



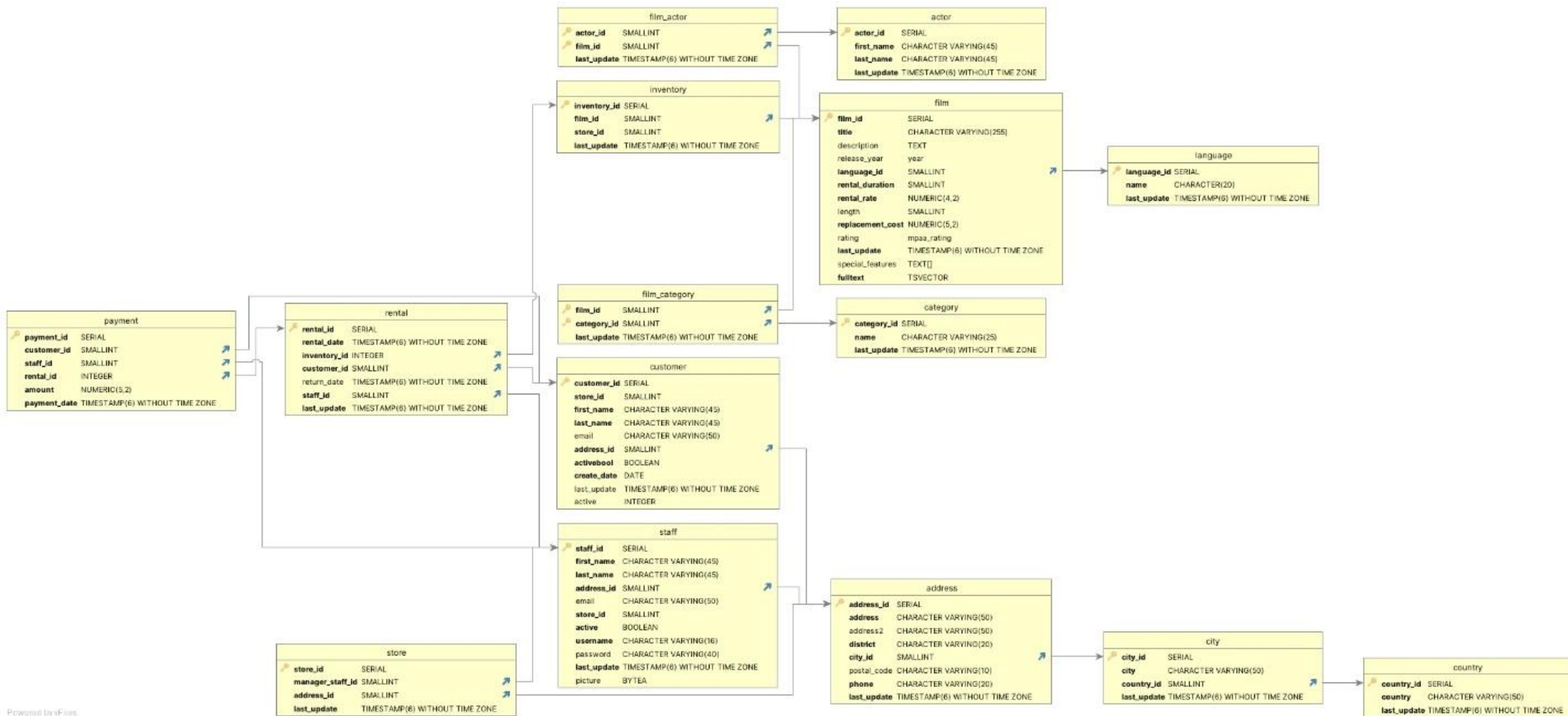
Rockbuster Stealth LLC

Data Dictionary

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1. Entity Relationship Diagram (ERD)



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2. Fact Tables

a. Payment Table

Unique Key	Column	Data Type	Description
PK	payment_id	Serial	ID of payment
FK	customer_id	Smallint	ID of customer
FK	staff_id	Smallint	ID of staff
FK	rental_id	Integer	ID of rental
	amount	Numeric (5,2)	Amount of payment
	payment_date	Timestamp (6) without time zone	Date and time of payment

Links to

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table
Rental	Foreign key reference to rental table

b. Rental Table

Unique Key	Column	Data Type	Description
PK	rental_id	Serial	ID of rental
	rental_date	Timestamp (6) without time zone	Date and time of rental
FK	inventory_id	Integer	ID of inventory item
FK	customer_id	Smallint	ID of customer
	return_date	Timestamp (6) without time zone	Date of return
FK	staff_id	Smallint	ID of staff
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
Inventory	Foreign key reference to inventory table
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table

Links from

Table	Description
Payment	Foreign key reference to payment table

3. Dimension Tables

a. Address Table

Unique Key	Column	Data Type	Description
PK	address_id	Serial	ID of address
	address	Character varying (50)	Address of store
	address2	Character varying (50)	City, state, zip of store
	district	Character varying (20)	District of store
FK	city_id	Smallint	ID of city
	postal_code	Character varying (10)	Mailing code
	phone	Character varying (20)	Phone number for address
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
City	Foreign key reference to city table

