Rockbuster Stealth

Data Dictionary

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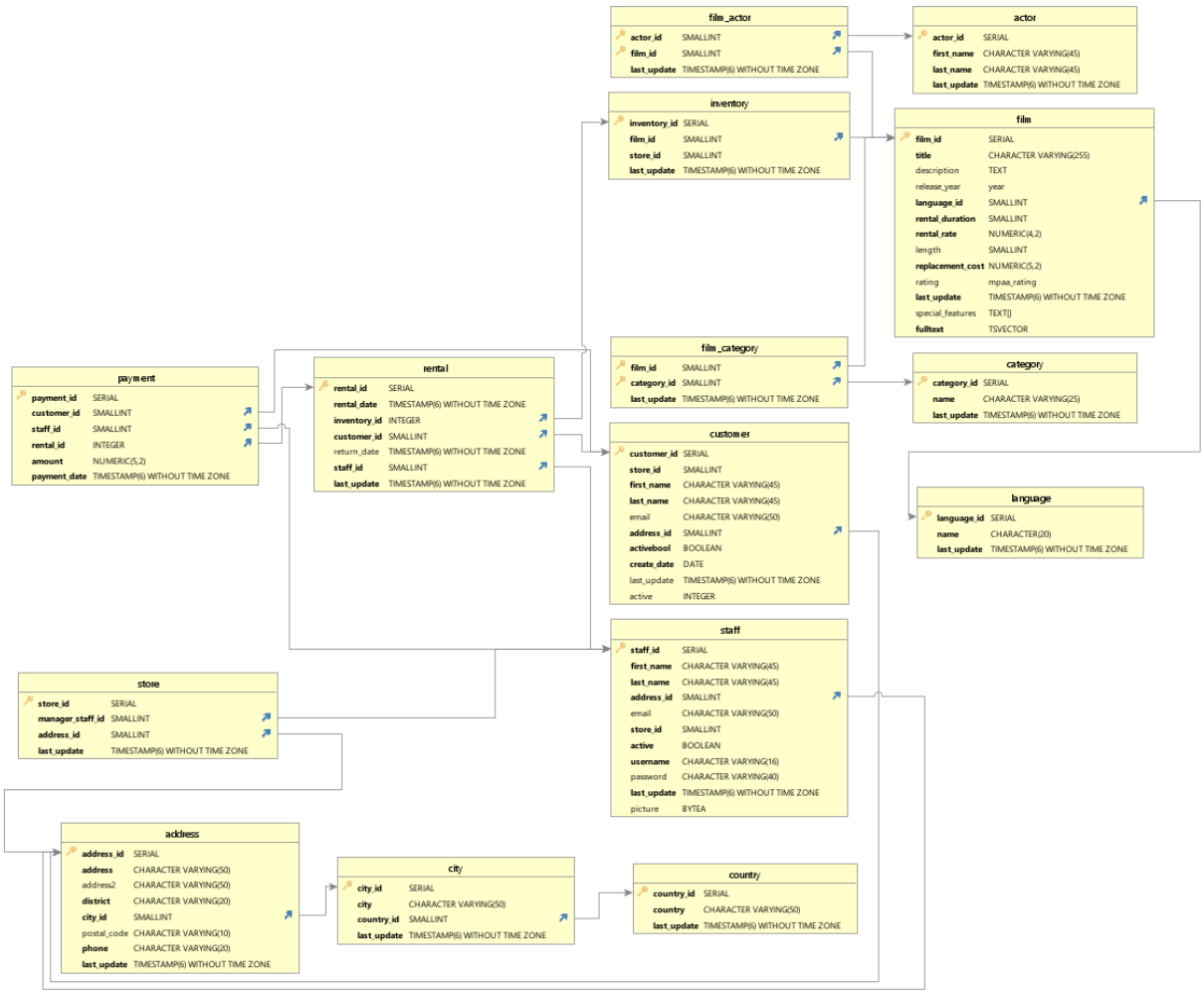
Entity Relationship Diagram



Legend

- Primary key
- Composite key
- Foreign key
- Links to
- Links from

Tables

actor

Columns

	Column	Data Type	Description
	actor_id	SERIAL	Primary key for actor records
	first_name	CHARACTERVARYING(45)	First name of actor
	last_name	CHARACTERVARYING(45)	Last name of actor
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links from

