

Rockbuster Stealth LLC

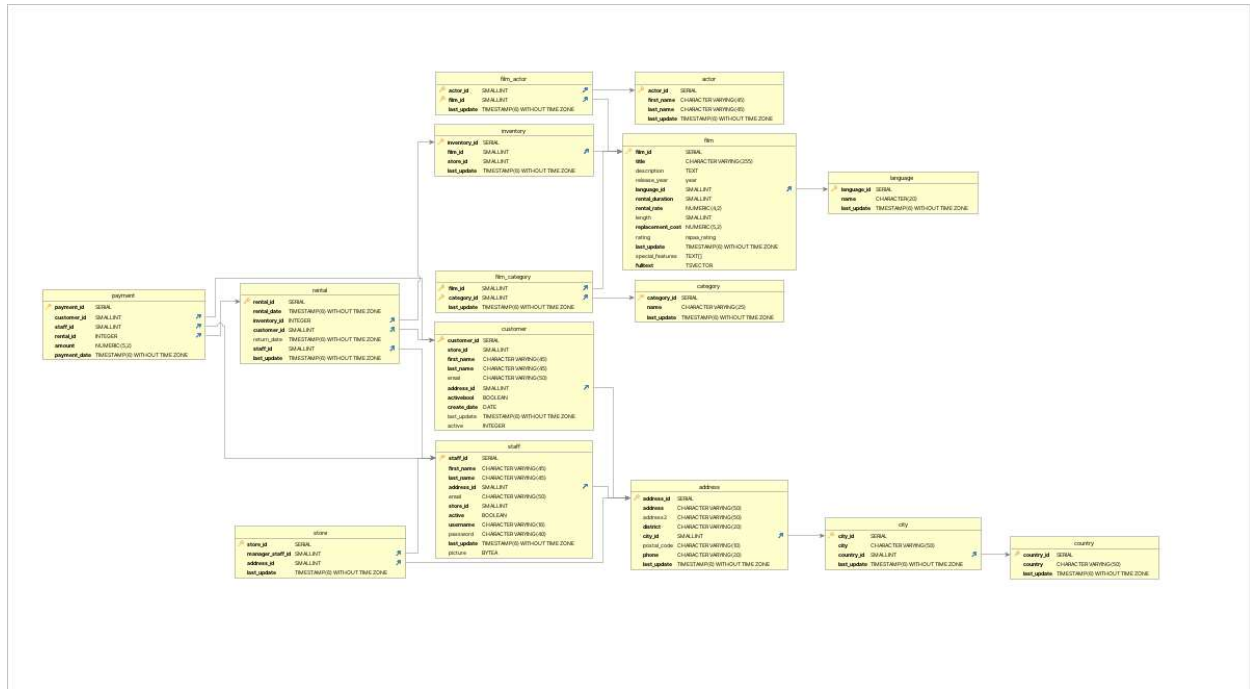
Data Dictionary

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1. Entity Relationship Diagram (ERD)



2. FACT TABLES - Primary Key - Foreign Key

I. PAYMENT TABLE





Key	Column	Data Type	Description
	payment_id	SERIAL	Unique Identifier for payment
	customer_id	SMALLINT	Unique Identifier for customer
	staff_id	SMALLINT	Unique Identifier for staff
	rental_id	INTEGER	Unique Identifier for rental
	amount	NUMERIC(5,2)	Amount value
	payment_date	TIMESTAMP(6) W/O TIMEZONE	Payment date and time w/o timezone

Links To:

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

Links From: N/A

II. RENTAL TABLE

Key	Column	Data Type	Description
	rental_id	SERIAL	Unique Identifier for rental
	rental_date	TIMESTAMP(6) W/O TIME ZONE	Date of rental
	inventory_id	INTEGER	Unique Identifier for inventory
	customer_id	SMALLINT	Unique Identifier for customer
	return_date	TIMESTAMP(6) W/O TIME ZONE	Date movie was returned
	staff_id	SMALLINT	Unique Identifier for staff
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To:


Table	Link
Customer	rental.customer_id = customer.customer_id
Inventory	rental.inventory_id = inventory.inventory_id
Staff	rental.staff_id = staff.staff_id

Links From:

Table	Link
Payment	Payment.rental_id = rental.rental_id

3. DIMENSION TABLES

I. ACTOR TABLE



Key	Column	Data Type	Description
	actor_id	SERIAL	Unique Identifier of actor
	first_name	CHARACTER VARYING(45)	Actor first name
	last_name	CHARACTER VARYING(45)	Actor last name
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To: N/A

Links From:

Table	Link
Film Actor	film_actor.actor_id = actor.actor_id

II. ADDRESS TABLE

Key	Column	Data Type	Description
	address_id	SERIAL	Unique Identifier of address
	address	CHARACTER VARYING (50)	Address line 1
	address2	CHARACTER VARYING (50)	Address line 2
	district	CHARACTER VARYING (20)	District of the address
	city_id	SMALLINT	Unique Identifier of city
	postal_code	CHARACTER VARYING (10)	Postal code of the address
	phone	CHARACTER VARYING (20)	Phone number
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data


Links To:

Table	Link
City	address.city_id = city.city_id

Links From:

