ROCKBUSTER

Data Dictionary

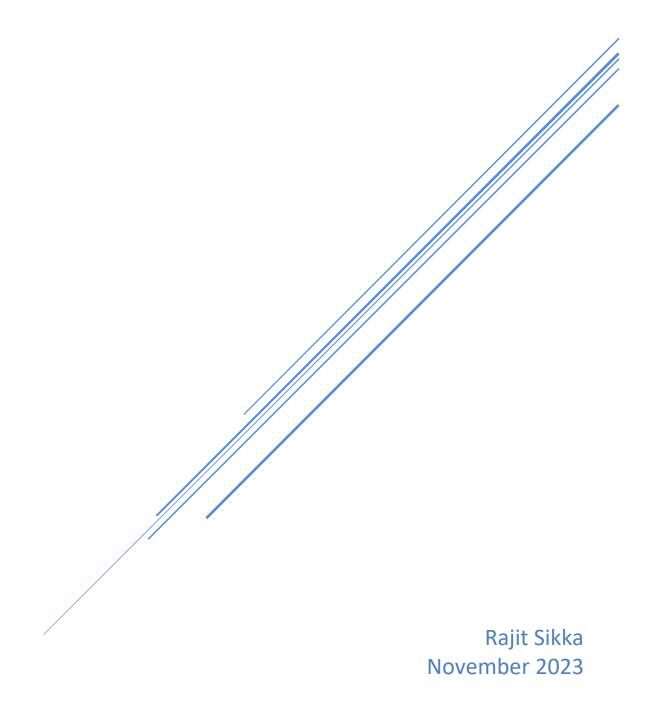


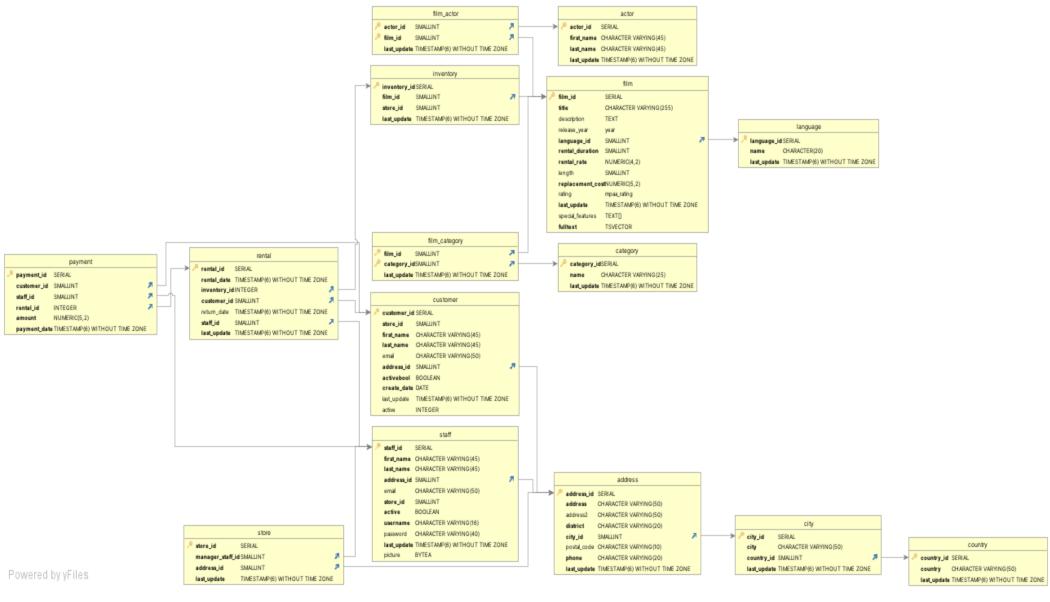
Table of Contents

Rockbuster	2
ERD	3
Legend	4
Fact Tables	4
Table: Payment	4
Table: Rental	5
Dimensions Tables	5
Table: Film_Actor	5
Table: Actor	6
Table: Film_Category	6
Table: Category	7
Table: Inventory	7
Table: Film	8
Table: Language	9
Table: Customer	9
Table: Staff	10
Table: Store	11
Table: Address	11
Table: City	12
Table: Country	13

Rockbuster

This is documentation for Rockbuster's Data Storage and Structure. Rockbuster Stealth LLC is a movie rental company that used to have stores around the world.

