Rockbuster

Data Dictionary
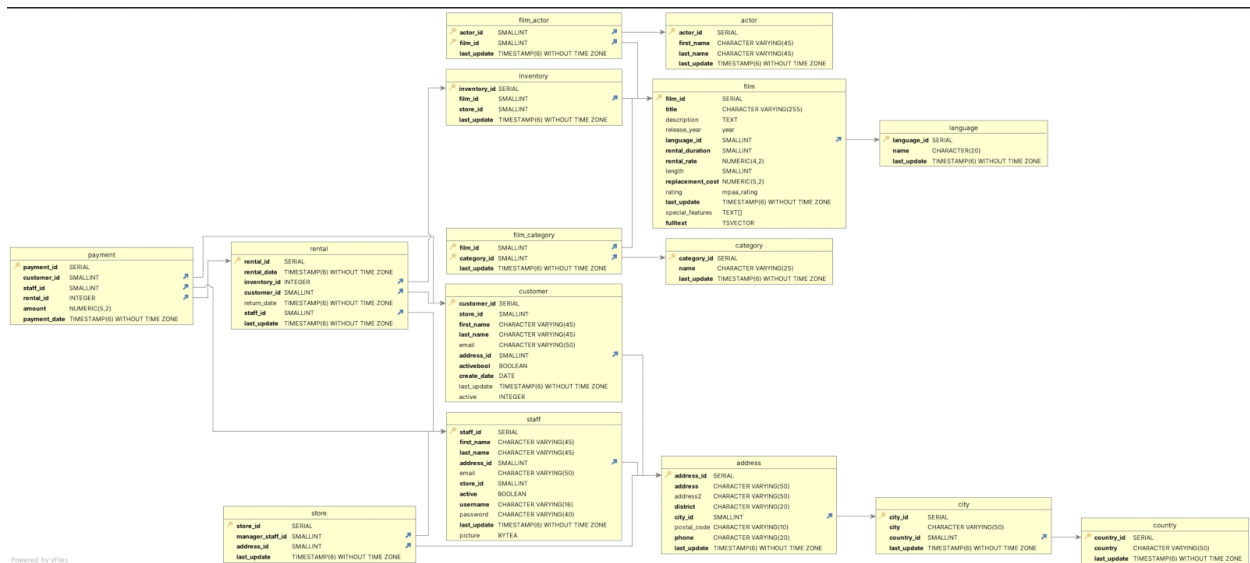
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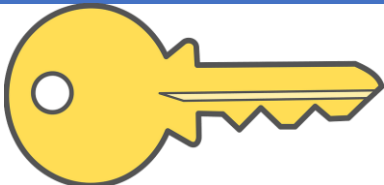
Table of Contents:

Rockbuster Entity Relationship Diagram (ERD)

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Legend Key

Symbol	Meaning
	Primary Key
	Forgein Key

Fact Tables:

Payment Table

	Column	Data Type	Description
	Payment_id	Serial	Unique number to payment info
	Customer_id	SMALLINT	Unique number to customer info

	Staff_id	SMALLINT	Unique number to staff info
🔑	Rental_id	INTEGER	Unique number to rental info
	Amount	NUMERIC (5,2)	Amount paid
	Payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Year, month, date and time when it was paid

Links to:

Table name	Join
Customer	payment.customer_id = customer.customer_id
Rental	payment.rental_id = rental.rental_id
Staff	payment.staff_id = staff_staff_id

Rental Table

	Coulmn	Data Type	Description
🔑	Rental_id	Serial	Unique number to rental info
	Rental_date	Timestamp (6) without time zone	Year, month, date, and time of rent date
🔑	Inventory_id	Integer	Unique number to inventory info
🔑	Customer_id	SMALLINT	Unique number to customer info

	Return_date	Timestamp (6) Without time zone	Year, month, date, and time of return date
🔑	Staff_id	SMALLINT	Unique number to staff info
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links to:

Table	Join
Inventory	rental.inventory_id=inventory.inventory_id
Customer	rental.customer_id=customer.customer_id
Staff	rental.staff_id=staff.staff_id

Links From:

Table	Join
Payment	payment.rental_id=rental.rental_id

Dimension Tables:

Store Table

	Coulmn	Data Type	Description
🔑	Store_id	Serial	Unique number to store
🔑	Manger_staff_id	SMALLINT	Unique number to manger info
🔑	Address_id	SMALLINT	Unique number for store address
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links to:

Table	Join
Staff	store.staff_id=staff.staff_id
Address	store.address_id=address.address_id

Links From:

Table	Join
Customer	customer.store_id= store.store_id
Staff	staff.store_id=store.store_id
Inventory	inventory.store_id= store.store_id

Flim Actor Table

	Column	Data Type	Description
	actor_id	SMALLINT	Unique number to actor info
	Film_id	SMALLINT	Unique number to film
	Last_updated	Timestamp (6) without time zone	Year, month, date, and time of last update

Links to:

Table	Join
Actor	actor.actor_id=film_actor.actor_id
Film	film.film_id=film_actor.film.id