	Table	Join	Description
	film_actor	actor.actor_id = film_actor.actor_id	Foreign key referencing actor.actor_id

address

Columns

	Column	Date Type	Description
	address_id	SERIAL	Primary key for address records
	address	CHARACTERVARYING(50)	Street address
	address2	CHARACTERVARYING(50)	Supplemental street address
	district	CHARACTERVARYING(20)	District
	city_id	SMALLINT	Foreign key for city records
	postal_code	CHARACTERVARYING(10)	Postal code
	phone	CHARACTERVARYING(20)	Phone number
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
	city	address.city_id = city.city_id	Foreign key referencing city.city_id

Links from

	Table	Join	Description
←	customer	address.address_id = customer.address_id	Foreign key referencing address.address_id
←	staff	address.address_id = staff.address_id	Foreign key referencing address.address_id
←	store	address.address_id = store.address_id	Foreign key referencing address.address_id

category

Columns

	Column	Data Type	Description
🔑	category_id	SERIAL	Primary key for category records
	name	CHARACTERVARYING(25)	Name of genre
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links from

	Table	Join	Description
←	film_category	category.category_id = film_category.category_id	Foreign key referencing category.category_id

city

Columns

	Column	Data Type	Description
🔑	city_id	SERIAL	Primary key for city records
	city	CHARACTERVARYING(50)	Name of city
🔑	country_id	SMALLINT	Foreign key for country
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
→	country	city.county_id = country.country_id	Foreign key referencing country.country_id

Links from

	Table	Join	Description
←	address	city.city_id = address.city_id	Foreign key referencing city.city_id

country

Columns

	Column	Data Type	Description
🔑	country_id	SERIAL	Primary key for country records
	country	CHARACTERVARYING(50)	Name of country
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links from

	Table	Join	Description
←	city	country.country_id = city.country_id	Foreign key referencing country.country_id

customer

Columns

	Column	Data Type	Description
🔑	customer_id	SERIAL	Primary key for customer records
	store_id	SMALLINT	Number assigned to store
	first_name	CHARACTERVARYING(45)	First name of customer
	last_name	CHARACTERVARYING(45)	Last name of customer
	email	CHARACTERVARYING(50)	E-mail address of customer
🔑	address_id	SMALLINT	Foreign key for address
	activebool	BOOLEAN	Indicates whether customer is active
	create_date	DATE	Date entry was created
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated
	active	INTEGER	Indicates whether customer is active

Links to

	Table	Join	Description
→	address	customer.address_id = address.address_id	Foreign key referencing address.address_id

Links from

	Table	Join	Description
←	payment	customer.customer_id = payment.customer_id	Foreign key referencing customer.customer_id
←	rental	customer.customer_id = rental.customer_id	Foreign key referencing customer.customer_id

film

Columns

	Column	Data Type	Description
🔑	film_id	SERIAL	Primary key for film records
	title	CHARACTERVARYING(255)	Title of film
	description	TEXT	Description of film
	release_year	year	Release year of film
🔑	language_id	SMALLINT	Foreign key for language
	rental_duration	SMALLINT	Length of film rental
	rental_rate	NUMERIC(4,2)	Price of film rental
	length	SMALLINT	Length of film
	replacement_cost	NUMER(5,2)	Cost to replace film
	rating	mpaa_rating	Film rating
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated
	special_features	TEXT[]	Special features included with film
	fulltext	TSVECTOR	Keywords associated with film

Links to

	Table	Join	Description
→	language	film.language_id = language.language_id	Foreign key referencing language.language_id

