

Rockbuster

Data Dictionary



1 Table of Contents

2	<i>Legend</i>	2
3	<i>Rockbuster ERD</i>	3
4	<i>Tables</i>	3
4.1	Table: Payment.....	3
4.2	Table: film_category	3
4.3	Table: store	4
4.4	Table: film_actor	4
4.5	Table: rental	5
4.6	Table: customer.....	5
4.7	Table: address	6
4.8	Table: staff	6
4.9	Table: city.....	7
4.10	Table: country.....	8
4.11	Table: inventory.....	8
4.12	Table: actor.....	8
4.13	Table: film.....	9
4.14	Table: language.....	9
4.15	Table: category	10

2 Legend

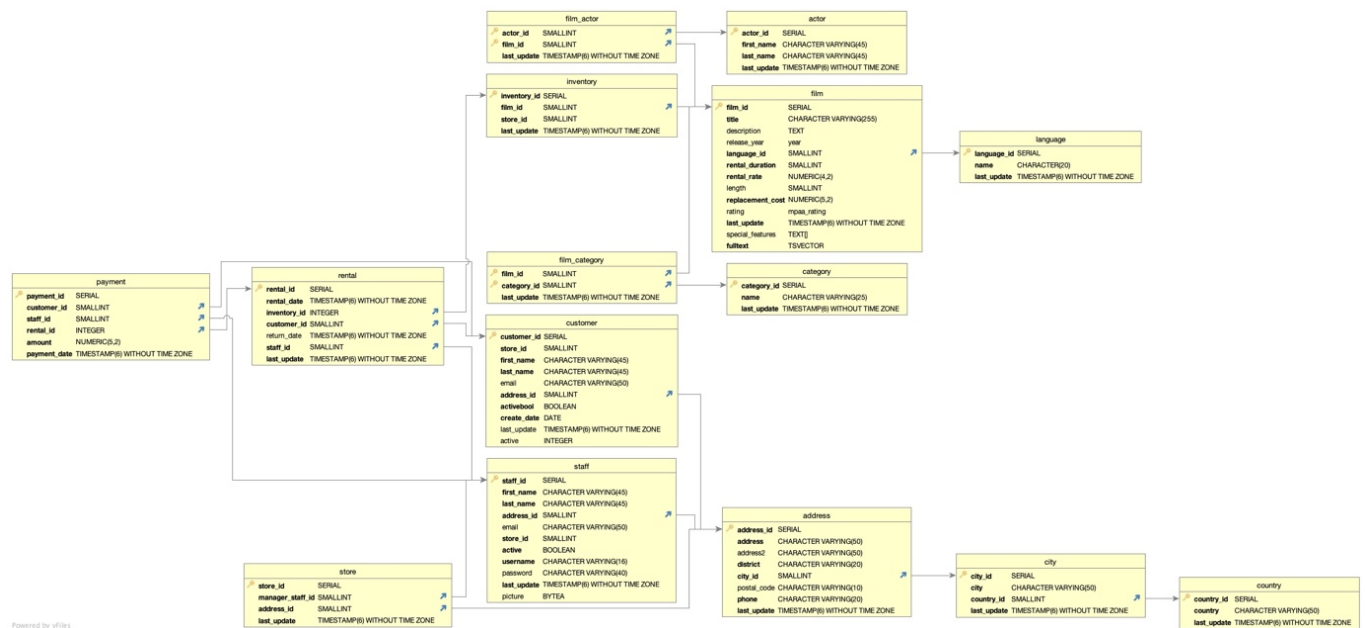


Primary Key







Foreign Key

3 Rockbuster ERD



4 Tables



4.1 Table: Payment

	Column	Data Type	Description
	payment_id	SERIAL	primary key
	customer_id	SMALLINT	foreign key to customer
	staff_id	SMALLINT	foreign key to staff
	rental_id	INTEGER	foreign key to rental
	amount	NUMERIC(5,2)	amount paid
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment

Links to

Table	Join
customer	ON payment.customer_id (FK) = customer.customer_id (PK)
staff	ON payment.staff_id (FK) = staff.staff_id (PK)
rental	ON payment.rental_id (FK) = rental.rental_id (PK)




4.2 Table: film_category

	Column	Data Type	Description
	film_id	SERIAL	composite key, foreign key to film
	category_id	SMALLINT	composite key, foreign key to category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated

Links to

Table	Join
film	ON film_category.film_id (FK) = film.film_id (PK)
category	ON film_category.category_id (FK) = category.category_id (PK)



4.3 Table: store

	Column	Data Type	Description
	store_id	SERIAL	primary key
	manager_staff_id	SMALLINT	foreign key to staff
	address_id	SMALLINT	foreign key to address
	Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated

Links to

Table	Join
staff	ON store.manager_staff_id (FK) = staff.staff_id (PK)
address	ON store.address_id (FK) = address.address_id (PK)





4.4 Table: film_actor

	Column	Data Type	Description
	actor_id	SMALLINT	composite key, foreign key to actor
	film_id	SMALLINT	composite key, foreign key to film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated

Links to

Table	Join
actor	ON film_actor.actor_id (FK) = actor.actor_id (PK)
film	ON film_actor.film_id (FK) = film.film_id (PK)

4.5 Table: rental

	Column	Data Type	Description
	rental_id	SERIAL	primary key
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	date of rental
	inventory_id	INTEGER	foreign key to inventory
	customer_id	SMALLINT	foreign key to customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date of return
	staff_id	SMALLINT	foreign key to staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	data entry was last updated




