2023

Rockbuster Stealth

Data Dictionary

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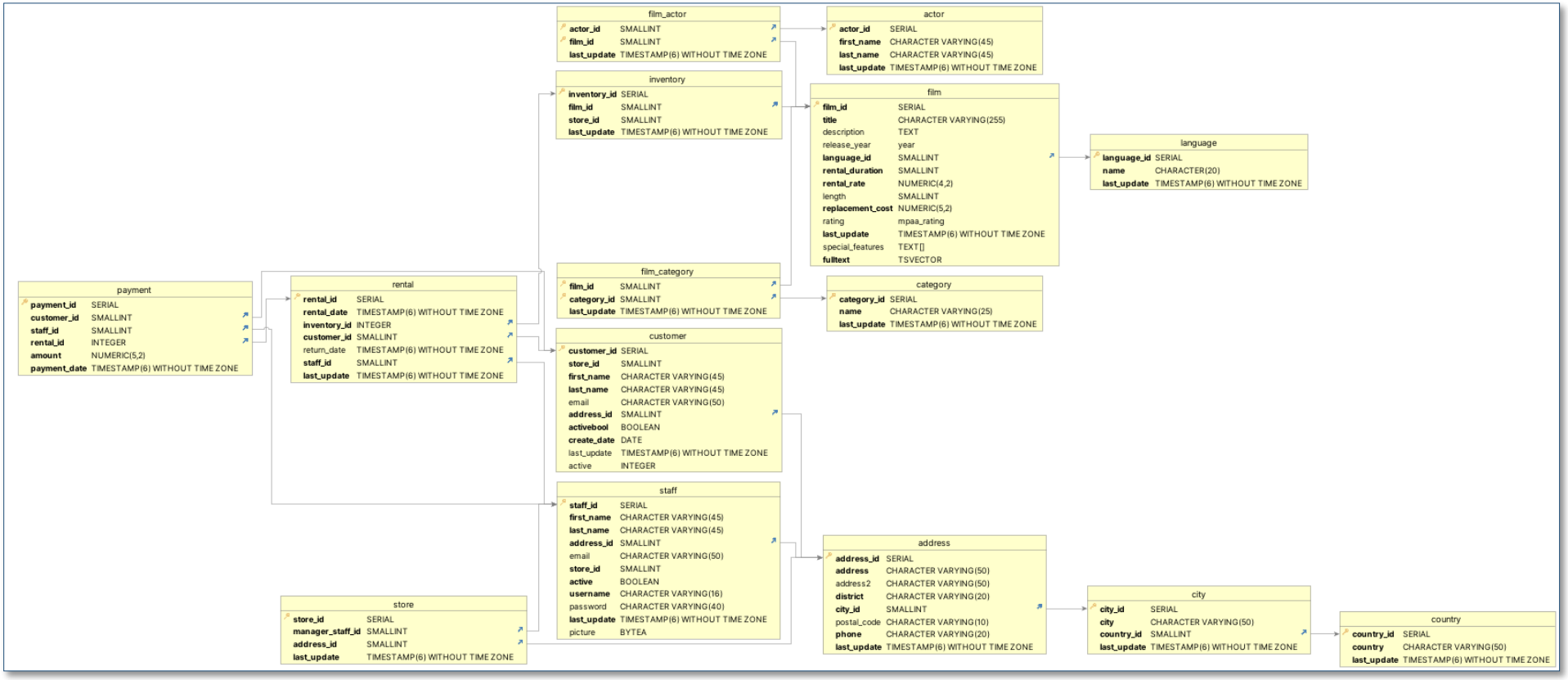
Rockbuster Database



Payments, rental information, employee and customer information, and film information all linked to one table – the payment table that houses the ID for all payments, customers, staff, and rentals.

Key

Description

- Icon referring to *Primary Key*
- Icon referring to *Unique Key*
- Icon referring to linking *to* another table
- Icon referring to linking *from* another table

1.Fact Table- Payment

Payment transactions for customer rentals and employees.

