

ROCKBUSTER

Stealth

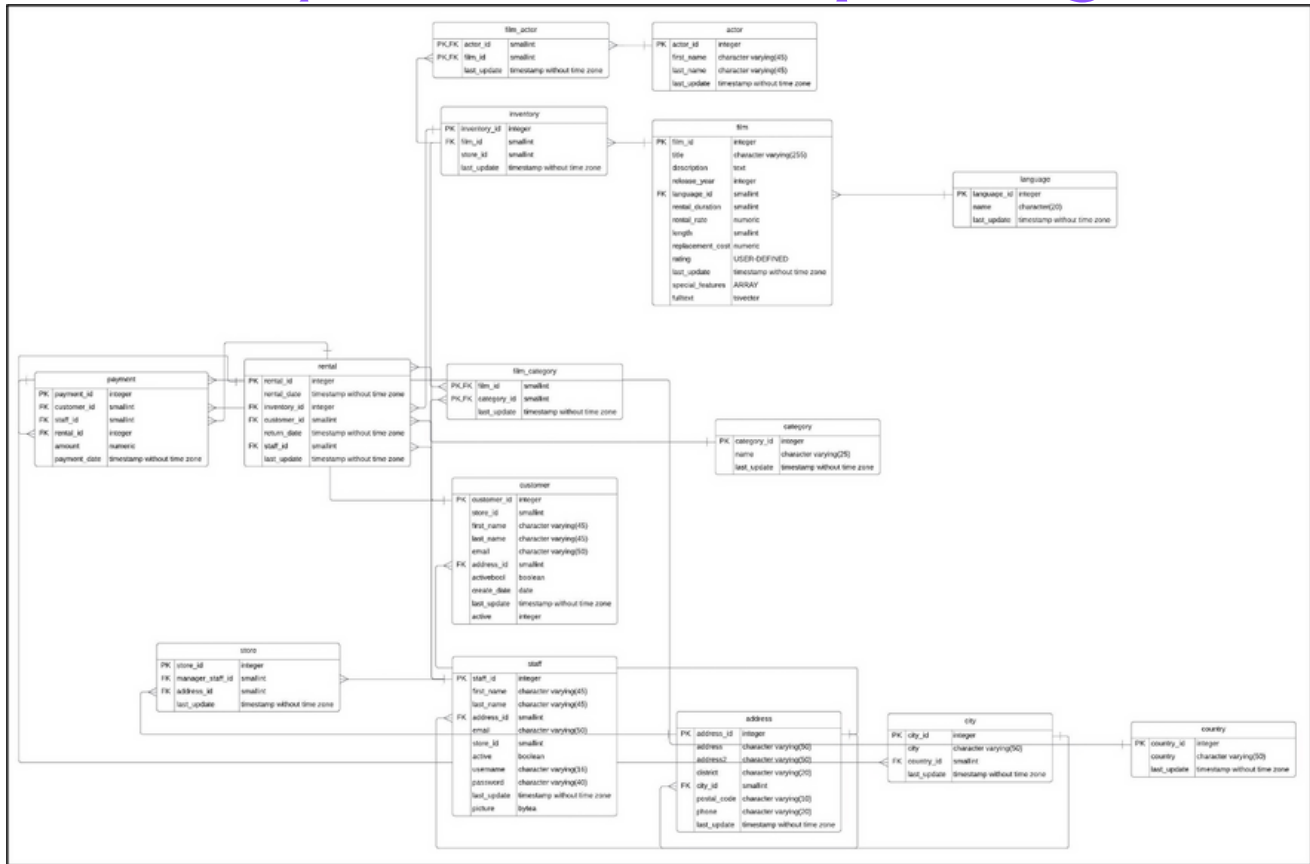
DATA DICTIONARY



TABLE OF CONTENTS

1. Entity Relationship Diagram	3
2. Data Tables	4
2.1 Film Tables	
2.1.1 Table: actor	4
2.1.2 Table: category	5
2.1.3 Table: film	6
2.1.4 Table: film_actor	7
2.1.5 Table: film_category	8
2.1.6 Table: inventory	9
2.1.7 Table: language	10
2.2 Payment Tables	
2.2.1 Table: payment	11
2.2.2 Table: rental	12
2.3 People Tables	
2.3.1 Table: customer	14
2.3.2 Table: staff	15
2.3.3 Table: store	16
2.4 Location Tables	
2.4.1 Table: address	18
2.4.2 Table: city	19
2.4.3 Table: country	20

1. Entity Relationship Diagram




2. Data Tables


2.1 Film Tables

2.1.1. Actor




Descriptive table for film actors

	Name	Data Type	Description
	actor_id	integer	Primary key. Unique numerical ID of actor.
	first_name	character varying (45)	Actor first name.
	last_name	character varying (45)	Actor last name.
	last_update	timestamp without time zone	Most recent update (date / time).

