

Rockbuster Stealth



Data Dictionary

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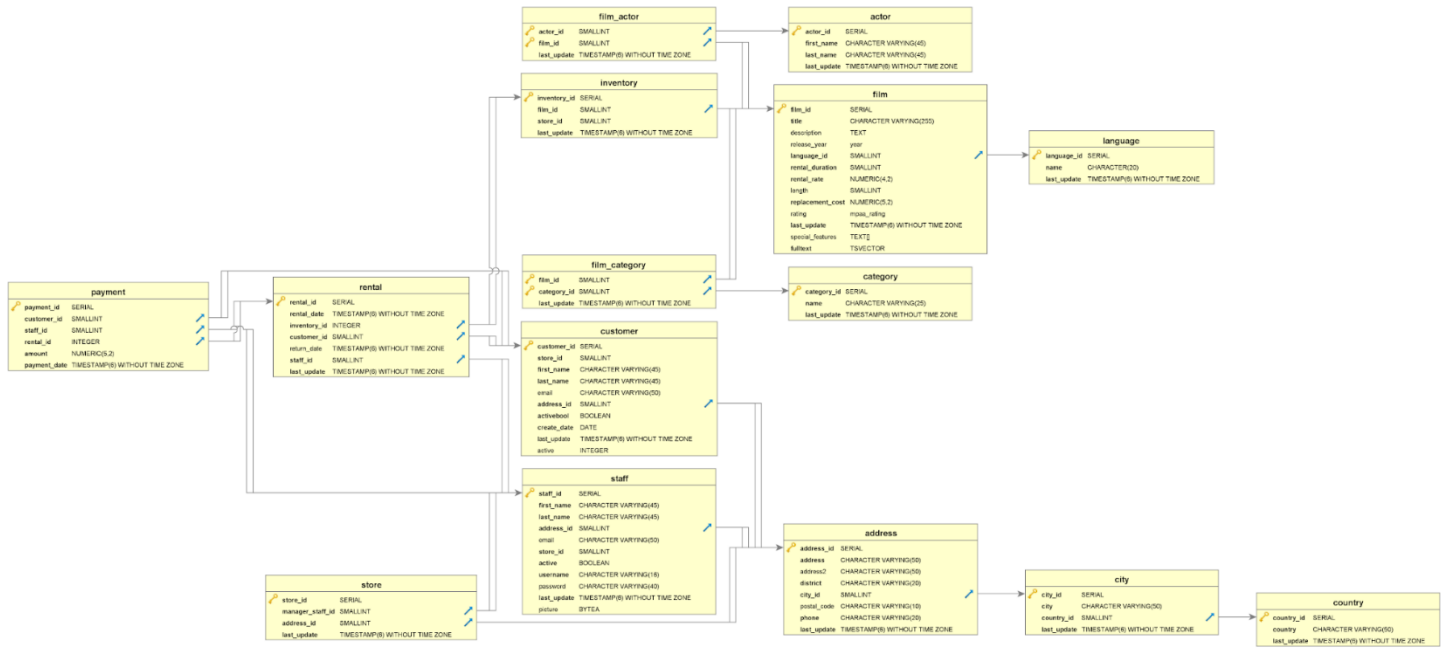
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Legend

Symbol	Name	Description
	Primary Key (PK)	A primary key is a column or set of columns that acts as a unique identifier for each record in a table.
	Foreign Key (FK)	A foreign key is a column, or set of columns, that refers to the primary key in another table.





Entity Relationship Diagram (ERD)






Tables

3.1 Fact Table

3.1.1 Payment Table


	Column Name	Data Type	Description
	payment_id	Integer	Primary key that acts as a unique identifier for payment records
	customer_id	smallint	Foreign key for customer ID that connects to the customer's table primary key
	staff_id	smallint	Foreign key for staff ID that connects to the staff's table primary key
	rental_id	Integer	Foreign key for rental ID that connects to the rental's table primary key
	amount	Numeric	Amount paid in numbers
	payment_date	Timestamp without time zone	Date and time record of when the payment was made

3.1.2 Payment Table



	Column Name	Data Type	Description
	rental_id	Integer	Primary key that acts as a unique identifier for rental records
	rental_date	Timestamp without time zone	Date rental was made
	inventory_id	Integer	Foreign key for inventory ID that connects to the inventory's table primary key
	customer_id	smallint	Foreign key for customer ID that connects to the customer's table primary key.
	return_date	Timestamp without time zone	Date rental was returned
	staff_id	smallint	Foreign key for staff ID that connects to the staff's table primary key.
	last_update	Timestamp without time zone	Date/time record was last updated

3.2 Dimension Table


3.2.1 Actor Table

	Column Name	Data Type	Description
	actor_id	Integer	A primary key that acts as a unique identifier for actor records
	first_name	character varying(45)	Actor's first name
	last_name	character varying(45)	Actor's last name
	last_update	Timestamp without time zone	Date/time record was last updated