Links from

	Table	Join	Description
←	film_actor	film.film_id = film_actor.film_id	Foreign key referencing film.film_id
←	film_category	film.film_id = film_category.film_id	Foreign key referencing film.film_id
←	inventory	film.film_id = inventory.film_id	Foreign key referencing film.film_id

film_actor

Columns

	Column	Data Type	Description
	actor_id	SMALLINT	Composite key for film_actor records, foreign key for actor
	film_id	SMALLINT	Composite key for film_actor records, foreign key for film
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
	actor	film_actor.actor_id = actor.actor_id	Foreign key referencing actor.actor_id
	film	film_actor.film_id = film.film_id	Foreign key referencing film.film_id

film_category

Columns

	Column	Data Type	Description
	film_id	SMALLINT	Composite key for film_category records, foreign key for film
	category_id	SMALLINT	Composite key for film_category records, foreign key for category
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
	category	film_category.category_id = category.category_id	Foreign key referencing category.category_id
	film	film_category.film_id = film.film_id	Foreign key referencing film.film_id

inventory

Columns

	Column	Data Type	Description
	inventory_id	SERIAL	Primary key for inventory records
	film_id	SMALLINT	Foreign key for film
	store_id	SMALLINT	Number assigned to store
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
	film	inventory.film_id = film.film_id	Foreign key referencing film.film_id

Links from

	Table	Join	Description
	rental	inventory.inventory_id = rental.inventory_id	Foreign key referencing inventory.inventory_id

language

Columns

	Column	Data Type	Description
	language_id	SERIAL	Primary key for language records
	name	CHARACTER(20)	Name of language
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links from

	Table	Join	Description
	film	language.language_id = film.language_id	Foreign key referencing language.language_id

payment

Columns

	Column	Data Type	Description
	payment_id	SERIAL	Primary key for payment records
	customer_id	SMALLINT	Foreign key for customer
	staff_id	SMALLINT	Foreign key for staff
	rental_id	INTEGER	Foreign key for rental
	amount	NUMERIC(5,2)	Amount paid
	payment_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of payment

Links to

	Table	Join	Description
	customer	payment.customer_id = customer.customer_id	Foreign key referencing customer.customer_id
	rental	payment.rental_id = rental.rental_id	Foreign key referencing rental.rental_id
	staff	payment.staff_id = staff.staff_id	Foreign key referencing staff.staff_id

rental

Columns

	Column	Data Type	Description
	rental_id	SERIAL	Primary key for rental records
	rental_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date of rental
	inventory_id	INTEGER	Foreign key for inventory
	customer_id	SMALLINT	Foreign key for customer
	return_date	TIMESTAMP(6) WITHOUT TIMEZONE	Date rental was returned
	staff_id	SMALLINT	Foreign key for staff
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
	customer	rental.customer_id = customer.customer_id	Foreign key referencing customer.customer_id
	inventory	rental.inventory_id = inventory.inventory_id	Foreign key referencing inventory.inventory_id
	staff	rental.staff_id = staff.staff_id	Foreign key referencing staff.staff_id

Links from

	Table	Join	Description
	payment	rental.rental_id = payment.rental_id	Foreign key referencing rental.rental_id

staff

Columns

	Column	Data Type	Description
	staff_id	SERIAL	Primary key for staff records
	first_name	CHARACTERVARYING(45)	First name of employee
	last_name	CHARACTERVARYING(45)	Last name of employee
	address_id	SMALLINT	Foreign key for address
	email	CHARACTERVARYING(50)	E-mail address of employee
	store_id	SMALLINT	Number assigned to store
	active	BOOLEAN	Indicates whether employee is active
	username	CHARACTERVARYING(16)	Username of employee
	password	CHARACTERVARYING(40)	Password of employee
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated
	picture	BYTEA	Picture of employee

Links to

	Table	Join	Description
	address	staff.address_id = address.address_id	Foreign key referencing address.address_id

Links from

	Table	Join	Description
	payment	staff.staff_id = payment.staff_id	Foreign key referencing staff.staff_id
	rental	staff.staff_id = rental.staff_id	Foreign key referencing staff.staff_id
	store	staff.staff_id = store.manager_staff_id	Foreign key referencing staff.staff_id

store

Columns

	Column	Data Type	Description
	store_id	SERIAL	Primary key for store records
	manager_staff_id	SMALLINT	Foreign key for staff
	address_id	SMALLINT	Foreign key for address
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Date entry was last updated

Links to

	Table	Join	Description
	address	store.address_id = address.address_id	Foreign key referencing address.address_id
	staff	store.manager_staff_id = staff.staff_id	Foreign key referencing staff.staff_id