	Columns	Data Type	Description
🔑	payment_id	Serial	Primary key for payment records
🔑	customer_id	SMALLINT	Unique Customer Accnt ID
🔑	staff_id	SMALLINT	Unique Staff Accnt ID
🔑	rental_id	INTEGER	Unique ID given to individual movie in inventory
	amount	NUMERIC(5,2)	Amount customer paid for rental
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date payment received for rental

Connections

Links To

	Table	Join
➡	rental	payment.rental_id=rental.rental_id
➡	film_category	payment.film_category=film_category.film_category_id
➡	staff	payment. staff_id=staff.staff_id

1.1- Staff

Staff information, staff accounts, store ID

	Columns	Data Type	Description
🔑	staff_id	SMALLINT	Primary key for Rockbuster staff
	first_name	CHARACTER VARYING (45)	Staff first name
	last_name	CHARACTER VARYING (45)	Staff last name
🔑	address_id	SMALLINT	Unique ID given to identify staff address
	email	CHARACTER VARYING (50)	Staff work email
🔑	store_id	SMALLINT	Unique ID given to store location
	active	BOOLEAN	Current staff employment at Rockbuster
	username	CHARACTER VARYING (16)	Staff's account username
	password	CHARACTER VARYING (40)	Staff's account password
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.
	picture	BYTEA	Staff ID picture

Connections

Links To

	Table	Join
➡	address	staff.address_id=address.address_id
➡	store	staff.store_id=store.store_id

Links From

	Table	Join
	store	store.store_id= staff.store_id
	payment	payment.staff_id=staff.staff_id
	rental	rental.rental_id=staff.rental_id

1.2- Store

Store, manager, staff and store information

	Columns	Data Type	Description
	store_id	INTEGER	Unique ID given to store location
	manager_staff_id	SMALLINT	Unique Key given to staff manager
	address_id	SMALLINT	Unique ID given to identify the store address
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

	Table	Join
	staff	customer.staff_id=staff.staff_id
	address	customer.address_id=address.address_id

Links From

	Table	Join
	staff	payment.payment_id=staff.payment_id
	customer	payment.payment_id=customer.payment_id
	inventory	payment.payment_id=inventory.payment_id

1.3- Address

Store address information, phone, last update

	Columns	Data Type	Description
	address_id	INTEGER	Unique ID given to identify customer address
	address	CHARACTER VARYING (50)	Store address line one
	address2	CHARACTER VARYING (50)	Store address line two
	district	CHARACTER VARYING (20)	Store address county district
	city_id	SMALLINT	Unique ID given to identify address city
	postal_code	CHARACTER VARYING (10)	Store address postal code
	phone	CHARACTER VARYING (20)	Store phone number
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

	Table	Join
→	city	address.city_id=city.city_id

Links From

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

1.4 - City

Store city, country ID, last update

	Columns	Data Type	Description
🔑	city_id	INTEGER	Unique ID number given to each city
	city	CHARACTER VARYING (50)	Name of city
🔑	country_id	SMALL INT	Unique ID number given to each country
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

	Table	Join
	country	city.country_id=country.country_id

Links From

	Table	Join
	address	city.city_id=address.city_id

1.5- Country

Store country ID, name, last update

	Columns	Data Type	Description
	country_id	INTEGER	Unique ID given to identify store county
	country	CHARACTER VARYING (50)	Country Name
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

No linked relations.

Links From

	Table	Join
	city	city.country_id=country.country_id

1.6- Rental

Rental information, staff and customer ID, inventory

	Columns	Data Type	Description
🔑	rental_id	INTEGER	Unique ID given to individual movie in inventory
	rental_date	TIMESTAMP WITHOUT TIME ZONE	Date movie was rented
🔑	inventory_id	INTEGER	Unique ID given to each individual DVD in the store's inventory
🔑	customer_id	SMALLINT	Unique Customer Accnt ID
	return_date	TIMESTAMP WITHOUT TIME ZONE	Date movie was rented
🔑	staff_id	SMALLINT	Unique Staff Accnt ID
	last_update	TIMESTAMP WITHOUT TIMEZONE	Date and time the record was last updated.

