Rockbuster Data Dictionary

Ess Issov

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FACT TABLES

- Payment Table
- Rental Table

🔑 Primary Key
🔑 Foreign Key

Payment Table

🔑	Column	Data Type	Description
🔑	payment_id	SERIAL	Unique identifier for payment
🔑	customer_id	SMALLINT	Unique identifier for customer
🔑	staff_id	SMALLINT	Unique identifier for staff
🔑	rental_id	INTEGER	Unique identifier for rental
	amount	NUMERIC(5,2)	Amount in numerical value
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Payment date and time, timestamped w/o time zone

Links To

Table	Join	Description
Customer	payment.customer_id=customer.customer_id	Foreign key constraint that references Customer table
Staff	payment.staff_id=staff.staff_id	Foreign key constraint that references Staff table
Rental	payment.rental_id=rental.rental_id	Foreign key constraint that references Rental table

Links From
N/A

Unique Keys

🔑	Columns	Description
🔑	payment_id	Unique identifier for payment
🔑	customer_id	Unique identifier for customer
🔑	staff_id	Unique identifier for staff
🔑	rental_id	Unique identifier for rental

Rental Table

	Column	Data Type	Description
🔑	rental_id	SERIAL	Unique identifier for rental
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Rental date and time, timestamped w/o time zone
🔑	inventory_id	INTEGER	Unique identifier for inventory
🔑	customer_id	SMALLINT	Unique identifier for customer
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Return date and time, timestamped w/o time zone
🔑	staff_id	SMALLINT	Unique identifier for staff
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update with timestamp w/o time zone

Links To

Table	Join	Description
inventory_id	rental.inventory_id=inventory. inventory_id	Foreign key constraint that references Inventory table
customer_id	rental.customer_id=customer. customer_id	Foreign key constraint that references Customer table
staff_id	rental.staff_id=staff.staff_id	Foreign key constraint that references Staff table

Links From

Table	Join	Description
payment	rental.rental_id=payment.rent al_id	Foreign key constraint that references payment table

Unique Keys

	Columns	Description
🔑	rental_id	Unique identifier for rental
🔑	inventory_id	Unique identifier for inventory
🔑	customer_id	Unique identifier for customer
🔑	staff_id	Unique identifier for staff

DIMENSION TABLES

- Actor Table
- Address Table
- Category Table
- City Table
- Country Table
- Customer Table
- Film Table
- Film_actor Table
- Film_category Table
- Inventory Table
- Language Table
- Staff Table
- Store Table

🔑 Primary Key
🔑 Foreign Key

Actor Table

	Column	Data Type	Description
🔑	actor_id	SERIAL	Unique identifier for actor
	first_name	CHARACTER VARYING (45)	First name of actor
	last_name	CHARACTER VARYING (45)	Last name of actor
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update with timestamp without

			time zone

Links To
N/A

Links From

Table	Join	Description
film_actor	actor.actor_id=film_actor.actor_id	Foreign key restraint that references film_actor table

Unique Keys

	Column	Description
🔑	actor_id	Unique identifier for actor

Address Table

	Column	Data Type	Description
🔑	address_id	SERIAL	Unique identifier for address
	address	CHARACTER VARYING (50)	Character of address
	address2	CHARACTER VARYING (50)	Character of address2
	district	CHARACTER VARYING (20)	Character of district
🔑	city_id	SMALLINT	Unique identifier for city
	postal_code	CHARACTER VARYING (10)	Character for postal code
	phone	CHARACTER VARYING (20)	Character (numeric) of phone number
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update with timestamp without time zone

Links To

Table	Join	Description
City	city.city_id=address.city_id	Foreign key that references the city table

Links From

Table	Join	Description

Customer	address.customer_id=customer.customer_id	Foreign key that references the Customer table
Staff	address.staf_id=staff.staff_id	Foreign key that references the Customer table
Store	address.store_id=store.store_id	Foreign key that references the Store table

Unique Keys

	Column	Description
🔑	address_id	Unique identifier for address
🔑	city_id	Unique identifier for city

Category Table

	Column	Data Type	Description
🔑	category_id	SERIAL	Unique identifier for category
	name	CHARACTER VARYING (25)	Name of category
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update with time stamp w/o time zone

Links To
N/A

Links From

Table	Join	Description
film_category	category.category_id=film_category.category_id	Foreign key that references the Film Category table

Unique Keys

	Column	Description
🔑	category_id	Unique identifier for category

City Table

	Column	Data Type	Description
🔑	city_id	SERIAL	Unique identifier for city
	city	CHARACTER VARYING (50)	Name of the city
🔑	country_id	SMALLINT	Unique identifier for country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update with timestamp without time zone

Links To

Table	Join	Description
Country	city.country_id=country.country_id	Foreign key that references the Country table

Links From

Table	Join	Description
Address	address.city_id=city.city_id	Foreign key that references the Address table

Unique Keys

	Columns	Description
🔑	city_id	Unique identifier for City table
🔑	country_id	Unique identifier for Country table

Country Table

	Column	Data Type	Description
🔑	country_id	SERIAL	Unique identifier for country
	country	CHARACTER VARYING(50)	Name of country
	last_update	TIMESTAMP(5)WITHOUT TIME ZONE	Last update with timestamp without time zone

Links To
N/A

Table	Join	Description
City	country.country_id=city.country_id	Foreign key that references the City table

Unique Keys

	Columns	Description
🔑	country_id	Unique identifier for country

Customer Table

	Column	Data Type	Description
🔑	customer_id	SERIAL	Unique identifier for customer
	store_id	SMALLINT	Unique identifier for store
	first_name	CHARACTER VARYING(45)	First name of customer
	last_name	CHARACTER VARYING (45)	Last name of customer
	email	CHARACTER VARYING(50)	Email of customer
🔑	address_id	SMALLINT	Unique identifier for address
	activebool	BOOLEAN	Status of whether the customer is active or not
	create_date	DATE	Date of when customer was created in the system
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Last update with timestamp w/o time zone
	active	INTEGER	number

