

Rockbuster Stealth LLC

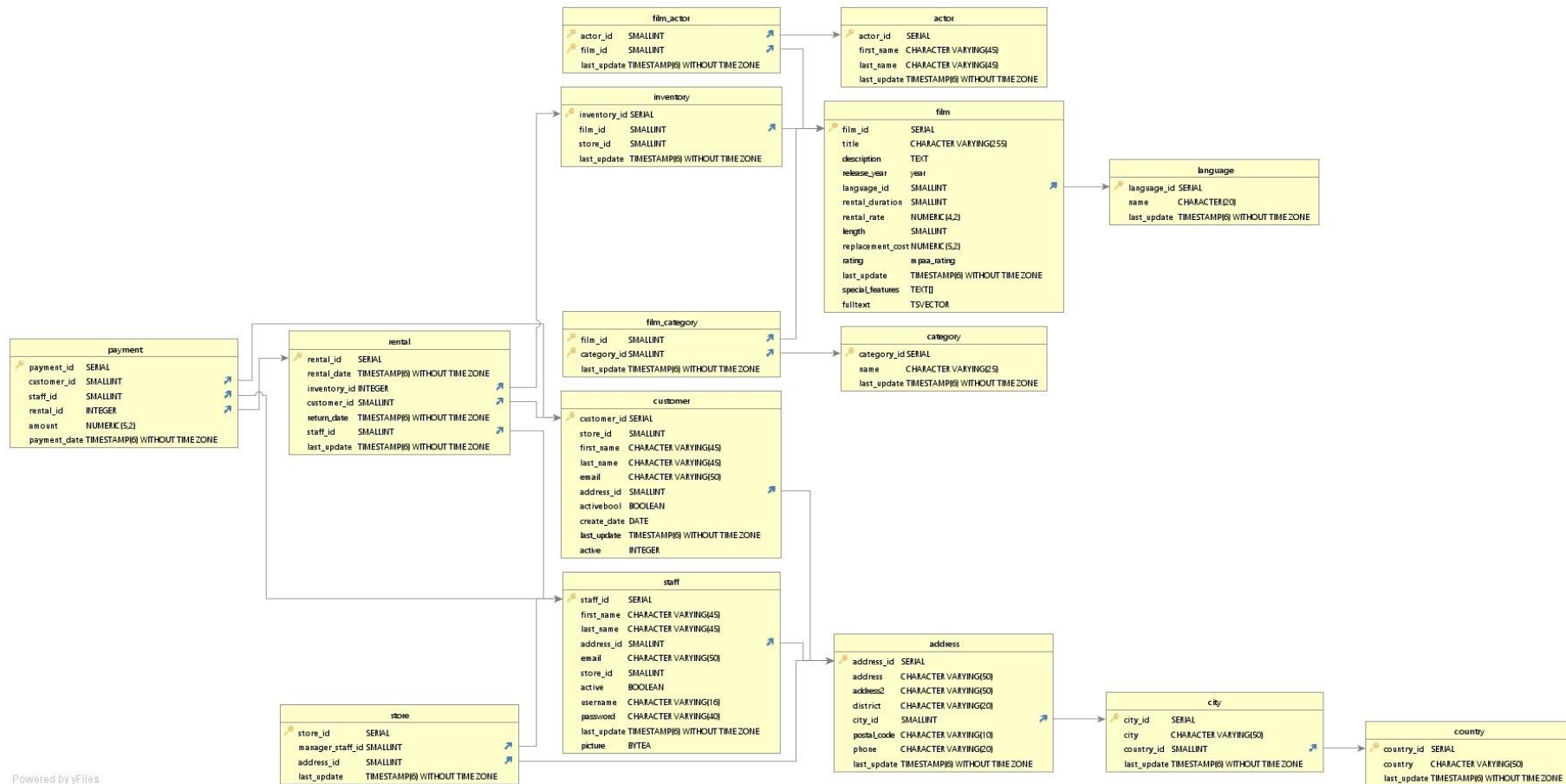
Data Dictionary



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Entity Relationship Diagram (ERD)







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LEGEND

Symbol	Name	Description
	Primary Key	Unique identifier for records in the table
	Foreign Key	Refers to the primary key in another table



Fact Table - Payment

Primary Key	Links From	Column	Data Type	Description	Foreign Key	Links To
		Payment_id	Serial	Number to identify the payment, primary key		
		Customer_id	Smallint	Number to identify the customer, foreign key		Customer
		Staff_id	Smallint	Number to identify the staff, foreign key		Staff
		Rental_id	Integer	Number to identify the rental, foreign key		Rental
		Amount	Numeric (5,2)	Number to describe the amount of the payment		
		Payment_date	Timestamp (6) without time zone	Time format with date and time		




Fact Table - Rental

Primary Key	Links From	Column	Data Type	Description	Foreign key	Links to
	Payment	Rental_id	Serial	Number to identify the rental, primary key		
		Rental_date	Timestamp (6) without time zone	Time format with date and time		
		Inventory_id	Integer	Number to identify the inventory, foreign key		Inventory
		Customer_id	Smallint	Number to identify the customer, foreign key		Customer
		Return_date	Timestamp (6) without time zone	Time format with date and time		
		Staff_id	Smallint	Number to identify the staff, foreign key		
		Last_update	Timestamp (6) without time zone	Time format with date and time		





