

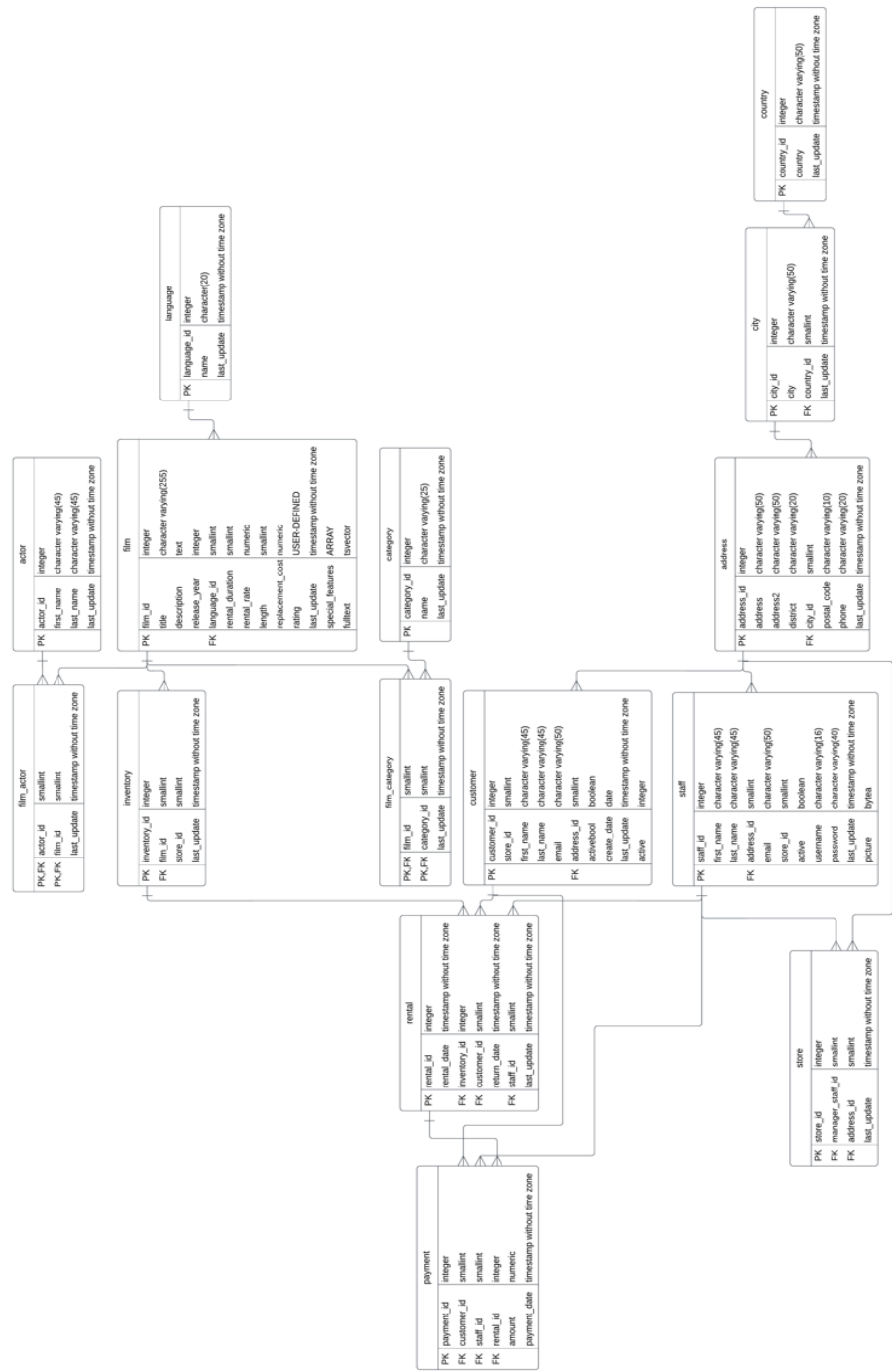


ROCKBUSTER STEALTH

DATA DICTIONARY

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PK = Primary Key
FK = Foreign Key

Fact Tables

Table: Rental

	Columns	Data Type	Description
PK	rental_id	integer	ID of rental transaction
	rental_date	timestamp without time zone	Date of rental
FK	inventory_id	integer	ID for rented item
FK	customer_id	smallint	ID for customer
	return_date	timestamp without time zone	Date of item return
FK	staff_id	smallint	ID for staff performing transaction
	last_update	timestamp without time zone	When table was 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

Linked from

Table	Join
Payment	payment.rental_id = rental.rental_id

Table: Payment

	Columns	Data Type	Description
PK	payment_id	integer	Unique ID of payment for rental
FK	customer_id	smallint	ID for customer
FK	staff_id	smallint	ID for staff performing transaction
FK	rental_id	integer	ID of rental transaction
	amount	numeric	Amount paid for rental
	payment_date	timestamp without time zone	Date of payment

Links to:

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

Linked from:

