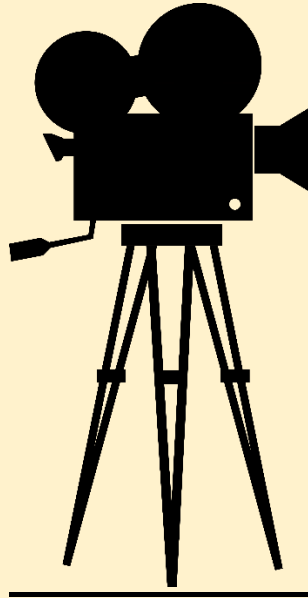


# **Rockbuster Stealth LLC**



## ***Data Dictionary***

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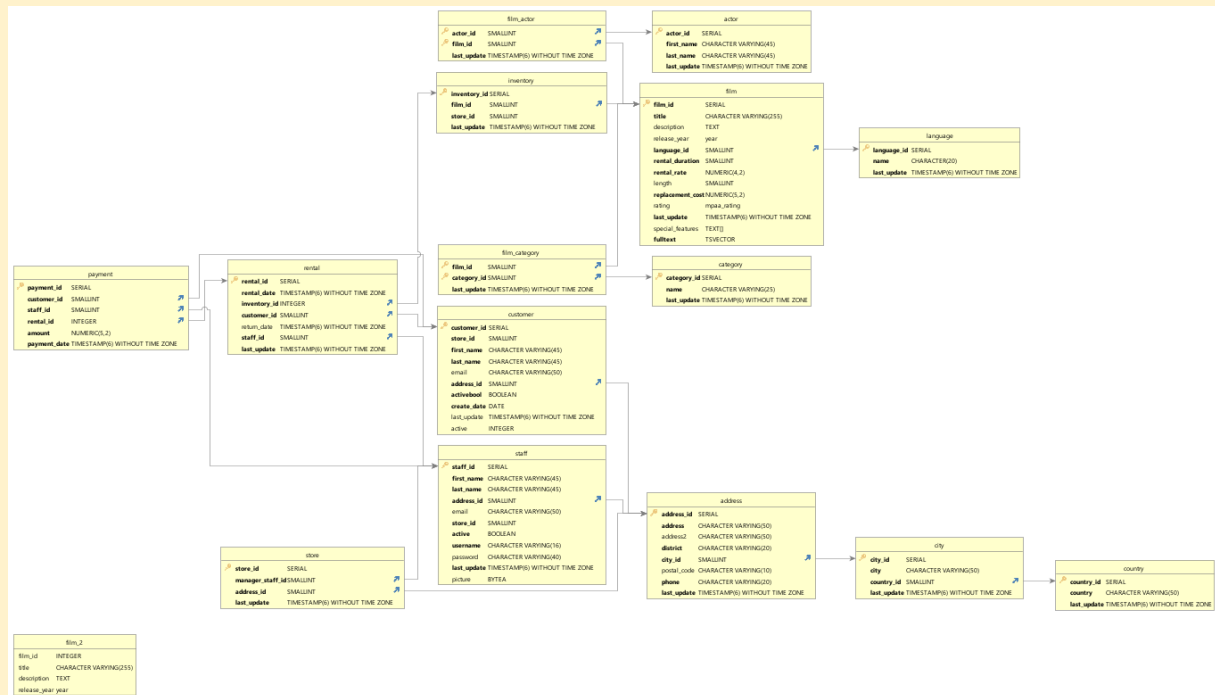
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## 1.1 Entity Relationship Diagram [ERD]










## 1.2 Legend

	<b>Primary Key</b>
	<b>Foreign Key</b>
	<b>Composite Key</b>
	<b>Unique Key</b>
	<b>Primary Key Relation</b>
	<b>Foreign Key Relation</b>
	<b>Composite Key Relation</b>