Links to


	Name	Join
	language	film.language_id = language.language_id

Linked from


	Name	Join
	film_actor	film.film_id = film_actor.film_id
	inventory	film.film_id = inventory.film_id
	film_category	film.film_id = film_category.film_id

2.1.2 Category

Descriptive table for film categories


Name		Data Type	Description
	category_id	integer	Primary key. Unique numerical ID of category.
	name	character varying (25)	Film category / genre.
	last_update	timestamp without time zone	Most recent update (date / time).

Linked from


Name		Join
	film_category	category.category_id = film_category.category_id

2.1.3 Film


Descriptive table of films.

	Name	Data Type	Description
	film_id	integer	Primary key. Unique numerical ID of film.
	title	character varying (25)	Film title.
	description	text	Film text description.
	release_year	integer	Film release year.
	language_id	smallint	Foreign key. Unique numerical ID of language.
	rental_duration	smallint	Film rental duration (days).
	rental_rate	numeric	Film rental cost.
	length	smallint	Film length minutes.
	replacement_cost	numeric	Rental replacement cost.
	rating	USER-DEFINED	MPAA rating.
	last_update	timestamp without time zone	Most recent update (date / time).
	special_features	ARRAY	Film special features.
	fulltext	tsvector	Film word index.

Links to



Name		Join
	language	film.language_id = language.language_id

Linked from


Name		Join
	film_actor	film.film_id = film_actor.film_id
	inventory	film.film_id = inventory.film_id
	film_category	film.film_id = film_category.film_id

2.1.4 Film Actor




Numerical IDs of actors and films..

	Name	Data Type	Description
	actor_id	smallint	Combined primary key. Unique numerical ID of actor.
	film_id	smallint	Combined primary key. Unique numerical ID of film.
	last_update	timestamp without time zone	Most recent update (date / time).

Links to



Name		Join
	actor	film_actor.actor_id = actor.actor_id

Linked from


Name		Join
	inventory	film_actor.film_id = inventory.film_id
	film	film_actor.film_id = film.film_id
	film_category	film_actor.film_id = film_category.film_id

2.1.5 Film Category


Cross-reference table displaying how each film is categorized

Name		Data Type	Description
	film_id	smallint	Combined primary key. Unique numerical ID of film.
	category_id	smallint	Combined primary key. Unique numerical ID of category.
	last_update	timestamp without time zone	Most recent update (date / time).

Links to




Name		Join
	category	film_category.category_id = category.category_id

Linked from


Name		Join
	film	film_category.film_id = film.film_id

2.1.6 Inventory


Inventory, film and store information

Name		Data Type	Description
	inventory_id	integer	Primary key. Unique numerical ID of actor.
	film_id	smallint	Foreign key. Unique numerical ID of film.
	store_id	smallint	Foreign key. Unique numerical ID of store.
	last_update	timestamp without time zone	Most recent update (date / time).

Links to


Name		Join
	film	inventory.film_id = film.film_id

Linked from


Name		Join
	rental	inventory.inventory_id = rental.inventory_id

2.1.7 Language

Languages in each film and corresponding numerical IDs.

Name		Data Type	Description
	language_id	integer	Primary key. Unique numerical ID of language.
	name	character varying (20)	Name of language.
	last_update	timestamp without time zone	Most recent update (date / time).





Linked from

Name		Join
	film	language.language_id = film.language_id




2.2 Payment Tables

2.2.1 Payment

Amount paid and, numerical IDs of payment, customer, staff and rental.





	Name	Data Type	Description
	payment_id	integer	Primary key. Unique numerical ID of rental payment.
	customer_id	smallint	Foreign key. Unique numerical ID of customer.
	staff_id	smallint	Foreign key. Unique numerical ID of staff.
	rental_id	integer	Foreign key. Unique numerical ID of rental.
	amount	numeric	Amount paid.
	payment_date	timestamp without time zone	Date and time of payment.

