ROCKBUSTER DATA DICTIONARY

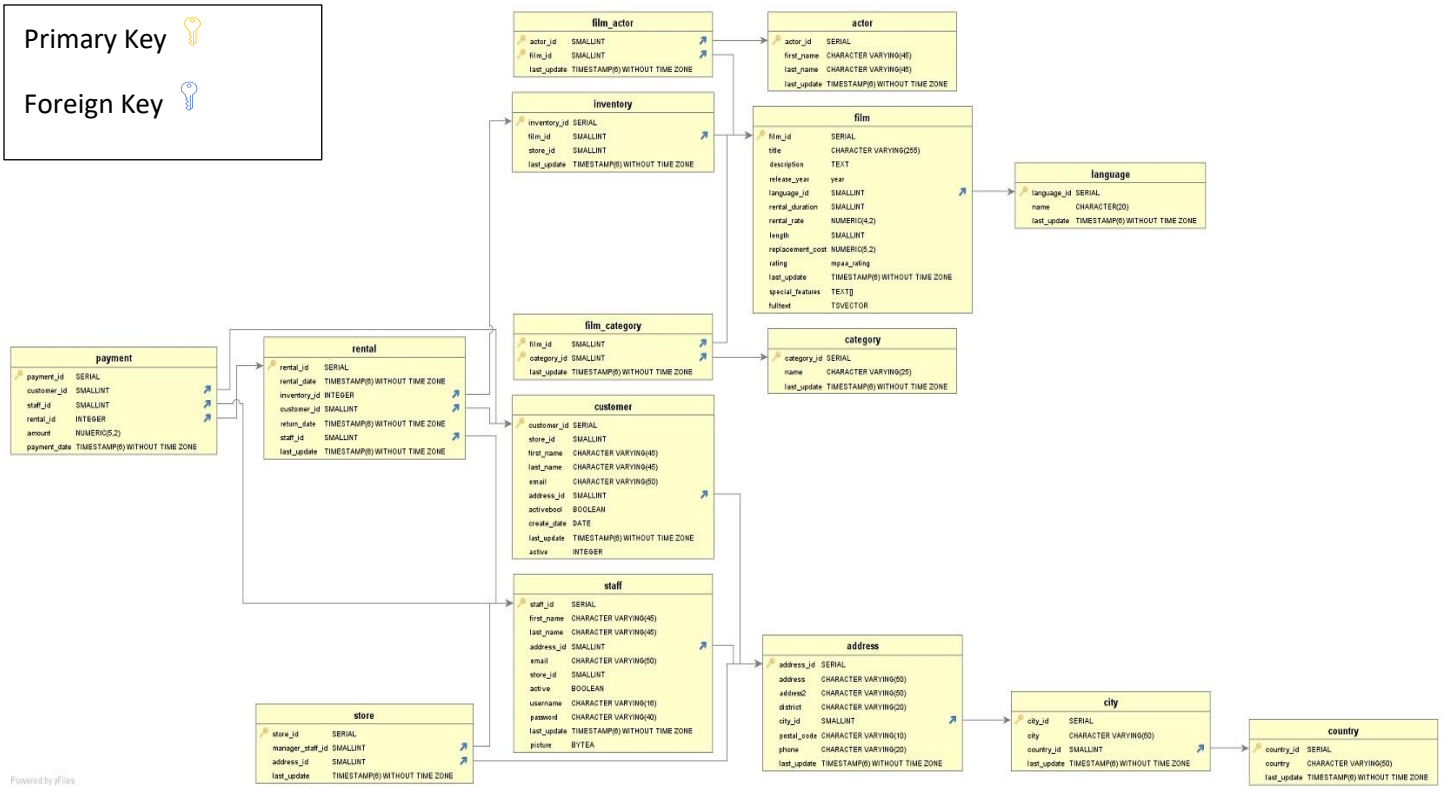
Table of Contents

1. Business Entities……..2
2. Fact Tables……2
   2.1. Table: Rental……...2
   2.2. Table: Inventory……..3
3. Dimension Tables……..3
   3.1. Table: Store……3
   3.2. Table: Staff……4
   3.3. Table: Customer……..4
   3.4. Table: Payment……..5
   3.5. Table: Address……....6
   3.6. Table: City……6
   3.7. Table: Country……7
   3.8. Table: Film_Actor……7
   3.9. Table: Film_Category……7
   3.10. Table: Film…….8
   3.11. Table: Actor.....8
   3.12. Table: Category.....9
   3.13 Table: Language.....9

1. Business Entities

Primary Key

Foreign Key



2. Fact Tables

2.1. Table: Rental

	Column	Data Type	Description
	rental_id	SERIAL	Unique rental code
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time film rented
	inventory_id	INTEGER	Inventory code
	customer_id	SMALLINT	Customer code
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time rental returned
	staff_id	SMALLINT	Staff code
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
Payment	Rental.rental_id = Payment.rental _id

Links From

Table	Join
Inventory	Inventory.Inventory_id = Rental.inventory_id
Customer	Customer.customer_id = Rental.customer_id
Staff	Staff.staff_id = Rental.staff_id

2.2 Table: Inventory

	Column	Data Type	Description
	inventory_id	SERIAL	Unique inventory code
	film_id	SMALLINT	Film code
	store_id	SMALLINT	Store code
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
Rental	Inventory.inventory_id = Rental.inventory_id

Links From

Table	Join
Film	Film.film_id = Inventory.film_id

3. Dimension Tables

3.1 Table: Store

	Column	Data Type	Description
	store_id	SERIAL	Unique store number
	manager_staff_id	SMALLINT	Manager number
	address_id	SMALLINT	Address code
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and Time record last updated