N/A

Dimension Tables

Table: Store

	Columns	Data Type	Description
PK	store_id	integer	Unique ID for store
FK	manager_staff_id	smallint	ID for manager of store
FK	address_id	smallint	Address ID for the store
	last_update	Timestamp without time zone	Last update of table

Links to:

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

Linked from:

N/A

Table: Staff

	Columns	Data Type	Description
PK	staff_id	integer	Unique ID for staff member
	first_name	character varying(45)	First name of staff number
	last_name	character varying(45)	Last name of staff member
FK	address_id	smallint	Address ID for the store
	email	character carrying(50)	Email of staff member
FK	store_id	smallint	Unique ID for store
	active	boolean	Active employee yes or no
	username	character varying(16)	Username of staff member
	password	character varying(40)	Password of staff member
	last_update	timestamp without time zone	Last update of table
	picture	bytea	Picture of staff member

Links to:

Table	Join
Address	staff.address_id = address.address_id

Linked from:

Table	Join
Payment	payment.staff_id = staff.staff_id
Rental	rental.staff_id = staff.staff_id
Store	store.manager_staff_id = staff.staff_id

Table: Customer

	Columns	Data Type	Description
PK	customer_id	integer	ID for customer
FK	store_id	smallint	Unique ID for store
	first_name	character varying(45)	First name of customer
	last_name	character varying(45)	Last name of customer
	email	character varying(50)	Email of customer
FK	address_id	smallint	Address ID for the store
	activebool	boolean	Customer active yes or no
	create_date	date	Date when customer first entered
	last_update	timestamp without time zone	Last update of table
	active	integer	Active integer

Links to:

Table	Join
Address	customer.address_id = address.address_id

Linked from:

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

Table: Address

	Columns	Data Type	Description
PK	address_id	integer	Unique ID for address
	address	character varying(50)	Address
	address2	character varying(50)	Address line 2
	district	character varying(20)	District
FK	city_id	smallint	ID of city
	postal_code	character varying(10)	Postal code
	phone	character varying(20)	Phone number
	last_update	timestamp without time zone	Last update of table

Links to:

Table	Join
City	address.city_id = city.city_id

Linked from:

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

Table: City

	Columns	Data Type	Description
PK	city_id	integer	Unique city ID
	city	character varying(50)	City name
FK	country_id	smallint	Unique ID of country
	last_update	timestamp without time zone	Last update of table

Links to:

Table	Join
Country	city.country_id = country.country_id

Linked from:

Table	Join
Address	address.city_id = city.city_id

Table: Country

	Columns	Data Type	Description
PK	country_id	integer	Unique ID for country
	country	character varying(50)	Country name
	last_update	timestamp without time zone	Last update of table

Links to:

N/A

Linked from:

Table	Join
City	city.country_id = country.country_id

Table: Film Category

	Columns	Data Type	Description
PK	film_id	smallint	Unique ID for film
PK	category_id	smallint	Unique ID for category
	last_update	timestamp without time zone	Last update of table

Links to:

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

Linked from:

N/A

Table: Category

	Columns	Data Type	Description
PK	category_id	integer	Unique ID for category
	name	character varying(25)	Name of category
	last_update	timestamp without time zone	Last update of table

Links to:

N/A

Linked from:

Table	Join
Film Category	film_category.category_id = category.category_id

Table: Inventory

	Columns	Data Type	Description
PK	inventory_id	integer	Unique ID for inventory item
FK	film_id	smallint	Unique ID for film
	store_id	smallint	Unique ID for store
	last_update	timestamp without time zone	Last update of table

Links to:

Table	Join
Film	inventory.film_id = film.film_id

Linked from:

Table	Join
Rental	rental.inventory_id = inventory.inventory_id

Table: Film

	Columns	Data Type	Description
PK	film_id	integer	Unique ID for film
	title	character varying(255)	Title of film
	description	text	Description of film
	release_year	integer	Year film released
FK	language_id	smallint	Unique ID for language of the film
	rental_duration	smallint	Duration of rental (days)
	rental_rate	numeric	Cost of rental
	length	smallint	Length of film
	replacement_cost	numeric	Cost of replacing if rental not returned
	rating	USER-DEFINED	Rating of movie
	last_update	timestamp without time zone	Last update of table
	special_features	ARRAY	Features of the film
	fulltext	tsvector	Index for film

Links to:

Table	Join
Language	film.language_id = language.language_id

Linked from:

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: Film Actor

	Columns	Data Type	Description
PK	actor_id	smallint	Unique ID for actor
PK	film_id	smallint	Unique ID for film
	last_update	timestamp without time zone	Last update of table

Links to:

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

Linked from:

N/A

Table: Actor

	Columns	Data Type	Description
PK	actor_id	integer	Unique ID for 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	Last update of table

Links to:

N/A

Linked from:

Table	Join
Film Actor	film_actor.actor_id = actor.actor_id

Table: Language

	Columns	Data Type	Description
PK	language_id	integer	Unique ID for language
	name	character(20)	Name of category
	last_update	timestamp without time zone	Last update of table

Links to:

N/A

Linked from:

Table	Join
Film	film.language_id = language.language_id