Links to




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

2.2.2 Rental


Numerical IDs for rental, inventory, customer and staff. Rental and return dates.

	Name	Data Type	Description
	rental_id	integer	Primary key. Unique numerical ID of rental.
	rental_date	timestamp without time zone	Date of rental.
	inventory_id	integer	Foreign key. Unique numerical ID of inventory item.
	customer_id	smallint	Foreign key. Unique numerical ID of customer.
	return_date	timestamp without time zone	Date / time returned.
	staff_id	smallint	Foreign key. Unique numerical ID of staff.
	last_update	timestamp without time zone	Most recent update (date / time).

Links to

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




Linked from

Name		Join
	payment	rental.rental_id = payment.rental_id


2.3 People Tables

2.3.1 Customer


Name, contact and customer information.

	Name	Data Type	Description
	customer_id	integer	Primary Key for customer. Numerical ID of customer.
	store_id	smallint	Foreign key. Unique numerical ID 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_id	smallint	Foreign key. Unique numerical ID of customer address.
	activebool	boolean	True / False active customer.
	create_date	date	Date customer account created.
	last_update	timestamp without time zone	Most recent update (date / time).
	active	integer	Active integer.

Links to



	Name	Join
	Staff	customer.address_id = rental.address_id

Linked from


Name		Join
	rental	customer.customer_id = staff.customer_id

2.3.2 Staff




Staff name, numerical ID and store contact information.

	Name	Data Type	Description
	staff_id	integer	Primary key. Unique numerical ID of staff.
	first_name	character varying (45)	Staff first name.
	last_name	character varying (45)	Staff last name.
	address_id	smallint	Foreign key. Unique numerical ID of staff address.
	email	character varying (50)	Customer email.
	store_id	smallint	Foreign key. Unique numerical ID of store.
	active	boolean	True / false active address.
	username	character varying (16)	Staff username.
	password	character varying (40)	Staff password.
	last_update	timestamp without time zone	Most recent update (date / time).
	picture	bytea	Staff picture.

Links to




Name		Join
	address	staff.address_id = address.address_id

Linked from



Name		Join
	customer	staff.address_id = customer.address_id
	store	staff.store_id = store.store_id
	payment	staff.staff_id = payment.staff_id

2.3.3 Store

Numerical IDs for store, manager, and address.

Name		Data Type	Description
	store_id	integer	Primary key. Unique numerical ID of store.
	manager_staff_id	smallint	Foreign key. Unique numerical ID of store manager.
	address_id	smallint	Foreign key. Unique numerical ID of store address.
	last_update	timestamp without time zone	Most recent update (date / time).



Links to

	Name	Join
	staff	store.address_id = staff.address_id
	address	store.address_id = address.address_id

2.4 Location Tables

2.4.1 Address



Customer address, district, city, postal code, phone number.

	Name	Data Type	Description
	address_id	integer	Primary key. Unique numerical ID of customer address.
	address	character varying (50)	Customer address (1st line).
	address2	character varying (50)	Customer address (2nd line).
	district	character varying (20)	Customer address district.
	city_id	smallint	Foreign key. Unique numerical ID of customer city.
	postal code	character varying (10)	Customer postal code.
	phone	character varying (20)	Customer phone number.
	last_update	timestamp without time zone	Most recent update (date/time).

Links to



	Name	Join
	city	address.city_id = city.city_id

Linked from

	Name	Join
	staff	address.city_id = city.city_id
	store	address.address_id = store.address_id

2.4.2 City

Numerical IDs of customer city and country.

	Name	Data Type	Description
	city_id	integer	Primary key. Unique numerical ID of customer city.
	country_id	smallint	Foreign key. Unique numerical ID of customer country.
	last_update	timestamp without time zone	Most recent update (date / time).

Links to


	Name	Join
	country	city.city_id = country.city_id

Linked from

Name		Join
	address	city.city_id = address.city_id

2.4.3 Country

Customer country name and numerical ID.

	Name	Data Type	Description
	country_id	integer	Primary key. Unique numerical ID of customer country.
	country	character varying (50)	Country of customer.
	last_update	timestamp without time zone	Most recent update (date / time).

Linked from

Name		Join
	city	country.city_id = city.city_id