Links From

Table	Join
Staff	Staff.staff_id = Store.staff_id
Address	Address.address_id = Store.address_id

3.2 Staff

	Column	Data Type	Description
🔑	staff_id	SERIAL	Unique staff number
	first_name	CHARACTER VARYING(45)	Staff member's first name
	last_name	CHARACTER VARYING(45)	Staff member's last name
🔑	address_id	SMALLINT	Address code
	email	CHARACTER VARYING(50)	Staff member's email address
	store_id	SMALLINT	Store code
	active	BOOLEAN	Staff member's employment status
	username	CHARACTER VARYING(16)	Staff member's username
	password	CHARACTER VARYING(40)	Staff member's password
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time record last updated
	picture	BYTEA	Staff member's picture

Links To

Table	Join
Payment	Staff.staff_id = Payment.staff_id

Links From

Table	Join
Address	Address.address_id = Staff.address_id

3.3 Customer

	Column	Data Type	Description
🔑	customer_id	SERIAL	Unique customer code
	store_id	SMALLINT	Store code
	first_name	CHARACTER VARYING(45)	Customer's first name

	last_name	CHARACTER VARYING(45)	Customer's last name
	Email	CHARACTER VARYING(50)	Customer's email address
	address_id	SMALLINT	Address code
	activebool	BOOLEAN	Customer's account status identified as true or false
	create_date	DATE	Account created
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time
	active	INTEGER	Account status code

Links To

Table	Join
Rental	Customer.customer_id = Rental.customer_id
Payment	Customer.customer_id = Payment.customer_id

Links From

Table	Join
Address	Address.address_id = Customer.address_id

3.4 Payment

	Column	Data Type	Description
	payment_id	SERIAL	Unique payment code
	customer_id	SMALLINT	Customer number
	staff_id	SMALLINT	Staff number
	rental_id	INTEGER	Rental number
	amount	NUMERIC(5,2)	Rental cost
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links From

Table	Join
Customer	Customer.customer_id = Payment.customer_id
Staff	Staff.staff_id = Payment.staff_id
Rental	Rental.rental_id = Payment.rental_id

3.5 Address

	Column	Data Type	Description
	address_id	SERIAL	Unique address code
	address	CHARACTER VARYING(50)	Street address
	address2	CHARACTER VARYING(50)	Address extension
	district	CHARACTER VARYING(20)	State/Province
	city_id	SMALLINT	City code
	postal_code	CHARACTER VARYING(10)	Postal code
	phone	CHARACTER VARYING(20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
Customer	Address.address_id = Customer.address_id
Staff	Address.address_id = Staff.address_id
Store	Address.address_id = Store.address_id

Links From

Table	Join
City	City.address_id = Address.address_id

3.6 City

	Column	Data Type	Description
	city_id	SERIAL	Unique city code
	city	CHARACTER VARYING(50)	Name of city
	country_id	SMALLINT	Country code
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time

Links To

Table	Join
Address	City.address_id = Address.address_id

Links From

Table	Join
Country	Country.country_id = City.country_id

3.7 Country

	Column	Data Type	Description
🔑	country_id	SERIAL	Unique country code
	country	CHARACTER VARYING(50)	Name of country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
City	Country.country_id = City.country_id

3.8 Film_Actor

	Column	Data Type	Description
🔑 / 🔑	actor_id	SMALLINT	Unique actor code
🔑 / 🔑	film_id	SMALLINT	Film code
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links From

Table	Join
Actor	Actor.actor_id = Film_Actor.actor_id
Film	Film.film_id = Film_Actor.film_id

3.9 Film_Category

	Column	Data Type	Description
🔑 / 🔑	film_id	SMALLINT	Unique film code
🔑 / 🔑	category_id	SMALLINT	Category code
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time record last updated

Links From

Table	Join
Film	Film.film_id = Film_Category.film_id
Category	Category.category_id = Film_Category.category_id
Film_Actor	Film_Actor.film_id = Film_Category.film_id
Inventory	Inventory.film_id = Film_Category.film_id

3.10 Film

	Column	Data Type	Description
🔑	film_id	SERIAL	Unique Film number
	title	CHARACTER VARYING(255)	Name of film
	description	TEXT	Film description
	release_year	year	Year of release
🔑	language_id	SMALLINT	Language code
	rental_duration	SMALLINT	# of days film rented
	rental_rate	NUMERIC(4,2)	Rental cost
	length	SMALLINT	Length of the film
	replacement_cost	NUMERIC(5,2)	Cost of replacement film
	rating	mpaa_rating	Film rating
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated
	special_features	TEXT	Extra content
	fulltext	TSVECTOR	Film data

Links To

Table	Join
Film_Actor	Film.film_id = Film_Actor.film_id
Inventory	Film.film_id = Inventory.film_id
Category	Film.film_id = Category.film_id

Links From

Table	Join
Language	Language.language_id = Film.language_id

3.11 Actor

	Column	Data Type	Description
🔑	Actor_id	SERIAL	Unique actor code
	first_name	CHARACTER VARYING(45)	Actor's first name
	last_name	CHARACTER VARYING(45)	Actor's last name

	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
Film_Actor	Actor.actor_id = Film_Actor.actor_id

3.12 Category

	Column	Data Type	Description
	category_id	SERIAL	Unique category (genre) code
	name	CHARACTER VARYING(25)	Name of genre
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
Film_Category	Category.category_id = Film_category.category_id

3.13 Language

	Column	Data Type	Description
	language_id	SERIAL	Unique language code
	name	CHARACTER VARYING(20)	Name of language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time record last updated

Links To

Table	Join
Film	Language.language_id = Film.language_id