3.2.2 Address Table

	Column Name	Data Type	Description
	address_id	Integer	Primary key that acts as a unique identifier for address records
	address	character varying(50)	Address
	address2	character varying(50)	Additional address (optional)
	district	character varying(50)	District Name
	city_id	smallint	Foreign key for City ID that connects to the City's table primary key.
	postal_code	character varying(10)	Postal code
	phone	character varying(20)	Phone number
	last_update	Timestamp without time zone	Date/time record was last updated


3.2.3 Category Table

	Column Name	Data Type	Description
	category_id	Integer	A primary key that acts as a unique identifier for language records
	name	character varying(25)	Film's genre
	last_update	Timestamp without time zone	Date/time record was last updated




3.2.4 City Table

	Column Name	Data Type	Description
	city_id	Integer	Primary key that acts as a unique identifier for city records
	city	character varying(50)	City name
	country_id	smallint	Foreign key for country ID that connects to the country's table primary key.
	last_update	Timestamp without time zone	Date/time record was last updated



3.2.5 Country Table

	Column Name	Data Type	Description
	country_id	Integer	Primary key that acts as a unique identifier for country records
	country	character varying(50)	Country name
	last_update	Timestamp without time zone	Date/time record was last updated


3.2.6 Customer Table

	Column Name	Data Type	Description
	customer_id	Integer	Primary key that acts as a unique identifier for customers records
	store_id	smallint	Unique identifier of store
	first_name	character varying(45)	Customer's first name
	last_name	character varying(45)	Customer's last name
	email	character varying(50)	Customer's email address
	address_id	smallint	Foreign key for address ID that connects to the address's table primary key.
	activebool	boolean	categorize customers as true "active" and false "not active."
	create_date	date	Date the record was created
	last_update	Timestamp without time zone	Date/time record was last updated
	active	Integer	code of the customer active use (1) for active and (0) for not active.




3.2.7 Film Table

	Column Name	Data Type	Description
	film_id	Integer	A primary key that acts as a unique identifier for film records
	title	character varying(255)	Film name
	description	text	Film description
	release_year	Integer	the year the film was released
	language_id	smallint	The foreign key for language ID connects to the language's table primary key.
	rental_duration	smallint	number of days the film was rented.
	rental_rate	numeric	film rating (out of 5)
	length	smallint	film length in min
	replacement_cost	numeric	cost of film replacement
	rating	USER-DEFINED	age restrictions (e.g., PG-13)
	last_update	Timestamp without time zone	Date/time record was last updated
	special_features	ARRAY	videos related to the film (e.g., trailers)
	fulltext	tsvector	a string of text into tokens that are used for searching.




3.2.8 Language Table

	Column Name	Data Type	Description
	language_id	Integer	A primary key that acts as a unique identifier for language records
	name	character varying(20)	Film's language
	last_update	Timestamp without time zone	Date/time record was last updated



3.2.9 Staff Table

	Column Name	Data Type	Description
	staff_id	Integer	Primary key that acts as a unique identifier for staff records
	first_name	character varying(45)	First name of staff member
	last_name	character varying(45)	Last name of staff member
	address_id	smallint	Foreign key for address ID that connects to the address's table primary key.
	email	character varying(50)	Email address of staff member
	store_id	smallint	Unique identifier for the store
	active	boolean	Categorize staff as true "active" and false "not active."
	username	character varying(16)	Username of the staff account
	password	character varying(40)	Password of the staff account
	last_update	Timestamp without time zone	Date/time record was last updated
	picture	bytea	staff's account profile picture.



3.2.10 Store Table

	Column Name	Data Type	Description
	store_id	Integer	Primary key that acts as a unique identifier for store records
	manager_staff_id	smallint	Foreign key for manager staff ID that connects to the staff's table primary key.
	address_id	smallint	Foreign key for address ID that connects to the address's table primary key
	last_update	Timestamp without time zone	Date/time record was last updated




3.2.11 Film_Actor Table

	Column Name	Data Type	Description
	actor_id	smallint	The foreign key for actor ID connects to the actor's table primary key
	film_id	smallint	The foreign key for film ID connects to the film's table primary key.
	last_update	Timestamp without time zone	Date/time record was last updated

3.2.12 Film_Catagory Table

	Column Name	Data Type	Description
	film_id	smallint	The foreign key for film ID connects to the film's table primary key.
	category_id	smallint	The foreign key for category ID connects to the category's primary key
	last_update	Timestamp without time zone	Date/time record was last updated

3.2.13 Inventory Table

	Column Name	Data Type	Description
	inventory_id	Integer	A primary key that acts as a unique identifier for inventory records
	film_id	smallint	The foreign key for film ID connects to the film's table primary key
	store_id	smallint	Unique identifier for the store
	last_update	Timestamp without time zone	Date/time record was last updated