ERD



Legend



Primary Key



Foreign Key

Fact Tables

Table: Payment

Table with customer transaction information.

Columns	Data Type	Description
9	SERIAL	Unique Code to reference
Payment_id		Payment Transaction
Customer id	SMALLINT	Unique Code to reference
* Customer_id		Customer
Staff_id	SMALLINT	Unique Code to reference Staff
Rental id	INTEGER	Unique Code to reference
* Kental_id		Movie Rental
Amount	NUMERIC(5, 2)	Cost for Movie Rental
Payment_date	TIMESTAMP(6) WITHOUT	Date Payment is due
	TIMEZONE	

Links To:

Table	Join
Customer	payment.customer_id = customer.customer_id
Rental	payment.rental_id = rental.rental_id
Staff	payment.staff_id = staff.staff_id

Table: Rental

Table referencing rental transaction dates and parties involved.

Columns	Data Type	Description
Pontol id	SERIAL	Unique Code to Reference
Rental_id		Rental Instance
Rental_date	TIMESTAMP (6) WITHOUT TIME	Date Rental was purchased
	ZONE	
Inventory_id	INTEGER	Inventory of Movie Rental
Customer_id	SMALLINT	Customer who rented the movie
Return_date	TIMESTAMP (6) WITHOUT TIME	Date Movie is supposed to be
	ZONE	returned
Croff :4	SMALLINT	ID of staff who gave the movie
Staff_id		rental
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links To:

Table	Join
Inventory	rental.inventory_id = inventory_inventory_id
Customer	rental.customer_id = customer.customer_id
Staff	rental.staff_id = staff.staff_id

Links From:

Table	Join
Payment	rental.rental_id = payment.rental_id

Dimensions Tables

Table: Film_Actor

Actor's ID and the respective films they performed in.

Columns	Data Type	Description
A stan id	SMALLINT	Numerical Value to reference
Actor_id		Actor
Film id	SMALLINT	Numerical Value to reference
Film_id		film.
Last_update	TIMESTAMP(6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links to:

Table	Join
Actor	Film_actor.actor_id = actor.actor_id
Film	Film_actor.film_id = film.film_id

Table: Actor

Table to refer id's to Actors full names. `

Columns	Data Type	Description
A atom in	SERIAL	Numerical Value to reference
3 Actor_id		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	Last Time Row Details were
	ZONE	updated

Links From:

Table	Join
Film_actor	actor.actor_id = film_actor.actor_id

Table: Film_Category

Table that holds numerical values for a film (id) and it's respective category (id)

Columns	Data Type	Description
Films id	SMALLINT	Numerical Value to reference
Film_id		film.
Gatagam, id	SMALLINT	Numerical Value to reference
Category_id		film category
Last_update	TIMESTAMP(6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links to:

Table	Join
Category	Film_category.category_id = category.category_id
Film	Film_category.film_id = film.film_id

Table: Category

Table that lists out the category number alongside its respective name (category) to reference numerical values.

Columns	Data Type	Description
Catagony id	SERIAL	Unique Code to reference
Category_id		Movie Category
Name	CHARACTER VARYING(25)	Name of Category
Last_update	TIMESTAMP(6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links From:

Table	Join
Film_category	category.category_id = film_category.category_id

Table: Inventory

Table showing number of films for each store.

Columns	Data Type	Description
9	SERIAL	Unique Code to reference
Inventory_id		Inventory
Films id	SMALLINT	Numerical Value to reference
Film_id		film.
Chana id	SMALLINT	Numerical Value to reference
Store_id		store
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links To:

Table	Join
Film	Inventory.film_id = film.film_id
Store	Inventory.store_id = store.store_id

Table	Join
Rental	rental.inventory_id = inventory.inventory_id

Table: Film

Table containing film details and rental details (with the particular film).

