Rockbuster Stealth
Data Dictionary

RYAN CEMAZAR

ROCKBUSTER STEALTH | Email@RockbusterStealth.com

Table of Contents

Entity Relationship Diagram
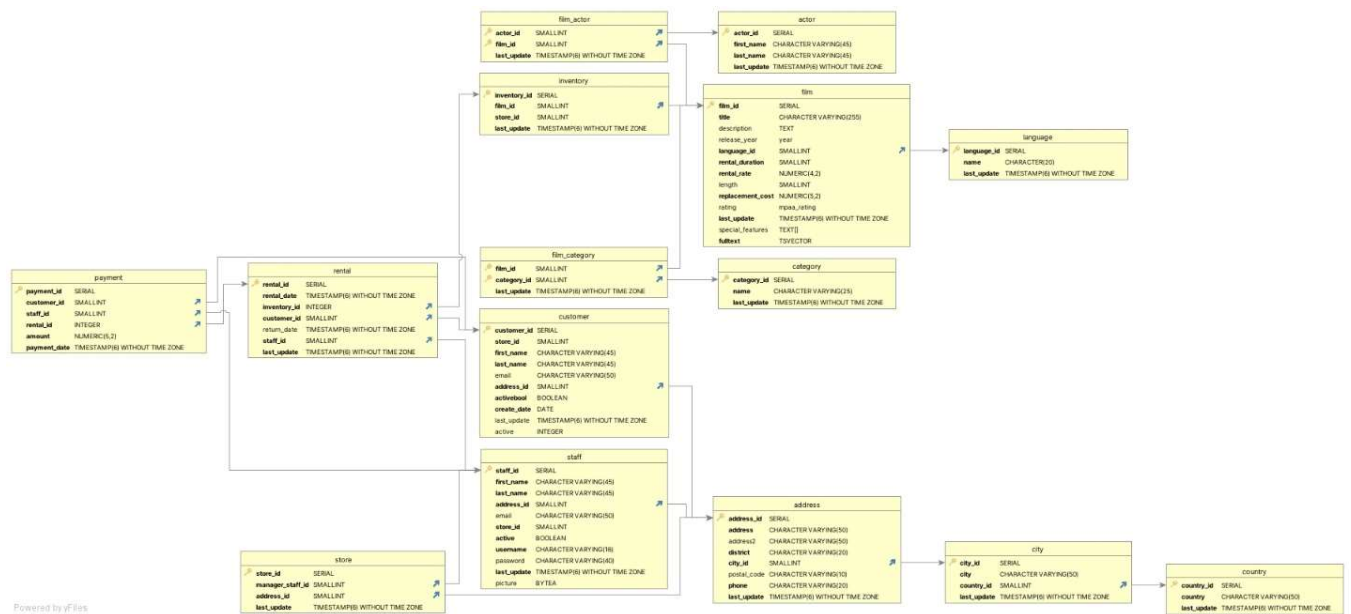
Legend

Primary Key

Foreign Key

3. Fact Tables

3.1 Payment Table

Key	Column Name	Data Type	Description
🔑	payment_id	serial	Unique payment ID
🔑	customer_id	smallint	Unique customer ID
🔑	staff_id	smallint	Unique staff ID
🔑	rental_id	integer	Unique rental ID
	amount	Numeric (5,2)	Amount of Payment
	payment_date	Timestamp without time zone	Date and Time of payment

Links To

Table	Join
customer	payment.customer_id=customer.customer_id
staff	payment.staff=staff.staff_id
rental	payment.rental_id=rental.rental_id

3.2 Rental Table

Key	Column Name	Data Type	Description
🔑	rental_id	integer	Unique Rental ID
	rental_date	Timestamp without time zone	Date and time of rental
🔑	inventory_id	integer	Unique Inventory ID
🔑	customer_id	smallint	Unique Customer ID
	return_date	Timestamp without time zone	Date and time of rental return
🔑	staff_id	smallint	Unique Staff ID
	last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
inventory	rental.inventory_id=inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff=staff.staff_id

Links From

Table	Join
payment	payment.rental_id=rental.rental_id

4. Dimension Tables

4.1 Actor Table

Key	Column Name	Data Type	Description
🔑	actor_id	serial	Unique ID of actor
	first_name	Character Varying (45)	First name of actor
	last_name	Character Varying (45)	Last name of actor
	last_update	Timestamp without time zone	Date and time of last update

Links From

Table	Join
film_actor	film_actor.actor_id=actor.actor_id

4.2 Film_Actor Table

Key	Column Name	Data Type	Description
🔑	actor_id	smallint	Unique actor ID
🔑	film_id	smallint	Unique film ID
	last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
actor	film_actor.actor_id=film_actor.actor_id
film	film_actor.film_id=film.film_id

