

# Data Dictionary

## Rockbuster Stealth Analysis

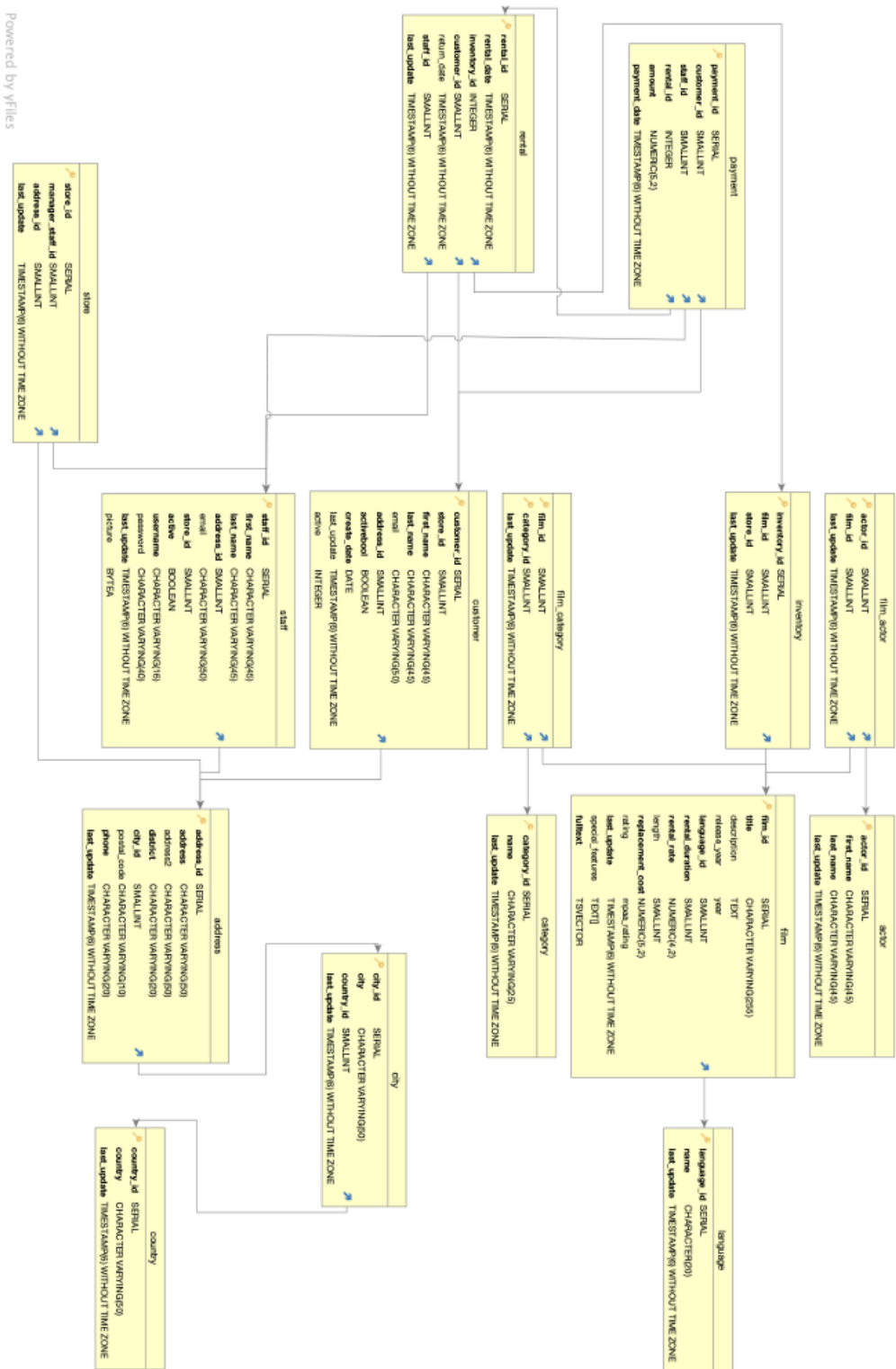
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## Table of Contents

Entity Relationships Diagram (ERD).....	2
Data Tables.....	3
Tables.....	3
Payment Table.....	3
Rental table.....	4
Store Table.....	5
Film Actor Table .....	5
Inventory Table .....	6
Film Category Table .....	7
Customer Table .....	8
Staff Table.....	9
Actor Table.....	10
Film Table .....	11
Category Table .....	12
Language Table.....	13
Address Table.....	13
City Table .....	14
Country Table .....	15