Inventory Table

	Column	Data Type	Description
	Inventory_id	Serial	Unique number to inventory info
	Film_id	SMALLINT	Unique number to film info
	Store_id	SMALLINT	Unique number to store
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links to:

Table	Join

Film	inventory.film_id=film.film_id
Store	inventory.store_id=store.store_id

Links From:

Table	Join
Rental	rental.inventory_id=inventory.inventory_id

Film Category Table

	Column	Data Type	Description
🔑🔑	Film_id	SMALLINT	Unique number to film info
🔑🔑	Category_id	SMALLINT	Unique number to category info
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links to:

Table	Joins
Film	film_category.film_id=film.film_id
Category	film_category.store_id=category.store_id

Customer Table

	Column	Data Type	Description
🔑	Customer_id	Serial	Unique number to customer info
🔑	Store_id	SMALLINT	Unique number to store info
	First_name	Char VAr (45)	Customer's first name

	Column	Data Type	Description
	Last_name	Char Var (45)	Customer's last name
	email	Char Var (50)	Customer's email
🔑	Address_id	SMALLINT	Unique number to address info
	activebool	BOOLEAN	True or false if customer is active
	Create_date	Date	Year, month, and date of when customer was entered
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update
	active	Integer	Account activity

Links to:

Table	Join
Address	customer.address_id=address.address_id
Store	customer.store_id=store.store_id

Links From:

Table	Join
Rental	rental.customer_id=customer.customer_id
Payment	payment.customer_id=customer.customer_id

Staff Table

	Column	Data Type	Description
🔑	Staff_id	Serial	Unique number to staff info
	First_name	Char Var (45)	Staff's first name
	Last_name	Char Var (45)	Staff's last name
🔑	Address_id	SMALLINT	Unique number to address info
	email	Char Var (50)	Staff's email
	Store_id	SMALLINT	Unique number to store info
	active	BOOLEAN	True or false if staff is active
	username	Char Var (16)	Staff's username
	password	Char Var (40)	Staff's password
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update
	picture	BYTEA	Picture of staff

Links to:

Table	Join
Address	staff.address_id=address.address_id

Links From:

Table	Join
Payment	payment.staff_id=staff.staff_id
Rental	rental.customer_id=rental.customer_id
Store	store.manager_staff_id=staff.staff_id

Actor Table

	Column	Data Type	Description
🔑	Actor_id	serial	Unique number to actor info
	First_name	Char Var (45)	Actor's first name
	Last_name	Char Var (45)	Actor's last name
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links From:

Table	Join
Film_Actor	film.actor.actor_id=actor.actor_id

Film Table

	Column	Data Type	Description
🔑	Film_id	serial	Unique number to film info
	title	Char var (255)	Film's title
	description	text	Description of film
	Release_year	year	Year when film came out
🔑	Language_id	SMALLINT	Unique number to language info
	Rental_duration	SMALLINT	How long it was rented
	Rental_date	Numberic (4,2)	When it was rented
	length	SMALLINT	Film's length
	Replacement_cost	Numberic (5,2)	Cost to replace film

rating	Mpaa_rating	Film's rating
Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update
Special_features	Text []	Description of special features
Fulltext	TSVECTOR	Amount of text in film

Links to:

Table	Join
Language	film.language_id=language.language_id

Links From:

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

Category Table

	Column	Data Type	Description
🔑	Catergory_id	serial	Unique number to category info
	Name	Char var (25)	Name of catergory
	last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links From:

Table	Join
Film_category	film_category.category_id=category.category_id

Address Table

	Column	Data Type	Description
🔑	Address_id	serial	Unique number to address info
	address	Char var (50)	address
	address2	Char var (50)	Backup address
	district	Char var (20)	district
🔑	City_id	SMALLINT	Unique number to city info
	Post_code	Char var (10)	Post code

	phone	Char var (20)	Phone number
	Last_update	Timestamp (6) without time zone	Year, month, date, and time of last update

Links to:

Table	Join
City	address.city_id=city.city_id

Links From:

Table	Join
Customer	customer.address_id=address.address_id
Staff	staff.address_id=address.address_id
Store	store.address_id=address.address_id

Language Table

	Column	Data Type	Description
🔑	Language_id	serial	Unique number to language info
	Name	Char (20)	Name of language
	Last_updated	Timestamp (6) without time zone	Year, month, date, and time of last update

Links From:

Table	Join
Film	film.language_id=language.language_id

City Table

	Column	Data Type	Description
🔑	City_id	serial	Unique number to city info
	city	Char var (50)	City name
🔑	Country_id	SMALLINT	Unique number to country info
	Last_updated	Timestamp (6) without time zone	Year, month, date, and time of last update d

Links to:

Table	Join
Country	city.country_id=country.country_id

Links From:

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

Country Table

	Column	Data Type	Description
🔑	Country_id	serial	Unique number to country info
	country	Char va (50)	Name of country
	Last_updated	Timestamp 96) without time zone	Year, month, date, and time of last update ed

Links From:

Table	Join
City	city.country_id=country.country_id