## Fact Tables

## 2.1 Payment

	Column	Data Type	Description
	payment_id	Serial	Unique Payment Number
	customer_id	Smallint	Unique Customer Number
	staff_id	Smallint	Unique Employee Number
	rental_id	Integer	Unique Transaction(i.e rental) Number
	amount	Numeric	Payment amount
	payment_date	Timestamp(6)without Timezone	Payment Date



Link	Table	Join
	Customer	payment.customer_id = customer.customer_id
	Staff	payment.staff_id = staff.staff_id
	rental	payment.rental_id = rental.rental_id



## Film category

	Column	Data Type	Description
	Film_id	Smallint	Unique Film Number
	Category_id	Smallint	Unique Category Description
	Last_update	Timestamp(6)without Timezone	Last time File was updated



Link	Table	Join
	Film	film_category.film_id = film.film_id
	category	film_category.category_id = category.category_id



## Inventory

	Column	Data Type	Description
	Inventory_id	Serial	Unique Item Number
	Film_id	Smallint	Unique Film Number
	Store_id	Smallint	Unique Store Number
	Last_update	Timestamp(6)without Timezone	Last Time File was updated




Link	Table	Join
	Rental	rental.inventory_id = inventory.inventory_id
	Film	inventory.film_id = film.film_id



## Film actor

	Column	Data Type	Description
	Actor_id	Smallint	Unique Actor Number
	Film_id	Smallint	Unique Film Number
	Last_update	Timestamp(6)without Timezone	Last Time File was updated


Link	Table	Join
	film	film_actor.film_id = film.film_id
	actor	film_actor.actor_id = actor.actor_id

## Store

	Column	Data Type	Description
	Store_id	Serial	Unique Store Number
	Manager_staff_id	Smallint	Unique Manager Number
	Address_id	Smallint	Unique Store Code
	Last_update	Timestamp(6)without Time Zone	Last time the File was updated

Link	Table	Join
	Staff	store.manager_staff_id = staff.staff_id
	adress	store.address_id = address.address_id





## Actor





	Column	Data Type	Description
	Actor_id	Serial	Unique Actor Number
	First_name	Character Varying(45)	Name of Actor
	Last_name	Character Varying(45)	Last Name of Actor
	Last_update	Timestamp(6)without Time Zone	Last time the File was updated

Link	Table	Join
	Film_actor	Film_actor.actor_id=actor.actor_id

## **DIMENSION**



### **Rental**




	<b>Column</b>	<b>Data Type</b>	<b>Description</b>
	<b>Rental id</b>	<b>Serial</b>	<b>Unique Transaction (i.e. rental) Number</b>
	<b>Rental_date</b>	<b>Timestamp(6) without Timezone</b>	<b>Date of rent</b>
	<b>Inventory_id</b>	<b>Integer</b>	<b>Unique Item Number</b>
	<b>Customer_id</b>	<b>Smallint</b>	<b>Unique Customer Number</b>
	<b>Return_date</b>	<b>Timestamp(6) without Timezone</b>	<b>Date of Return</b>
	<b>Staff ID</b>	<b>Smallint</b>	<b>Unique Employee ID</b>
	<b>Last_update</b>	<b>Timestamp(6) without Timezone</b>	<b>Last Status Date/Time of Rent actualisation</b>

<b>Link</b>	<b>Table</b>	<b>Join</b>
	<b>Payment</b>	<b>payment.rental_id = rental.rental_id</b>
	<b>Inventory</b>	<b>rental.inventory_id = inventory.inventory_id</b>
	<b>Customer</b>	<b>rental.customer_id = customer.customer_id</b>
	<b>Staff</b>	<b>rental.staff_id = staff.staff_id</b>









