Timestamp w/o Time Zone	Time of last update

Category Table links to: N/A

Category Table links from:

Table	Link
Film Category	film_category.category_id = category.category_id

## 3.8 Language Table

Key	Column	Data Type	Description
Primary	Language_id	Serial	Unique identifier of language
	Name	Character Varying(20)	Name of language
	Last_update	Timestamp w/o Time Zone	Time of last update

Language Table links to: N/A

Language Table links from:

Table	Link
Film	film.language_id = language.language_id

## 3.9 Actor Table

Key	Column	Data Type	Description
Primary	Actor_id	Serial	Unique identifier of film
	First_name	Character Varying(45)	First name of actor
	Last_name	Character Varying(45)	Last name of actor
	Last_update	Timestamp w/o Time Zone	Time of last update

Actor Table links to: N/A

Actor Table links from:

Table	Link
Film Actor	film_actor.actor_id = actor.actor_id

### 3.10 City Table

Key	Column	Data Type	Description
Primary	City_id	Serial	Unique identifier of city
	City	Character Varying(50)	Name of city
Foreign	Country_id	Small Int	Unique identifier of country
	Last_update	Timestamp w/o Time Zone	Time of last update

City Table links to:

Table	Link
Country	city.country_id = country.country_id

City Table links from:

Table	Link
Address	address.city_id = city.city_id

### 3.11 Country Table

Key	Column	Data Type	Description
Primary	Country_id	Serial	Unique identifier of country
	Country	Character Varying(50)	Name of country
	Last_update	Timestamp w/o Time Zone	Time of last update

Country Table links to: N/A

Country Table links from:

Table	Link
City	city.country_id = country.country_id

## 3.12 Staff Table

Key	Column	Data Type	Description
Primary	Staff_id	Serial	Unique identifier of staff member
	First_name	Character Varying(45)	First name of staff member
	Last_name	Character Varying(45)	Last name of staff member
Foreign	Address_id	Small Int	Unique identifier of address
	Email	Character Varying(50)	Email address of staff member
	Store_id	Small Int	Unique identifier of store
	Active	Boolean	Whether staff member is active
	username	Character Varying(16)	Staff member's username
	Password	Character Varying(40)	Staff member's password
	Last_update	Timestamp w/o Time Zone	Time of last update
	Picture	Bytea	Picture of staff member

Staff Table links to:

Table	Link
Address	staff.address_id = address.address_id

Staff Table links from:

Table	Link
Store	store.manager_staff_id = staff.staff_id
Rental	rental.staff_id = staff.staff_id
Payment	payment.staff_id = staff.staff_id

### 3.13 Store Table

Key	Column	Data Type	Description
Primary	store_id	Serial	unique identifier of store
Foreign	manager_staff_id	Small Int	unique identifier of staff manager
Foreign	address_id	Small Int	unique identifier of address
	last_update	timestamp(6) without time zone	last update of store profile

Store Table links to: N/A

Table	Link
Staff	store.manager_staff_id = staff.staff_id
Address	store.address_id = address.address_id

Store Table links from: N/A