Table	Link
Customer	customer.address_id = address.address_id
Staff	staff.address_id = address.address_id
Store	store.address_id = address.address_id

III. CATEGORY TABLE



Key	Column	Data Type	Description
	category_id	SERIAL	Unique Identifier of category
	name	CHARACTER VARYING (25)	Name of category
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To: N/A

Links From:

Table	Link
Film Category	film_category.category_id = category.category_id

IV. CITY TABLE

Key	Column	Data Type	Description
	city_id	SERIAL	Unique Identifier of city
	city	CHARACTER VARYING (50)	City name
	country_id	SMALLINT	Unique Identifier of country
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data


Links To:

Table	Link
Country	city.country_id = country.country_id

Links From:

Table	Link
Address	address.city_id = city.city_id

V. COUNTRY TABLE




Key	Column	Data Type	Description
	country_id	SERIAL	Unique Identifier of country
	country	CHARACTER VARYING (50)	Country name
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To: N/A

Links From:

Table	Link
City	city.country_id = country.country_id

VI. CUSTOMER TABLE

Key	Column	Data Type	Description
	customer_id	SERIAL	Unique Identifier of customer
	store_id	SMALLINT	Unique Identifier of store
	first_name	CHARACTER VARYING (45)	Customer first name
	last_name	CHARACTER VARYING (45)	Customer last name
	email	CHARACTER VARYING (50)	Customer email address
	address_id	SMALLINT	Unique Identifier of address
	activebool	BOOLEAN	Whether customer is active
	create_date	DATE	Date customer first created
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data
	active	INTEGER	Active integer



Links To:

Table	Link
Address	customer.address_id = address.address_id

Links From:

Table	Link
Payment	payment.customer_id = customer.customer_id
Rental	rental.customer_id = customer.customer_id

VII. FILM TABLE

Key	Column	Data Type	Description
	film_id	SERIAL	Unique Identifier for film
	title	CHARACTER VARYING (255)	Title of film
	description	TEXT	Description of film
	release_year	YEAR	Year the film was released
	language_id	SMALLINT	Unique Identifier of language
	rental_duration	SMALLINT	Duration of rental
	rental_rate	NUMERIC (4,2)	Rental cost
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC(5,2)	Replacement cost if not returned
	rating	MPAA_RATING	Movie rating
	last_update	TIMESTAMP W/O TIME ZONE	Last update of table data

	special_features	TEXT	Special features of film
	fulltext	TSVECTOR	Film index



Links To:

Table	Link
Language	film.language_id = language.language_id

Links From:

Table	Link
Film Actor	film_actor.film_id = film.film_id
Film Category	film_category.film_id = film.film_id
Inventory	inventory.film_id = film.film_id

VIII. FILM ACTOR TABLE



Key	Column	Data Type	Description
	actor_id	SMALLINT	Unique Identifier for actor
	film_id	SMALLINT	Unique Identifier for film
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To:

Table	Link
Film	film_actor.film_id = film.film_id
Actor	film_actor.actor_id = actor.actor_id

Links From: N/A

IX. FILM CATEGORY TABLE




Key	Column	Data Type	Description
	film_id	SMALLINT	Unique Identifier of film
	category_id	SMALLINT	Unique Identifier of category
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To:

Table	Link
Category	film_category.category_id = category.category_id
Film	film_category.film_id = film.film_id

Links From: N/A

X. INVENTORY TABLE

Key	Column	Data Type	Description
	inventory_id	SERIAL	Unique Identifier for inventory
	film_id	SMALLINT	Unique Identifier for film
	store_id	SMALLINT	Unique Identifier for store
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data


Links To:

Table	Link
Film	inventory.film_id = film.film_id

Links From:

Table	Link
Rental	rental.inventory_id = inventory.inventory_id

XI. LANGUAGE TABLE




Key	Column	Data Type	Description
	language_id	SERIAL	Unique Identifier of language
	name	CHARACTER (20)	Name of language
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To: N/A

Links From:

Table	Link
Film	film.language_id = language.language_id

XII. STAFF TABLE

Key	Column	Data Type	Description
	staff_id	SERIAL	Unique Identifier of staff
	first_name	CHARACTER VARYING (45)	staff first name
	last_name	CHARACTER VARYING (45)	staff last name
	address_id	SMALLINT	Unique Identifier of address
	email	CHARACTER VARYING (50)	Staff email address
	store_id	SMALLINT	Unique Identifier of store
	active	BOOLEAN	Whether staff is active

	username	CHARACTER VARYING (16)	Staff username
	password	CHARACTER VARYING (40)	Staff password
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data




Links To:

Table	Link
Address	staff.address_id = address.address_id

Links From:

Table	Link
Payment	payment.staff_id = staff.staff_id
Rental	rental.staff_id = staff.staff_id
Store	store.staff_id = staff.staff_id

XIII. STORE TABLE

Key	Column	Data Type	Description
	store_id	SERIAL	Unique Identifier for store
	manager_staff_id	SMALLINT	Unique Identifier for managers
	address_id	SMALLINT	Unique Identifier for address
	last_update	TIMESTAMP(6) W/O TIME ZONE	Last update of table data

Links To:

Table	Link
Address	store.address_id = address.address_id
Staff	store.manager_staff_id = staff.staff_id

Links From: N/A