# Entity Relationships Diagram (ERD)



## Data Tables

### Tables

#### Payment Table





Table	Relationships	Column	Data Type	Description
Payment	 Primary key	Payment_id	Serial	Unique identifier for payment
	 Foreign key	Customer_id	Smallint	Unique identifier for customer
	 Foreign key	Staff_id	Smallint	Unique identifier for staff
	 Foreign key	Rental_id	Integer	Unique identifier for rental
		Amount	Numeric(5,2)	Amount value
		Payment_date	Timestamp(6) without time zone	Payment date and time without time zone

Links To Tables :

Table Name	Linked Columns
Customer	Customer_id = Customer_id
Staff	Staff_id = Staff_id
Rental	Rental_id = Rental_id

Linked From Tables:

No Tables

Table	Relationships	Column	Data Type	Description
Rental	 Primary key	Rental_id	Serial	Unique identifier for rental
		Rental_date	Timestamp(6) without time zone	Rental date and time without time zone
	 Foreign key	Inventory_id	Integer	Unique identifier for inventory
	 Foreign key	Customer_id	Smallint	Unique identifier for customer
		Return_date	Timestamp(6) without time zone	Unique date and time without time zone
	 Foreign key	Staff_id	Smallint	Unique identifier for staff
		Last_update	Timestamp(6) without time zone	Last update and time without time zone

Rental table




Linked To Tables:

Tables	Linked Columns
<b>Inventory</b>	Inventory_id = Inventory_id
<b>Customer</b>	Customer_id = Customer_id
<b>Staff</b>	Staff_id = Staff_id

Linked From Tables:

Table Name	Linked Columns
<b>Payment</b>	Rental_id = Rental_id

## Store Table

Table	Relationships	Column	Data Type	Description
Store	 Primary key	Store_id	Serial	Unique identifier for store
	 Foreign key	Manager_staff_id	Smallint	Unique identifier for manager staff
	 Foreign key	Address_id	Smallint	Unique identifier for address
		Last_update	Timestamp(6) without time zone	Last update and time without time zone



Linked to Tables:

Table Name	Linked Columns
<b>Staff</b>	Manager_staff = Staff_id
<b>Address</b>	Address_id = Address_id

Linked from Tables:

None

## Film Actor Table

Table	Relationships	Column	Data Type	Description
Film Actor	 Primary key	Actor_id	Smallint	Unique identifier for Actor
	 Foreign key	Film_id	Smallint	Unique identifier for film
		Last_update	Time stamp (6) without time zone	Last update and time without time zone




Linked to tables:

Table Name	Linked Columns
Actor	Actor_id = Actor_id
Film	Fim_id = Film_id

Linked from tables:

None

### Inventory Table

Table	Relationships	Column	Data Type	Description
Inventory	 Primary key	Inventory_id	Serial	Unique identifier for inventory
	 Foreign key	Film_id	Smallint	Unique identifier for film
	 Foreign key	Store_id	Smallint	Unique identifier for store
		Last_update	Timestamp(6) without time zone	Last update and time without time zone



Linked to Tables:

Table Name	Linked Column
Film	Film_id = Film_id

Linked from Tables:

Table Name	Linked Column
Rental	Rental_id = Rental_id

## Film Category Table

Table	Relationships	Column	Data Type	Description
Film category	 Primary key	Film_id	Smallint	Unique identifier for film
	 Foreign key	Category_id	Smallint	Unique identifier for category
		Last_update	Timestamp(6) without timezone	Last update and time without time zone

Linked to Tables:




Table Name	Linked Columns
<b>Film</b>	Film_id = Film_id
<b>Category</b>	Category_id = Category_id

Linked from Tables:

None



## Customer Table

Table	Relationships	Column	Data Type	Description
Customer	 Primary key	Customer_id	Serial	Unique identifier for customer
	 Foreign key	Store_id	Smallint	Unique identifier for 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 of the customer
	 Foreign key	Address_id	Smallint	Unique identifier for address
		Activebool	Boolean	Tell if customer is active
		Create_date	Date	Date when the customer was created in the system
		Last_update	Timestamp (6) without timezone	Last update and time without time zone
		Active	Integer	Number active




Linked to Tables:

Table Name	Linked Columns
Address	Address_id = Address_id

Linked from Tables:

