

# Rockbuster Stealth

## Data Dictionary

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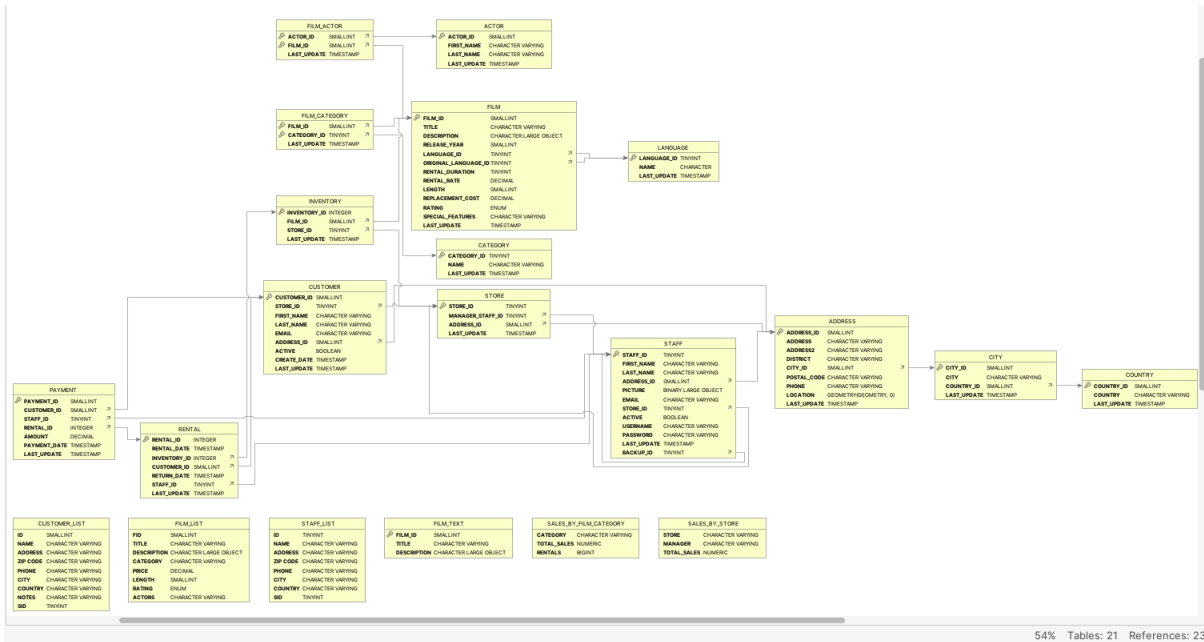
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## 1. Overview

This data dictionary offers a comprehensive overview of the Rockbuster Stealth Database, detailing its structure, key attributes, and relationships.

It documents the schema thoroughly, including fact and dimension tables, their fields, and associated primary and foreign key constraints. The goal is to provide a clear and accessible understanding of database design and data organization.

## 2. Relationships and Keys



## 3. Facts Tables

### 3.1. Payment Table

Key	Columns	Data type	Description
Primary	payment_id	SERIAL	Unique ID for payments
Foreign	customer_id	SMALLINT	Customer ID
Foreign	staff_id	SMALLINT	Staff ID
Foreign	rental_id	INTEGER	Unique ID for rental
	amount	NUMERIC (5, 2)	Amount paid
	payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Payment date and time

### 3.2. Rental Table

Key	Columns	Data type	Description
Primary	rental_id	SERIAL	Unique ID for rentals
	rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Rental date and time
Foreign	inventory_id	INTEGER	Inventory ID
Foreign	customer_id	SMALLINT	Customer ID
	return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date and time when the film was returned
Foreign	staff_id	SMALLINT	Staff ID
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4. Dimensions Table