Links to

Table	Join
inventory	ON rental.inventory_id (FK) = inventory.inventory_id (PK)
customer	ON rental.customer_id (FK) = customer.customer_id (PK)
staff	ON rental.staff_id (FK) = staff.staff_id (PK)

Linked from

Table	Join
payment	ON rental.rental_id (FK) = payment.rental_id (PK)

4.6 Table: customer

	Column	Data Type	Description
	customer_id	SERIAL	primary key
	store_id	SMALLINT	foreign key to store
	first_name	CHARACTER VARYING(45)	first name of customer
	last_name	CHARACTER VARYING(45)	last name of customer
	email	CHARACTER VARYING(50)	email address
	address_id	SMALLINT	foreign key to address
	activebool	BOOLEAN	is customer active
	create_date	DATE	date record was created
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated
	active	INTERGER	is customer active



Links to

Table	Join
store	ON customer.store_id (FK) = store.store_id (PK)
address	ON customer.address_id (FK) = address.address_id (PK)

Linked from

Table	Join
payment	ON customer.customer_id (PK) = payment.customer_id (FK)
rental	ON customer.customer_id (PK) = rental.customer_id (FK)

4.7 Table: address

	Column	Data Type	Description
	address_id	SERIAL	primary key
	address	CHARACTER VARYING(50)	Street address
	address2	CHARACTER VARYING(50)	additional street address
	district	CHARACTER VARYING(20)	district
	city_id	SMALLINT	foreign key to city
	postal_code	CHARACTER VARYING(10)	postal code
	phone	CHARACTER VARYING(20)	phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated


Links to



Table	Join
city	ON address.city_id (FK) = city.city_id (PK)

Linked from

Table	Join
customer	ON address.address_id (PK) = customer.address_id (FK)
staff	ON address.address_id (PK) = staff.address_id (FK)
store	ON address.address_id (PK) = store.address_id (FK)

4.8 Table: staff

	Column	Data Type	Description
	staff_id	SERIAL	primary key
	first_name	CHARACTER VARYING(45)	first name of employee

	last_name	CHARACTER VARYING(45)	last name of employee
	address_id	SERIAL	foreign key to address
	email	CHARACTER VARYING(50)	email address
	store_id	SMALLINT	foreign key to store
	activebool	BOOLEAN	is employee active
	username	CHARACTER VARYING(16)	username of employee
	password	CHARACTER VARYING(40)	password of employee
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated
	picture	BYTEA	picture of employee



Links to

Table	Join
address	ON staff.address_id (FK) = address.address_id (PK)
store	ON staff.store_id (FK) = store.store_id (PK)

Linked from

Table	Join
payment	ON staff.staff_id (PK) = payment.staff_id (FK)
rental	ON staff.staff_id (PK) = rental.staff_id (FK)
store	ON staff.staff_id (PK) = store.staff_id (FK)

4.9 Table: city

	Column	Data Type	Description
	city_id	SERIAL	primary key
	city	CHARACTER VARYING(50)	city name
	country_id	SAMLLINT	foreign key to country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated


Links to

Table	Join
country	ON city.country_id (FK) = country.city_id (PK)

Linked from

Table	Join
address	ON city.city_id (PK) = address.city_id (FK)




4.10 Table: country

	Column	Data Type	Description
	country_id	SERIAL	primary key
	country	CHARACTER VARYING(50)	country name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated

Linked from

Table	Join
city	ON country.country_id (PK) = city.country_id (FK)

4.11 Table: inventory

	Column	Data Type	Description
	inventory_id	SERIAL	primary key
	film_id	SMALLINT	foreign key to film
	store_id	SMALLINT	foreign key to store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated


Links to

Table	Join
film	ON inventory.film_id (FK) = film.film_id (PK)
store	ON inventory.store_id (FK) = store.store_id (PK)

Linked from

Table	Join
rental	ON inventory.inventory_id (PK) = rental.inventory_id (FK)



4.12 Table: actor

	Column	Data Type	Description
	actor_id	SERIAL	primary key
	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	date record was last updated

Linked from

Table	Join
film_actor	ON actor.actor_id (PK) = film_actor.actor_id (FK)

4.13 Table: film

	Column	Data Type	Description
	film_id	SERIAL	primary key
	title	CHARACTER VARYING(255)	film title
	description	TEXT	film description
	release_year	year	film release year
	language_id	SMALLINT	foreign key to language
	rental_duration	SMALLINT	duration of the rental
	rental_rate	NUMERIC(4,2)	the rental rate
	length	SMALLINT	the length of the film
	replacement_cost	NUMERIC(4,2)	the replacement cost of the film
	rating	mpaa_rating	the film mppa rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated
	special feature	TEXT[]	special feature of the film
	fulltext	TSVECTOR	film keywords


Links to

Table	Join
language	ON film.language_id (FK) = language.language_id (PK)

Linked from

Table	Join
film_actor	ON film.film_id (PK) = film_actor.film_id (FK)
inventory	ON film.film_id (PK) = inventory_actor.film_id (FK)
film_category	ON film.film_id (PK) = film_category.film_id (FK)


4.14 Table: language

	Column	Data Type	Description
	language_id	SERIAL	primary key
	name	CHARACTER VARYING(20)	language name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated

Linked from

Table	Join
film	ON language.language_id (PK) = film.language_id (FK)

4.15 Table: category

	Column	Data Type	Description
	category_id	SERIAL	primary key
	name	CHARACTER VARYING(25)	category name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date record was last updated

Linked from

Table	Join
film_category	ON category.category_id (PK) = film_category.category_id (FK)