Links To

Table	Join	Description
Address	customer.address_id=address.address_id	Foreign key that references Address table

Links From

Table	Join	Description
Rental	rental.customer_id=customer.customer_id	Foreign key that references Rental table
Payment	payment.customer_id=customer.customer_id	Foreign key that references Payment table

Unique Key

	Columns	Description
🔑	**customer_id**	**Unique identifier for customer**
🔑	**address_id**	**Unique identifier for address**

Film Table

	Column	Data Type	Description
🔑	film_id	SERIAL	Unique identifier for film
	title	CHARACTER VARYING(255)	Title of film
	description	TEXT	Description of film
	release_year	year	Year of film release
🔑	language_id	SMALLINT	Language of film
	rental_duration	SMALLINT	Duration of film rental
	rental_rate	NUMERIC(4,2)	Rental rate of film
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC(5,2)	Cost of film
	rating	mpaa_rating	Rating of film
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	
	special_features	TEXT	Special features of film
	fulltext	TSVECTOR	The index type, full text index

Link To

Table	Join	Description
Language	film.language_id=language.language_id	Foreign key referencing Language table

Link From

Table	Join	Description
film_actor	film_actor.film_id=film.film_id	Foreign key referencing Film table
inventory	inventory.film_id=film.film_id	Foreign key referencing Film table
film_category	film_category.film_id=film.film_id	Foreign key referencing film_category table

Unique Keys

	Columns	Description
🔑	film_id	Unique identifier for film
🔑	language_id	Unique identifier for language

Film_Actor Table

	Column	Data Type	Description
🔑🔑	actor_id	SMALLINT	Unique identifier for actor
🔑🔑	film_id	SMALLINT	Unique identifier for film
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Last update with timestamp w/o time zone

Links To

Table	Join	Description
Actor	actor.actor_id=film_actor.actor_id	Foreign key referencing Actor table

Links From
N/A

Unique Keys

	Columns	Description

	Column	Data Type	Description
🔑🔑	actor_id		Unique identifier for actor
🔑🔑	film_id		Unique identifier for film

Film_Category Table

	Column	Data Type	Description
🔑🔑	film_id	SMALLINT	Unique identifier for film
🔑🔑	category_id	SMALLINT	Unique identifier for category
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Last update with timestamp w/o time zone

Links To

Table	Join	Description
Film	film_category.film_id=film.film_id	Foreign key referencing film table
Category	film_category.categor_id=category.category_id	Foreign key referencing Category Table

Links From
N/A

Unique Keys

	Columns	Description
🔑🔑	film_id	Unique identifier for film
🔑🔑	category_id	Unique identifier for category

Inventory Table

	Column	Data Type	Description
🔑	inventory_id	SERIAL	Unique identifier for inventory
🔑	film_id	SMALLINT	Unique identifier for film
	store_id	SMALLINT	Unique identifier for store
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Last update with timestamp w/o time zone

Links To

Table	Join	Description
film	inventory.film_id=film.film_id	Foreign key referencing film table

Links From

Table	Join	Description
rental	inventory.inventory_id=rental. inventory_id	Foreign key referencing rental table

Unique Keys

	Columns	Descriptions
🔑	inventory_id	Unique identifier for inventory table
🔑	film_id	Unique identifier for film table

Language Table

	Column	Data Type	Description
🔑	language_id	SERIAL	Unique identifier for language
	name	CHARACTER(20)	Name of language
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Last update with timestamp without time zone

Links To
N/A

Links From

Table	Join	Description
Film	language.language_id=film.la nguage_id	Foreign key referencing film table

Unique Keys

	Columns	Description
🔑	language_id	Unique identifier for language table

Staff Table

	Column	Data Type	Description
🔑	staff_id	SERIAL	Unique identifier for staff
	first_name	CHARACTER VARYING(45)	First name of staff
	last_name	CHARACTER VARYING(45)	Last name of staff
🔑	address_id	SMALLINT	Address of staff
	email	CHARACTER VARYING(50)	Email of staff
	store_id	SMALLINT	Unique id of store
	active	BOOLEAN	Status of whether the staff is active or not
	username	CHARACTER VARYING(16)	Username of staff
	password	CHARACTER VARYING(40)	Password of staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update with timestamp w/o time zone
	picture	BYTEA	Picture of staff

Link To

Table	Join	Description
Address	staff.address_id=address.address_id	Foreign key referencing the address table

Links From

Table	Join	Description
Rental	staff.staff_id=rental.staff_id	Foreign key referencing the rental time
Payment	staff.staff_id=payment.staff_id	Foreign key referencing the payment table

Unique Keys

	Columns	Description
🔑	staff_id	Unique identifier for Staff table

🔑	address_id	Unique identifier for add

Store Table

	Column	Data Type	Description
🔑	store_id	SERIAL	Unique identifier for store
🔑	manager_staff_id	SMALLINT	Unique id for store manager staff
🔑	address_id	SMALLINT	Unique identifier for store address
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Last update with timestamp w/o time zone

Link To

Table	Join	Description
Staff	store.address_id=staff.address_id	Foreign key referencing Staff table
Address	store.address_id=address.Address_id	Foreign key referencing Address table

Link From
N/A

Unique Key

	Columns	Description
🔑	store_id	Unique identifier for store table
🔑	manager_staff_id	Unique identifier for store manager
🔑	address_id	Unique identifier for address