



ROCKBUSTER STEALTH LLC

Data Dictionary

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Legend



Primary Key



Primary Key relation from



Foreign Key



Foreign Key relation to

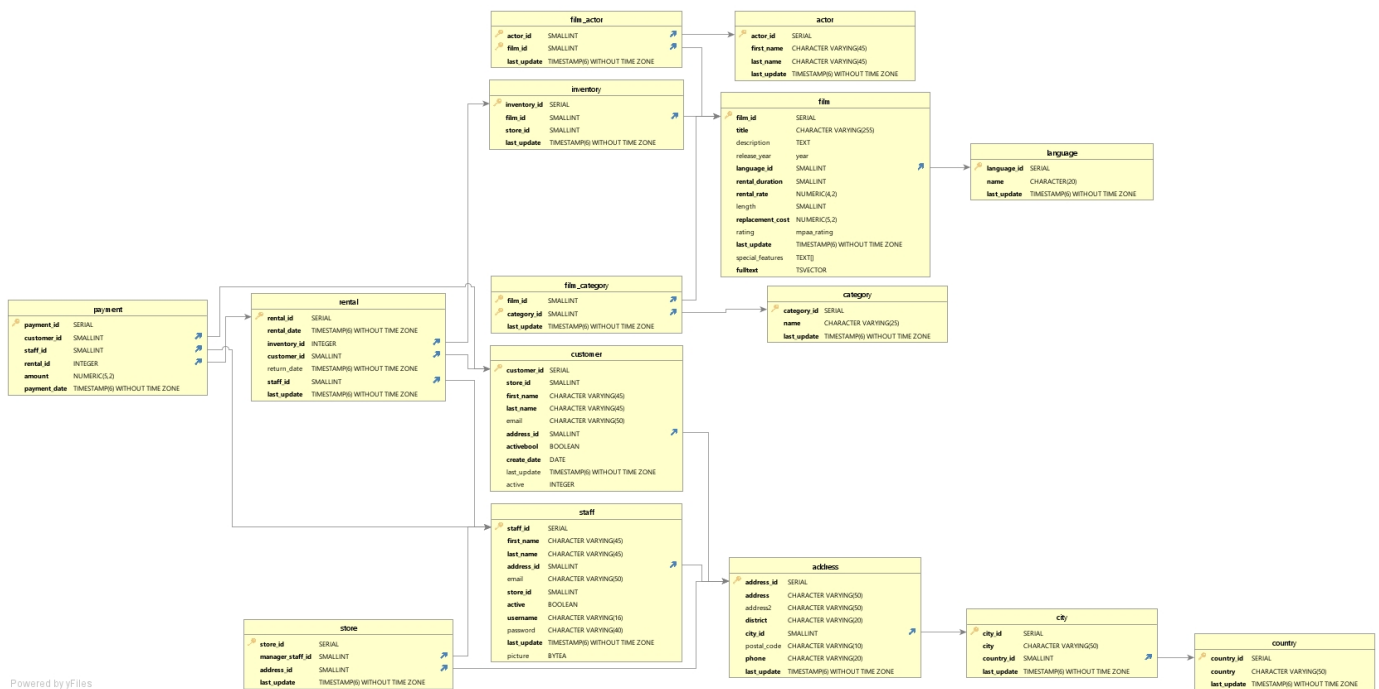


Compound Key



Compound Key relation with





1. Entity Relationship Diagram (ERD)






2. Fact tables

2.1 Payment

Columns




Key	Column	Data Type	Description
	payment_id	SERIAL	Automatically generated identification number to individual payment
	customer_id	SMALLINT	Unique identification number assigned to individual customer
	staff_id	SMALLINT	Unique identification number assigned to individual staff member
	rental_id	INTEGER	Unique identification number assigned to individual rental
	amount	NUMERIC(5.2)	Total amount paid
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Links to



Key	Table	Join
	customer	payment.customer_id = customer.customer_id
	staff	payment.staff_id = staff.staff_id
	rental	payment.rental_id = rental.rental_id

2.2 Store

Columns



Key	Column	Data Type	Description
	store_id	SERIAL	Automatically generated identification number to individual store
	manager_staff_id	SMALLINT	Unique identification number assigned to individual store manager
	address_id	SMALLINT	Unique identification number assigned to individual store address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Links to

Key	Table	Join
	staff	store.manager_staff_id = staff.staff_id
	address	store.address_id = address_id



2.3 Film_category

Columns

Key	Column	Data Type	Description
	film_id	SMALLINT	Unique identification number assigned to individual film
	category_id	SMALLINT	Unique identification number assigned to individual genre
	last_update	TIMESTAMP (6)	Autogenerated latest updated



		WITHOUT TIME ZONE	date
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Linked with



Key	Table	Join
	film	film_category.film_id = film.film_id
	category	film_category.category_id = category.category_id

2.4 film_actor

Columns



Key	Column	Data Type	Description
	actor_id	SMALLINT	Unique identification number assigned to individual actor
	film_id	SMALLINT	Unique identification number assigned to individual film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked with


Key	Table	Join
	film	film_actor.film_id = film.film_id
	actor	film_actor.actor_id = category.actor_id

2.5 Inventory


Columns

Key	Column	Data Type	Description
	inventory_id	SMALLINT	Unique identification number assigned to individual item
	film_id	SMALLINT	Unique identification number assigned to individual film
	store_id	SMALLINT	Unique identification number assigned to individual store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from