Links from

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table

Store	Foreign key reference to store table
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b. Category Table

Unique Key	Column	Data Type	Description
PK	category_id	Serial	ID of category
	name	Character varying (25)	Name of category
	last_update	Timestamp (6) without time zone	Time of last update

Links from

Table	Description
Film_category	Foreign key reference to film_category table

c. City Table

Unique Key	Column	Data Type	Description
PK	city_id	Serial	ID of city
	city	Character varying (50)	Name of city
FK	country_id	Smallint	ID of country
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
Country	Foreign key reference to country table

Links from

Table	Description
Address	Foreign key reference to address table

d. Country Table

Unique Key	Column	Data Type	Description
PK	country_id	Serial	Unique country identifier
	country	Character varying (50)	Country name

	last_update	Timestamp (6) without time zone	Date of last update
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Links from

Table	Description
City	Foreign key reference to city table

e. Customer Table

Unique Key	Column	Data Type	Description
PK	customer_id	Serial	ID of customer
	store_id	Smallint	ID of 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	ID of address
	activebool	Boolean	Whether customer is active
	create_date	Date	Date of customer profile
	last_update	Timestamp (6) without time zone	Time of last update
	active	Integer	Active status in 0 or 1

Links to

Table	Description
Address	Foreign key reference to address table

Links from

Table	Description
Payment	Foreign key reference to payment table
Rental	Foreign key reference to rental table

f. Film_actor Table

Unique Key	Column	Data Type	Description
PK/FK	actor_id	Smallint	ID of actor
PK/FK	film_id	Smallint	ID of film
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
Actor	Foreign key reference to actor table
Film	Foreign key reference to film table

g. Film_category Table

Unique Key	Column	Data Type	Description
PK/FK	film_id	Smallint	ID of film
PK/FK	category_id	Smallint	ID of category
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
Category	Foreign key reference to category table
Film	Foreign key reference to film table

h. Inventory Table

Unique Key	Column	Data Type	Description
PK	inventory_id	Serial	ID of inventory
FK	film_id	Smallint	ID of film
	store_id	Smallint	ID of store
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
Film	Foreign key reference to film table

Links from

Table	Description
Rental	Foreign key reference to rental table

i. Language Table

Unique Key	Column	Data Type	Description
PK	Language_id	Serial	ID of languages
	Name	Character varying (50)	Name of languages
	Last_update	Timestamp (6) without time zone	Time of last update

Links from

Table	Description
Film	Foreign key reference to film table

j. Staff Table

Unique Key	Column	Data Type	Description
PK	staff_id	Serial	ID of staff
	first_name	Character varying (45)	First name of Staff
	last_name	Character varying (45)	Last name of staff
FK	address_id	Smallint	ID of address
	email	Character varying (50)	Email of staff
	store_id	Smallint	ID of store
	active	Boolean	Staff active status
	username	Character varying (16)	Staff username
	password	Character varying (40)	Staff password
	last_update	Timestamp (6) without time zone	Time of last update
	picture	Bytea	Photo of staff member

Links to

Table	Description
Address	Foreign key reference to address table

Links from

Table	Description
Payment	Foreign key reference to payment table
Rental	Foreign key reference to rental table
Store	Foreign key reference to store table

k. Film Table

Unique Key	Column	Data Type	Description
PK	film_id	Serial	ID of film
	title	Character varying (255)	Name of film
	description	Text	Description of film
	release_year	Year	Year film was released
FK	language_id	Smallint	ID of languages
	rental_duration	Smallint	Duration of rental
	rental_rate	Numeric (4,2)	Times film was rented
	length	Smallint	Length of film
	replacement_cost	Numeric (5,2)	Cost to replace rental
	rating	Mpaa_rating	Film rating
	last_update	Timestamp (6) without time zone	Time last updated
	special_features	Text[]	Rental special features
	fulltext	Tsvector	Film index, contains count of key words

Links to

Table	Description
Language	Foreign key reference to language table

Links from

Table	Description
Film_actor	Foreign key reference to film_actor table
Inventory	Foreign key reference to inventory table
Film_category	Foreign key reference to film_category table

I. Store

Unique Key	Column	Data Type	Description
PK	store_id	Serial	ID of store
FK	manager_staff_id	Smallint	ID of store manager
FK	address_id	Smallint	ID of store
	last_update	Timestamp (6) without time zone	Time of last update

Links to

Table	Description
Staff	Foreign key reference to staff table
Address	Foreign key reference to address table

m. Actor

Unique Key	Column	Data Type	Description
PK	actor_id	Serial	ID of actor
	first_name	Character varying (45)	First name of actor
	last_name	Character varying (45)	Last name of actor
	last_update	Timestamp (6) without time zone	Time of last update

Links from

Table	Description
Film_actor	Foreign key reference to film_actor table