Table Name	Linked Columns
Rental	Rental_id = Rental_id

## Staff Table

Table	Relationships	Column	Data Type	Description
Staff	 Primary key	Staff_id	Serial	Unique identifier for staff
		First_name	Character varying (45)	First name of the staff
		Last_name	Character varying (45)	Last name of the staff
	 Foreign key	Address_id	Smallint	Unique identifier for the address
		Email	Character varying (50)	Email of the staff
	 Foreign key	Store_id	Smallint	Unique identifier for
		Active	Boolean	Tells if staff is active
		Username	Character varying (16)	Username of the staff
		Password	Character varying (40)	Password of the staff
		Last_update	Timestamp(6) without timezone	Last update and time without time zone
		Picture	Bytea	Picture of the staff


Linked to Tables:

Table Name	Linked Columns
Address	Address_id =Address_id

Linked from tables:

Table Name	Linked Columns
Rental	Rental_id = Rental_id

## Actor Table

Table	Relationships	Column	Data Type	Description
Actor	 Primary key	Actor_id	Serial	Unique identifier for
		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	Last update and time without time zone


Linked to Tables:

None

Linked From Tables:

Table Name	Linked Column
Film_actor	Actor_id = Actor_id

## Film Table

Table	Relationships	Column	Data Type	Description
Film	 Primary key	Film_id	Serial	Unique identifier for film
		Title	Character Varying (255)	The title of the film
		Description	Text	Description of the film
		Release_year	Year	The release year of the film
	 Foreign key	Language_id	Smallint	Unique identifier for language
		Rental_duration	Smallint	The rental duration of the film
		Rental_rate	Numeric (4,2)	The rental rate of the film
		Length	Smallint	The length of the film
		Replacement_cost	Numeric (5,2)	The replacement cost of the film
		Rating	Mpaa_rating	The rating of the film
		Last_update	Timestamp (6) without Time Zone	Last update and time without time zone
		Special_features	Text[]	Special features of the film
		Fulltext	Tsvector	Fulltext index


Linked to Tables:

Table Name	Linked Columns
Language	Language_id = language_id

Linked from Tables:

Table Name	Linked Columns
Film_actor	Film_actor = Film_actor
Film_category	Film_category = Film_category

## Category Table

Table	Relationships	Column	Data Type	Description
category	 Primary key	Category_id	Serial	Unique identifier for category
		Name	Character varying (25)	The name of the category
		Last_update	Timestamp (6) without time zone	Last update and time without time zone


Linked to Tables:

None

Linked from Tables:

Table Name	Linked Column
Film_category	Category_id = Category_id

## Language Table

Table	Relationships	Column	Data Type	Description
Language	 Primary key	Language_id	Serial	Unique identifier for
		Name	Character (20)	The name of the language
		Last_update	Timestamp (6) without timezone	Last update and time without time zone



Linked to Tables:

None

Linked from Tables:

Table Name	Linked Columns
Film	Language_id = Language_id

## Address Table

Table	Relationships	Column	Data Type	Description
Address	 Primary key	Address_id	Serial	Unique identifier for address
		Address	Character varying (50)	First line of an address
		Address 2	Character varying 20	Second line of an address
		District	Character varying 20	The region of an address
	 Foreign key	City_id	Smallint	The city of an address
		Postal_code	Character varying (10)	The postal code for an address
		Phone	Character varying (20)	The phone number for an address

		Last_update	Timestamp (6) without time zone	Last update and time without time zone
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Linked to Tables:

Table Name	Linked Columns
City	City_id = City_id

Linked from Tables:

Table Name	Linked Column
City	City_id = City_id
Customer	Address_id = Address_id

### City Table

Table	Relationships	Column	Data Type	Description
City	 Primary key	City_id	Serial	Unique identifier for city
		City	Character varying (50)	Name of the city
	 Foreign key	Country_id	Smallint	Unique identifier for country
		Last_update	Timestamp (6) without time zone	Last update and time without time zone


Linked to Tables:

Table Name	Linked Columns
Country	Country_id = Country_id

Linked from Tables:

Table Name	Linked Columns
Address	Address_id = Address_id

### Country Table

Table	Relationships	Column	Data Type	Description
Country	 Primary key	Country_id	Serial	Unique identifier for country
		Country	Character Varying (50)	Name of country
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

None

Linked from Tables:

Table Name	Linked Columns
City	City_id = City_id