Connections

Links To

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

Links From

	Table	Join
⬅	payment	rental.rental_id=payment.rental_id

1.7- Customer

Customer account information, store

	Columns	Data Type	Description
🔑	customer_id	INTEGER	Unique Customer Accnt ID
🔑	store_id	SMALLINT	Unique ID given to store location
	first_name	VARYING (45)	Customer first name
	last_name	VARYING (45)	Customer last name
	email	VARYING (50)	Customer's registered email
🔑	address_id	SMALLINT	Primary key for customer address
	activebool	BOOLEAN	Confirmation of customer information
	create_date	DATE	Date customer accnt was created
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated
	active	INTEGER	Active or inactive customer Accnts

Connections

Links To

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

Links From

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

1.8- Inventory

Inventory, film, store, last update

	Columns	Data Type	Description
	inventory_id	INTEGER	Unique ID given to each individual DVD in the store's inventory
	film_id	SMALLINT	Unique ID given to each individual film
	store_id	SMALLINT	Unique ID given to store location
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.

Connections

Links to

	Table	Join
	Film	inventory.film_id=film.film_id
	store	inventory.store_id=store.store_id

Links From

	Table	Join
	rental	inventory.inventory_id=rental.inventory_id

1.9- Film

Film Category, Id, and last update

	Columns	Data Type	Description
🔑	film_id	SMALLINT	Unique ID given to each individual film
🔑	category_id	SMALLINT	Unique ID given to film genre
	last_update	TIMESTAMP WITH OUT TIME ZONE	Date and time the record was last updated.

Connections

Links to

	Table	Join
➡	Language	film.language_id=language.language_id

Links From

	Table	Join
⬅	Inventory	film.film_id=inventory.film_id
⬅	Film_actor	film.film_id=film_actor.film_id
⬅	Film_category	film.film_id=film_category.film_id

1.10- Language

Film language, last update

	Columns	Data Type	Description
	language_id	INTEGER	Unique ID number given to each language in which the films exist
	name	CHRACTER (20)	Language Name
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated

Connections

Links To

No linked relations.

Links From

	Table	Join
	film	language.language_id=film.language_id

1.11 – Film_Actor

Joins the actor information table with the film table

	Columns	Data Type	Description
🔑	actor_id	SMALLINT	Unique ID given to the film's lead actor/actress
🔑	film_id	SMALLINT	Unique ID given to each individual film
	last_update	TIMESTAMP WITH OUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

	Table	Join
➡	actor	film_actor.actor_id=actor.actor_id
➡	film	film_actor.film_id=film.film_id

Links From

No linked relations.

1.12- Actor

Actor information, last update

	Columns	Data Type	Description
🔑	actor_id	INTEGER	Unique ID given to the film's lead actor/actress
	first_name	CHARACTER VARYING (45)	Actor/actress first name
	last_name	CHARACTER VARYING (45)	Actor/actress last name
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

No linked relations.

Links From

	Table	Join
	film_actor	actor.actor_id=film_actor.actor_id

1.13 – Film_Category

Joins the film category table with the film table

	Columns	Data Type	Description
	Category_id	SMALLINT	Unique ID given to film genre
	film_id	SMALLINT	Unique ID given to each individual film
	last_update	TIMESTAMP WITH OUT TIME ZONE	Date and time the record was last updated.

Connections

Links To

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

Links From

No linked relations.

1.14- Category

Film category , name, last update

	Columns	Data Type	Description
🔑	category_id	INTEGER	Unique ID given to film genre
	name	CHARACTER VARYING (25)	Film genre name
	last_update	TIMESTAMP WITHOUT TIME ZONE	Date and time the record was last updated

Connections

Links To

No linked relations.

Links From

	Table	Join
⬅	film_category	category.category_id=film_category.category_id