



ROCKBUSTER

Data Dictionary

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1. Legend

 Primary Key

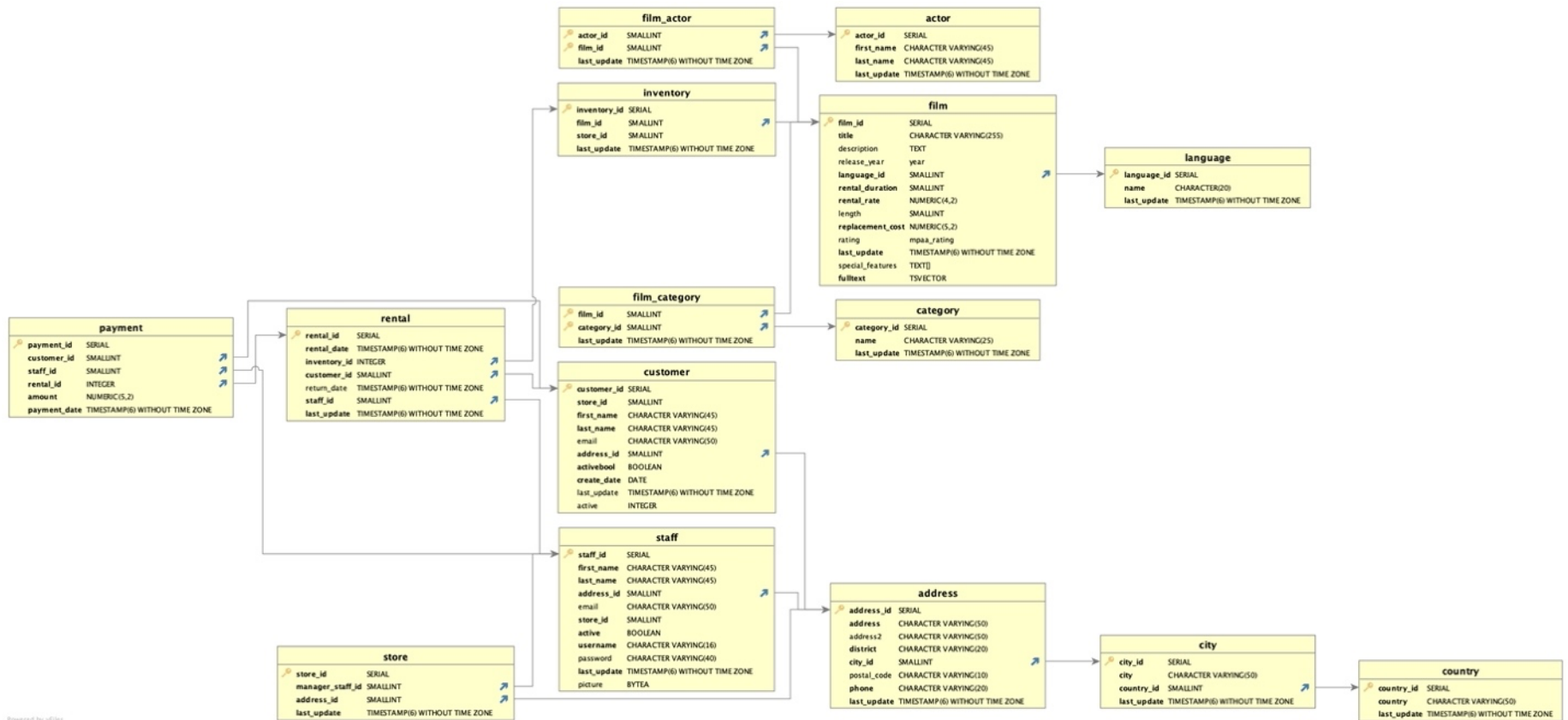
 Foreign Key

Links to:

 Linked to a Foreign Key in a Dimension Table column

 Linked to a Fact Table column


2. ERD Map






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3. FACT TABLES



3.1 payment

	Columns	Data Type	Description
	payment_id	SERIAL	number associated with a payment
	customer_id	SMALLINT	number associated with a customer
	staff_id	SMALLINT	number associated with a staff member
	rental_id	INTEGER	number associated with a rental
	amount	NUMERIC(5,2)	amount of the rental
	payment_date	TIMESTAMP(6)WITHOUT TIMEZONE	date of the payment made


	Links to	Table	Description
	customer_id	customer	number associated with a payment
	staff_id	staff	number associated with a staff member
	rental_id	rental	number associated with a rental



3.2 film_actor

	Columns	Data Type	Description
	actor_id	SMALLINT	number assigned to an actor
	film_id	SMALLINT	number assigned to a film
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date database was last updated



	Links to	Table	Description
	actor_id	actor	number assigned to an actor
	film_id	film	number assigned to a film



3.3 store

	Columns	Data Type	Description
	store_id	SERIAL	number associated to the store
	manager_staff_id	SMALLINT	number associated to the manager of the store/staff
	address_id	SMALLINT	number associated to the address of the store
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
	staff_id	staff	number associated with a staff member
	address_id	address	number associated to the address of the store