Key	Table	Join
	rental	rental.inventory_id = inventory.inventory_id


Linked to

Key	Table	Join
	film	Inventory.film_id = film.film_id


3. Dimension tables

3.1 Category

Columns


Key	Column	Data Type	Description
	category_id	SERIAL	Automatically generated identification number to individual genre
	name	CHARACTER VARYING (25)	Genre's name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from


Key	Table	Join
	film_category	film_category.category_id = category.category_id

3.2 Language

Columns



Key	Column	Data Type	Description
	language_id	SERIAL	Automatically generated identification number to individual language
	name	CHARACTER (20)	Language's name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from




Key	Table	Join
	film	film.language_id = language.language_id

3.3 Film


Columns

Key	Column	Data Type	Description
	film_id	SERIAL	Automatically generated identification number to individual film
	title	CHARACTER VARYING (255)	Film's title
	description	TEXT	Film's brief introduction
	release_year	year	Film released year
	language_id	SMALLINT	Unique identification number assigned to individual language
	rental_duration	SMALLINT	Number of days film is rented
	rental_rate	NUMERIC (4.2)	The price the film rental cost
	length	SMALLINT	Length of film in minutes
	replacement_cost	NUMERIC (5.2)	The sum of cost to replace a lost or damaged film
	rating	mpaa_rating	Age rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date
	special_features	TEXT[]	Special features included in the film such as deleted scenes
	fulltext	TSVECTOR	Keywords associated with the film

Linked from



Key	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

Linked to




Key	Table	Join
	language	Film.language_id = language.language_id

3.4 Staff

Columns


Key	Column	Data Type	Description
	staff_id	SERIAL	Automatically generated identification number to individual employee
	first_name	CHARACTER VARYING (45)	First name of employee
	last_name	CHARACTER VARYING (45)	Last name of employee
	addresss_id	SMALLINT	Unique identification number assigned to individual employee's address
	email	CHARACTER VARYING (50)	Employee's email
	store_id	SMALLINT	Unique identification number assigned to individual store
	active	BOOLEAN	Is employee active? True or False
	username	CHARACTER VARYING (16)	Employee's username
	password	CHARACTER VARYING (40)	Employee's password
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date
	picture	BYTEA	Employee's picture

Linked from

Key	Table	Join
	rental	rental.staff_id = staff.staff_id
	payment	payment.staff_id = staff.staff_id
	store	store.staff_id = staff.staff_id_id



Linked to

Key	Table	Join
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	address	staff.address_id = address.address_id
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3.5 Customer


Columns

Key	Column	Data Type	Description
	customer_id	SERIAL	Automatically generated identification number to individual customer
	store_id	CHARACTER VARYING (45)	Unique identification number assigned to individual store
	first_name	CHARACTER VARYING (45)	First name of customer
	last_name	SMALLINT	Last name of customer
	email	CHARACTER VARYING (50)	Customer's email
	address_id	SMALLINT	Number assigned to customer's address
	activebool	BOOLEAN	Is the customer active? True or False
	creat_date	CHARACTER VARYING (16)	Date customer profile was created
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date
	active	INTEGER	Is the customer active? 0 or 1

Linked from


Key	Table	Join
	payment	payment.customer_id = customer.customer_id
	rental	rental.customer_id = customer.customer_id

Linked to


Key	Table	Join
	address	customer.address_id = address.address_id

3.6 Actor

Columns





Key	Column	Data Type	Description
	actor_id	SERIAL	Automatically generated identification number to individual actor
	first_name	CHARACTER VARYING (25)	First name of actor
	last_name	CHARACTER VARYING (25)	Last name of actor
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from


Key	Table	Join
	film_actor	actor.actor_id = film_actor.actor_id

3.7 Rental




Columns

Key	Column	Data Type	Description
	rental_id	SERIAL	Automatically generated identification number to individual rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when the rental was proceeded
	inventory_id	INTEGER	Unique identification number assigned to individual item
	customer_id	SMALLINT	Unique identification number assigned to individual customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date when the rental was returned
	staff_id	SMALLINT	Unique identification number assigned to individual employee
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from



Key	Table	Join
	payment	payment.rental_id = rental.rental_id

Links to




Key	Table	Join
	inventory	rental.inventory_id = inventory.inventory_id
	customer	rental.customer_id = customer.customer_id
	staff	rental.staff_id = staff.staff_id

3.8 Address


Columns

Key	Column	Data Type	Description
	address_id	SERIAL	Automatically generated identification number to individual address
	address	CHARACTER VARYING (50)	Main address
	address2	CHARACTER VARYING (50)	Supplementary address
	district	CHARACTER VARYING (20)	district
	city_id	SMALLINT	Unique identification number assigned to individual city
	postal_code	CHARACTER VARYING (10)	Postal code
	phone	CHARACTER VARYING (20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from



Key	Table	Join
	customer	customer.address_id = address.address_id
	staff	staff.address_id = address.address_id
	store	store.address_id = address.address_id

Linked to


Key	Table	Join
	city	address.city_id = city.city_id

3.9 City


Columns

Key	Column	Data Type	Description
	city_id	SERIAL	Automatically generated identification number to individual city
	city	CHARACTER VARYING (50)	City's name
	country_id	SMALLINT	Unique identification number assigned to individual country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from


Key	Table	Join
	address	address.city_id = city.city_id

Linked to


Key	Table	Join
	country	city.country_id = country.country_id

3.10 Country

Columns

Key	Column	Data Type	Description
	country_id	SERIAL	Automatically generated identification number to individual country
	country	CHARACTER VARYING (50)	Country's name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Autogenerated latest updated date

Linked from

Key	Table	Join
	city	city.country_id = country.country_id