## Customer

	Column	Data Type	Description
	Customer_id	Serial	Unique Customer Number
	Store_id	Smallint	Unique Store Number
	First_name	Character Varying(45)	Customer First Name
	Last_name	Character Varying(45)	Customer Last Name
	Email	Character Varying(50)	Customer Emailaddress
	Address_id	Smallint	Unique Customer Address
	Activebool	Boolean	Csm Activestatus
	Create_date	Date	Signup Date/Time
	Last_update	Timestamp(6)without Timezone	Last Time File was updated
	active	Integer	Activestatus Yes/No



Link	Table	Join
	Payment	payment.customer_id = customer.customer_id
	Rental	rental.customer_id = customer.customer_id
	Address	customer.address_id = address.address_id





## Staff

	Column	Data Type	Description
	staff_id	Serial	Unique Staff Number
	first_name	Character Varying(45)	Employee First Name
	last_name	Character Varying(45)	Employee Last Name
	address_id	Smallint	Employee Address
	email	Character Varying(50)	Employee Emailaddress
	store_id	Smallint	Unique Store Number
	active	Boolean	Active Employee
	username	Character Varying(16)	Employee Login
	password	Character Varying(40)	Employee Login Password
	last_update	Timestamp(6)without Timezone	Last Time File was updated
	picture	Bytea	Picture of Employee


Link	Table	Join
	Store	store.staff_id = staff.staff_id
	Payment	payment.staff_id = staff.staff_id
	Rental	rental.staff_id = staff.staff_id
	address	staff.address_id = address.address_id

## Address

	Column	Data Type	Description
	Address_id	Serial	Adress identification Number
	Address	Character Varying(50)	Adress Description
	Address2	Character Varying(50)	Adress Description
	district	Character Varying(20)	State Provinz
	City_id	Smallint	Unique City Number
	Postal_code	Character Varying(10)	City Postal Code
	Phone	Character Varying(20)	Phonenumber
	Last_update	Timestamp(6)without Timezone	Last Time File was updated


Link	Table	Join
	Customer	customer.address_id = address.address_id
	Staff	staff.address_id = address.address_id
	Store	store.address_id = address.address_id
	City	address.city_id = city.city_id


## Language

	Column	Data Type	Description
	Language_id	Serial	Unique Language associated Number
	Name	Character(20)	Languagename
	Last_update	Timestamp(6)without Timezone	Last Time File was updated



Link	Table	Join
	Film	film.language_id = language.language_id



## Category

	Column	Data Type	Description
	Category_id	Serial	Unique Category Number
	Name	Character Varying(25)	Character Name
	Last_update	Timestamp(6)without Time Zone	Last Time File was updated


Link	Table	Join
	Film_category	film_category.category_id = category.category_id


## City

	Column	Data Type	Description
	City_id	Serial	Unique City Number
	City	Character Varying(50)	Unique City Name
	Country ID	Smallint	Unique Country Number
	Last_update	Timestamp(6)without Timezone	Last Time File was updated



Link	Table	Join
	Address	address.city_id = city.city_id
	Country	city.country_id = country.country_id





## Country

	Column	Data Type	Description
	Country_id	Serial	Unique Country Number
	Country	Character Varying(50)	Country Name
	Last_update	Timestamp(6)without Timezone	Last time File was updated

Link	Table	Join
	City	city.country_id = country.country_id

## Film

	Column	Data Type	Description
	Film_id	Serial	Unique Film Number
	Title	Character Varying(255)	Film Name
	Description	Text	Short Description of Movie Content
	Release_year	Year	Year Movie was released
	Language_id	Smallint	Unique Language associated Number
	Rental_duration	Smallint	Time Movie was rented
	Rental_Rate	Numeric(4,2)	Price Rating
	Length	Smallint	Duration of the movie
	Replacement_Cost	Numeric(5,2)	Purchase Price for Replacing
	Rating	Mpaa_rating	Parental Guidance Rating
	Last_update	Timestamp(6)without Timezone	Last Time File was updated
	Special_features	Text	Description of Special Features within the movie
	Fulltext	TSVector	Keywords (for searches etc.)

Link	Table	Join
	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
	language	film.language_id = language.language_id