4.3 Inventory Table

Key	Column Name	Data Type	Description
🔑	inventory_id	serial	Unique Inventory ID
🔑	film_id	smallint	Unique film ID
	store_id	smallint	Unique Store ID
	last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
film	inventory.inventory_id=film.inventory_id

Links From

Table	Join
rental	rental.inventory_id=inventory.inventory_id

4.4 Film Table

Key	Column Name	Data Type	Description
🔑	film_id	serial	Unique film ID
	title	Character Varying (255)	Name of film
	description	text	Description of film
	release_year	year	Year of film release
🔑	language_id	smallint	Unique language ID
	rental_duration	smallint	Duration of film rental in days
	rental_rate	Numeric (4,2)	Rating of rental
	length	smallint	Length of film
	replacement_cost	Numeric (5,2)	Cost to replace film
	rating	mpaa_rating	Rating of film
	last_update	Timestamp without time zone	Date and time of last update
	special_features	text[]	Special features of film (Trailers, etc.)
	fulltext	tsvector	Index of film for searching

Links To

Table	Join
language	film.language_id=language.language_id

Links From

Table	Join
inventory	Inventory.film_id=film.film_id

4.5 Language Table

Key	Column Name	Data Type	Description
🔑	language_id	serial	Unique language ID
	name	Character Varying (20)	Name of language
	last_update	Timestamp without time zone	Date and time of last update

Links From

Table	Join
Film	film.language _id=language.language _id

4.6 Film_Category Table

Key	Column Name	Data Type	Description
🔑	film_id	smallint	Unique film ID
🔑	category_id	smallint	Unique Category ID
	last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
film	film_category.film_id=film.film _id
category	film_category.category_id=category.category_id

4.7 Category Table

Key	Column Name	Data Type	Description
	category_id	serial	Unique Category ID (Primary Key)
	name	Character Varying (25)	Genre of film
	last_update	Timestamp without time zone	Date and time of last update

Links From

Table	Join
film_category	film_category.category_id=category.category_id

4.8 Customer Table

Key	Column Name	Data Type	Description
🔑	customer_id	serial	Unique customer ID
	store_id	smallint	Unique Store ID
	first_name	Character Varying (45)	First name of customer
	last_name	Character Varying (45)	Last name of customer
	email	Character Varying (50)	Email address of customer
🔑	address_id	smallint	Unique address ID of customer
	activebool	boolean	Customer's active status (Active, not active)
	create_date	Date	Customer's account creation date
	last_update	Timestamp without time zone	Date and time of last update
	active	integer	Customer's active status (0 or 1)

Links To

Table	Join
address	customer.address_id=address.address_id

Links From

Table	Join
rental	rental.customer_id=customer.customer_id

4.9 Staff Table

Key	Column Name	Data Type	Description
🔑	staff_id	serial	Unique staff ID
	first_name	Character Varying (45)	First name of staff
	last_name	Character Varying (45)	Last name of staff
🔑	address_id	smallint	Unique address ID
	email	Character Varying (50)	Email address of staff
	store_id	smallint	Unique Store ID
	active	boolean	Staff's active status (Active, not active)
	username	Character Varying (16)	Username of staff member account
	password	Character Varying (40)	Password of staff member account
	last_update	Timestamp without time zone	Date and time of last update
	picture	bytea	Account picture of staff

Links To

Table	Join
address	staff.address_id=address.address_id

Links From

Table	Join
payment	payment.staff_id=staff.staff _id

4.10 Store Table

Key	Column Name	Data Type	Description
🔑	Store_id	serial	Unique Store ID
🔑	Manager_staff_id	smallint	Unique manager ID
🔑	Address_id	smallint	Unique address ID
	Last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
staff	store.manager_staff_id=staff.staff _id
address	store.address_id=address.address_id

4.11 Address Table

Key	Column Name	Data Type	Description
🔑	Address_id	serial	Unique address ID of customer
	Address	Character Varying (50)	Primary address
	Address2	Character Varying (50)	Additional address info.
	District	Character Varying (20)	Name of district the address is in
🔑	City_id	smallint	Unique address ID of city
	Postal_code	Character Varying (10)	Postal Code of address
	Phone	Character Varying (20)	Phone Number associated with address
	Last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
city	address.city_id=city.city_id

Links From

Table	Join
customer	customer.address_id=address.address_id
staff	staff.address_id=address.address_id

4.12 City Table

Key	Column Name	Data Type	Description
	City_id	serial	Unique City ID
	City	Character Varying (50)	Name of city
	Country_id	smallint	Unique Country ID
	Last_update	Timestamp without time zone	Date and time of last update

Links To

Table	Join
country	city.country_id=country.country_id

Links From

Table	Join
address	address.city_id=city.city_id

4.13 Country Table

Key	Column Name	Data Type	Description
	Country_id	serial	Unique Country ID
	country	Character Varying (50)	Name of country
	Last_update	Timestamp without time zone	Date and time of last update

Links From

Table	Join
city	city.country_id=country.country_id