3.4 film_category



	Columns	Data Type	Description
	film_id	SMALLINT	number assigned to a film
	category_id	SMALLINT	number assigned to a category/genre
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
	film_id	film	number assigned to a film
	category_id	category	number assigned to a category/genre



4. Dimension Tables




4.1 inventory

	Columns	Data Type	Description
	inventory_id	SERIAL	number assigned to inventory
	film_id	SMALLINT	number assigned to a film
	store_id	SMALLINT	number assigned to a store
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date database was last updated



	Links to	Table	Description
	film_id	film	number assigned to a film
	inventory_id	rental	number assigned to inventory

4.2 customer

	Columns	Data Type	Description
 	customer_id	SERIAL	number assigned to a customer
	store_id	SMALLINT	number assigned to a 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	number associated with address
	activebool	BOOLEAN	active or inactive customer (true/false)
	create_date	DATE	date became a customer
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date database was last updated
	active	INTEGER	number associated with being active customer

	Links to	Table	Description
	address_id	address	number associated with address
	customer_id	rental	number assigned to a customer
	customer_id	payment	number assigned to a customer



4.3 staff

	Columns	Data Type	Description
 	staff_id	SERIAL	number associated with staff member
	first_name	CHARACTER VARYING(45)	first name of staff member
	last_name	CHARACTER VARYING(45)	last name of staff member
	address_id	SMALLINT	number associated with address
	email	CHARACTER VARYING(50)	email associated with staff member

	store_id	SMALLINT	number of store
	activebool	BOOLEAN	active store member (true/false)
	username	CHARACTER VARYING(16)	login username to database
	password	CHARACTER VARYING(40)	login password to database
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date database was last updated
	picture	BYTEA	picture of staff member



	Links to	Table	Description
→	address_id	address	number associated with address
←	staff_id	rental	number associated with staff member
←	staff_id	payment	number associated with staff member
←	staff_id	store	number associated with staff member

4.4 rental

	Columns	Data Type	Description
 	rental_id	SERIAL	number associated with a rental
	rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	date rented
	inventory_id	INTEGER	number associated with inventory
	customer_id	SMALLINT	number associated with customer
	return_date	TIMESTAMP(6) WITHOUT TIMEZONE	date returned
	staff_id	SMALLINT	number of staff member
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date database was last updated



	Links to	Table	Description
↷	inventory_id	inventory	number associated with inventory
↷	customer_id	customer	number associated with customer
↷	staff_id	staff	number associated with staff member
↶	rental_id	payment	number associated with a rental

4.5 actor

	Columns	Data Type	Description
 	actor_id	SERIAL	number associated with an actor
	first_name	CHARACTER VARYING(45)	first name of the actor
	last_name	CHARACTER VARYING(45)	last name of the actor
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
←	actor_id	film_actor	number assigned to an actor


4.6 film

	Columns	Data Type	Description
 	film_id	SERIAL	number associated with a film
	title	CHARACTER VARYING(255)	name of the title of the film
	description	TEXT	description of what the film is about
	release_year	year	the year the film was released
	language_id	SMALLINT	number associated to the language of the film
	rental_duration	SMALLINT	the amount of time someone had the rental for
	rental_date	NUMERIC(4,2)	the date of the rental
	length	SMALLINT	length of the film

	replacement_cost	NUMERIC(5,2)	what the cost is to replace the film if not returned
	rating	mpaa_rating	the rating of the film
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated
	special_features	TEXT[]	any additional features to the film
	fulltext	TSVECTOR	words and numbers associated to the film to identify


	Links to	Table	Description
→	language_id	language	number associated to the language of the film
↖	film_id	inventory	number associated with a film
↖	film_id	film_actor	number associated with a film
↖	film_id	film_category	number associated with a film

4.7 language

	Columns	Data Type	Description
	language_id	SERIAL	number associated to the language of the film
	name	CHARACTER(20)	name of the language
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
	language_id	film	number associated to the language of the film



4.8 category

	Columns	Data Type	Description
	category_id	SERIAL	number associated with a category

	name	CHARACTER VARYING(25)	name of the category/genre
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
	category_id	film_category	number associated with a category



4.9 address



	Columns	Data Type	Description
 	address_id	SERIAL	number associated with an address
	address	CHARACTER VARYING(50)	address street number and street name
	address2	CHARACTER VARYING(50)	apt number or suite number

	district	CHARACTER VARYING(20)	region located
	city_id	SMALLINT	number associated with city
	postal_code	CHARACTER VARYING(10)	postal code number
	phone	CHARACTER VARYING(20)	phone number
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated


	Links to	Table	Description
→	city_id	city	number associated with city
↖	address_id	store	number associated with an address
↖	address_id	staff	number associated with an address
↖	address_id	customer	number associated with an address

4.10 city

	Columns	Data Type	Description
 	city_id	SERIAL	number associated with city
	city	CHARACTER VARYING(50)	city name
	country_id	SMALLINT	number associated with country
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
	country_id	country	number associated with country
	city_id	address	number associated with city

4.11 country

	Columns	Data Type	Description
	country_id	SERIAL	number associated with country
	country	CHARACTER VARYING(50)	country name
	last_update	TIMESTAMP(6)WITHOUT TIMEZONE	date database was last updated

	Links to	Table	Description
	country_id	country	number associated with country