##### 4.1. Customer Table

Key	Columns	Data type	Description
Primary	customer_id	SERIAL	Customer ID
	store_id	SMALLINT	Store ID
	first_name	CHARACTER VARYING (45)	Customer's first name
	last_name	CHARACTER VARYING (45)	Customer's last name
	email	CHARACTER VARYING (50)	Customer's email address
Foreign	address_id	SMALLINT	Customer's address
	activebool	BOOLEAN	Active customer? T or F
	create_date	DATE	Date and time when cust. joined
	active	INTEGER	Binary – not sure if it's a different measure than that of the activebool

##### 4.2. Staff Table

Key	Columns	Data type	Description
Primary	staff_id	SERIAL	Staff member ID
	first_name	CHARACTER VARYING (45)	Staff member's first name
	last_name	CHARACTER VARYING (45)	Staff member's last name
Foreign	address_id	SMALLINT	Staff member's address

	email	CHARACTER VARYING (50)	Staff member's email address
	store_id	SMALLINT	Store ID
	active	BOOLEAN	Active staff member? T or F
	username	CHARACTER VARYING (16)	Username
	password	CHARACTER VARYING (40)	Password
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update
	picture	BYTEA	Photo of the staff member

#### 4.3. Film\_actor Table

Key	Columns	Data type	Description
Primary	inventory_id	SERIAL	Inventory ID
Foreign	film_id	SMALLINT	Film ID
	store_id	SMALLINT	Store ID
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4.4. Film\_category Table

Key	Columns	Data type	Description
Foreign	film_id	SMALLINT	Film ID
Foreign	category_id	SMALLINT	Category ID
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4.5. Store Table

Key	Columns	Data type	Description
Primary	store_id	SERIAL	Store ID
Foreign	manager_staff_id	SMALLINT	Staff Manager ID
Foreign	address_id	SMALLINT	Address ID
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4.6. Actor Table

Key	Columns	Data type	Description
Primary	actor_id	SERIAL	Actor ID
	first_name	CHARACTER VARYING (45)	Actor's first name
	last_name	CHARACTER VARYING (45)	Actor's last name
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4.7. Film Table

Key	Columns	Data type	Description
Primary	film_id	SERIAL	Film ID
	title	CHARACTER VARYING (255)	Film's name
	description	TEXT	Film's description (storyline)
	release_year	year	Film's year of release
Foreign	language_id	SMALLINT	Film's language ID
	rental_duration	SMALLINT	How long (days) a film can be rented
	rental_rate	NUMERIC (4, 2)	Cost to rent a film
	length	SMALLINT	Film's length (minutes)
	replacement_cost	NUMERIC (5, 2)	Cost of replacing a film
	rating	mpaa_rating	Film's rating
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update
	special_features	TEXT[]	Includes trailer, behind the scenes, etc.?
	fulltext	TSVECTOR	Keywords that describe what the film features

#### 4.8. Category Table

Key	Columns	Data type	Description
Primary	language_id	SERIAL	Language ID
	name	CHARACTER (20)	Original language (English, Spanish, etc.)

	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update
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#### 4.9. Address Table

Key	Columns	Data type	Description
Primary	category_id	SERIAL	Category ID
	name	CHARACTER VARYING (25)	Action, comedy, sports, etc.
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update
	address_id	SERIAL	Address ID
	address	CHARACTER VARYING (50)	Number + street name
	address2	CHARACTER VARYING (50)	If any (can be empty or Null)
	district	CHARACTER VARYING (20)	District, state, region
Foreign	city_id	SMALLINT	City ID
	postal_code	CHARACTER VARYING (10)	Zip code
	phone	CHARACTER VARYING (20)	Phone number
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4.10. City Table

Key	Columns	Data type	Description
Primary	city_id	SERIAL	City ID
	city	CHARACTER VARYING (50)	City's name
Foreign	country_id	SMALLINT	Country ID
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update

#### 4.11. Country Table

Key	Columns	Data type	Description
Primary	country_id	SERIAL	Country ID
	country	CHARACTER VARYING (50)	Country's name
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time and date of the last update