Fact Table - Inventory

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Rental	Inventory_id	Serial	Number to identify the inventory, primary key		
		Film_id	Smallint	Number to identify the film, foreign key		Film, Film_actor, film_category
		Store_id	Smallint	Number to identify the store		
		Last_update	Timestamp (6) without time zone	Time format with date and time		





Fact Table - Store

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
		Store_id	Serial	Number to identify the store, primary key		
		Manager_staff_id	Smallint	Number to identify the staff manager, foreign key		Staff
		Address_id	Smallint	Number to identify the store's address, foreign key		Staff, Address, Customer
		Last_update	Timestamp (6) without time zone	Time format with date and time		


Fact Table – Film_actor

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
		Actor_id	Smallint	Number to identify the actor, foreign and primary key		Actor
	Inventory, Film_category	Film_id	Smallint	Number to identify the film, foreign and primary key		Inventory, Film_category
		Last_update	Timestamp (6) without time zone	Time format with date and time		



Fact Table – Film_category

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Film_actor, Inventory	Film_id	Smallint	Number to identify the film, foreign and primary key		Film_actor, Inventory
		Category_id	Smallint	Number to identify the category, foreign and primary key		Category
		Last_update	Timestamp (6) without time zone	Time format with date and time		


Dimension Table - Actor

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Film_actor	Actor_id	Serial	Number to identify the actor, primary key		
		First_name	Character Varying (45)	The first name of the actor		
		Last_name	Character Varying (45)	The last name of the actor		
		Last_update	Timestamp (6) without time zone	Time format with date and time		


Dimension Table - Film

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Inventory	Film_id	Serial	Number to identify the film, primary key		Language
		Title	Character Varying (255)	Name of the film		
		Description	Text	Descriptive Information about the film in text form		
		Release_year	Year	The release year of the film		
		Language_id	Smallint	Number to identify the language, foreign key		
		Rental_duration	Smallint	Number to describe the rental duration of the film		
		Rental_rate	Numeric (4,2)	Number to describe the rental rate/price of the film		
		Length	Smallint	Number to describe the length of the film		
		Replacement_cost	Numeric (5,2)	Number to describe the replacement cost if the film gets lost, destroyed, etc.		
		Rating	M paa_rating	The rating of the movie regarding youth protection		
		Last_update	Timestamp (6) without time zone	Time format with date and time		
		Special_features	Text[]	A text about special features of the movie		
		Fulltext	TSVector	Some sort of list containing specific words and a number, but they don't have any pattern to see at first sight		



Dimension Table - Language

Primary Key	Links from	Column	Data Type	Description	Foregin Key	Links to
	Film	Language_id	Serial	Number to describe the language of the film, primary key		
		Name	Character (20)	The name of the language		
		Last_update	Timestamp (6) without time zone	Time format with date and time		



Dimension Table - Category

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Film_category	Category_id	Serial	Number to identify the category of the film, primary key		
		Name	Character Varying (25)	Name of the film's category		
		Last_update	Timestamp (6) without time zone	Time format with date and time		



Dimension Table - Customer

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Payment, Rental	Customer_id	Serial	Number to identify the customer, primary key		
		Store_id	Smallint	Number to identify the 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)	E-mail address of the customer		
		Address_id	Smallint	Number to identify the address of the customer		Address
		Activebool	Boolean	True or false statement of 'Activebool'		
		Create_date	Date	Date of the creation of the customer in the database/website		
		Last_update	Timestamp (6) without time zone	Time format with date and time		
		Active	Integer	Number to describe status of activity of customer		



Dimension Table - Staff

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Payment, Rental, Store	Staff_id	Serial	Number to identify the staff, primary key		
		First_name	Character Varying (45)	First name of the employee		
		Last_name	Character Varying (45)	Last name of the employee		
		Address_id	Smallint	Number to identify the address, foreign key		Customer, Store, Address
		Email	Character Varying (50)	E-Mail-address of the employee		
		Store_id	Smallint	Number to identify the store		
		Active	Boolean	True or false statement of 'Active'		
		Username	Character Varying (16)	Username of the employee account		
		Password	Character Varying (40)	Password of the employee account		
		Last_update	Timestamp (6) without time zone	Time format with date and time		
		Picture	BYTEA	Contains binary data, that might describe a picture in a specific data format		


Dimension Table - Address

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Customer, Staff, Store	Address_id	Serial	Number to identify the address, primary key		
		Address	Character Varying (50)	The first address line of the staff or the customer		
		Address2	Character Varying (50)	The second address line of the staff or the customer		
		District	Character Varying (20)	The district of the address of the customer or staff		
		City_id	Smallint	Number to identify the address's city, foreign key		City
		Postal_code	Character Varying (10)	Postal Code of the address of the customer or staff		
		Phone	Character Varying (20)	Telephone number of the staff or the customer		
		Last_update	Timestamp (6) without time zone	Time format with date and time		

Dimension Table - City

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	Address	City_id	Serial	Number to identify the city of the address, primary key		
		City	Character Varying (50)	The name of the city of the address		
		Country_id	Smallint	Number to identify the country of the address, foreign key		Country
		Last_update	Timestamp (6) without time zone	Time format with date and time		

Dimension Table - Country

Primary Key	Links from	Column	Data Type	Description	Foreign Key	Links to
	City	Country_id	Serial	Number to identify the country of the city, primary key		
		Country	Character Varying (50)	The Name of the country of the city		
		Last_update	Timestamp (6) without time zone	Time format with date and time		