Columns	Data Type	Description
Film_id	SERIAL	Unique Code to reference a Movie
Title	CHARACTER VARYING (255)	Name of Movie
Description	TEXT	Brief report of Movie
Release_year	Year	Year Movie was released
Language_id	SMALLINT	Numerical Value to reference Language
Rental_duration	SMALLINT	Numerical Value for length of movie
Rental_Rate	NUMERIC (4,2)	Cost of Movie Rental
Length	SMALLINT	Length of Movie
Replacement_cost	NUMERIC (5,2)	Cost to Replace Movie Rental
Rating	Mpaa_rating	Rating of Movie
Last_update	TIMESTAMPS (6) WITHOUT TIME ZONE	Last Time Row Details were updated
Special_features	TEXT []	Special features of rental (ex: Behind the scenes, director cuts)
FullItext	TSVECTOR	Text

Links To:

Table	Join
Language	Film.language_id = language.language_id

Table	Join
Film_actor	Film_actor.film_id = film.film_id
Inventory	Inventory.film_id = film.film_id
Film_category	Film_category.film_id = film.film_id

Table: Language

Table to cross reference the name of a language and its corresponding language id

Columns	Data Type	Description
l annuage id	SERIAL	Unique Code to identify
Language_id		language
Name	CHARACTER (20)	Name of Language
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links From:

Table	Join
Film	Film.language_id = language.language_id

Table: Customer

Table containing Customer Identification and contact information.

Columns	Data Type	Description
Customar id	SERIAL	Unique Code to identify
Customer_id		customer
Store_id	SMALLINT	ID of store customer rents from
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	Home Address of Customer
Activebool	BOOLEAN	Checks if Customer is actively
		paying.
Create_date	DATE	Date Customer Signed up
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated
Active	INTEGER	

Links to:

Table	Join
Address	Customer.address_id = address.address_id
Store	Customer.store_id = store.store_id

Table	Join
Rental	Rental.customer_id = customer.customer_id
Payment	Payment.customer_id = customer.customer_id

Table: Staff

Table containing staff member details.

Columns	Data Type	Description
Croff :4	SERIAL	Unique code to reference staff
Staff_id		member
First_name	CHARACTER VARYING (45)	First Name of Staff Member
Last_name	CHARACTER VARYING (45)	Last Name of Staff Member
Address_id	SMALLINT	Address of Staff Member
Email	CHARACTER VARYING (50)	Email address of staff member
Store_id	SMALLINT	Store Staff Member works in
Active	BOOLEAN	Is the store member actively
		working?
Username	CHARACTER VARYING (16)	Username for Staff member
		login
Password	CHARACTER VARYING (40)	Password for staff member login
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated
Picture	BYTEA	Image of Staff Member

Links To:

Table	Join
Address	Staff.address_id = address.address_id

Table	Join
Rental	Rental.staff_id = staff.staff_id
Payment	Payment.staff_id = staff.staff_id
Store	Store.store_id = staff.store_id

Table: Store

Table containing store location details and manager working there.

Columns	Data Type	Description
Store_id	SERIAL	Unique Code to reference Store
Manager_staff_id	SMALLINT	Manager of Store Id number
Address_Id	SMALLINT	Address of Store
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last Time Row Details were updated

Links To:

Table	Join
Address	Store.address_id = address.address_id

Links From:

Table	Join
Inventory	Inventory.store_id = store.store_id
Customer	Customer.store_id = store.store_id
Staff	Staff.store_id = store.store_id

Table: Address

Table containing full mailing address information.

Columns	Data Type	Description
Address id	SERIAL	Unique Code to reference
Address_id		Address
Address	CHARACTER VARYING (50)	First Line of Address
Address2	CHARACTER VARYING (50)	Second Line of Address
District	CHARACTER VARYING (20)	District Address is located
Giana ind	SMALLINT	Numerical Value to Reference
City_id		City
Postal_code	CHARACTER VARYING (10)	Postal Code for Address
Phone	CHARACTER VARYING (20)	Phone Number of Address
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links To:

Table	Join
City	Address.city_id = city.city_id

Links From:

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

Table: City

Table containing city Information.

Columns	Data Type	Description
City id	SERIAL	Numerical Value to Reference
City_id		City
City	CHARACTER VARYING (50)	City Name
Garreton id	SMALINT	Numerical Value to reference
Country_id		country
Last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Links to:

Table	Join
Country	City.country_id = country.country_id

Table	Join	
Address	Address.city_id = city.city_id	

Table: Country

Table containing country information.

Columns	Data Type	Description
Garrature in	SERIAL	Unique code to reference
Country_id		country
Country	CHARACTER VARYING (50)	Name of Country
last_update	TIMESTAMP (6) WITHOUT TIME	Last Time Row Details were
	ZONE	updated

Table	Join
City	City.country_id = country.country_id