

# Rockbuster Stealth LLC

## Data Dictionary



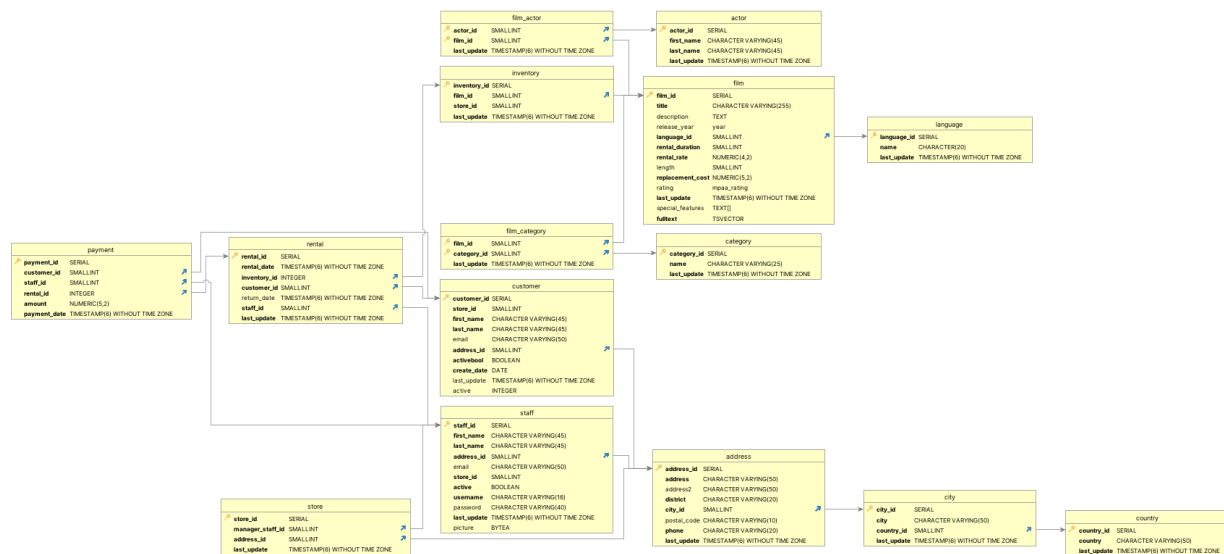
## Table of Contents

<u>1. About Rockbuster Stealth LLC</u>	<u>3</u>
<u>2. Entity Relationship Diagram (ERD)</u>	<u>3</u>
<u>3. Fact Tables:</u>	<u>3</u>
<u>3.1. Rental</u>	<u>3</u>
<u>4. Dimension Tables:</u>	<u>4</u>
<u>4.1. Payment</u>	<u>4</u>
<u>4.2. Store</u>	<u>4</u>
<u>4.3. Film Actor</u>	<u>4</u>
<u>4.4. Inventory</u>	<u>5</u>
<u>4.5. Film Category</u>	<u>5</u>
<u>4.6. Customer</u>	<u>5</u>
<u>4.7. Staff</u>	<u>6</u>
<u>4.8. Actor</u>	<u>7</u>
<u>4.9. Film</u>	<u>7</u>
<u>4.10. Category</u>	<u>8</u>
<u>4.11. Language</u>	<u>8</u>
<u>4.12. Address</u>	<u>8</u>
<u>4.13. City</u>	<u>9</u>
<u>4.14. Country</u>	<u>9</u>

## 1. About Rockbuster Stealth LLC

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

## 2. Entity Relationship Diagram (ERD)



## 3. Fact Tables

### 3.1. Rental

Columns	Data Type	Description
rental_id	SERIAL	Unique ID for each rental movie
rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp capturing the moment a movie is rented
inventory_id	INTEGER	Unique ID to each individual movie copy in stock
customer_id	SMALLINT	Unique ID to each customer in the system
return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp marking the moment a rented movie is returned

staff_id	SMALLINT	Unique ID to each staff member managing rentals
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

## 4. Dimension Tables

### 4.1. Payment

Columns	Data Type	Description
payment_id	SERIAL	Unique ID for each payment transaction
customer_id	SMALLINT	Unique ID for the customer making the payment
staff_id	SMALLINT	Unique ID for the staff member processing the payment
rental_id	INTEGER	Unique ID for the specific rental transaction
amount	NUMERIC(5,2)	Monetary amount charged for the rental, in dollars
payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp marking the exact moment the payment was completed

### 4.2. Store

Columns	Data Type	Description
store_id	SERIAL	Unique ID for each store location
manager_staff_id	SMALLINT	Unique ID for the manager assigned to each store
address_id	SMALLINT	Unique ID identifying the address of each store location
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

### 4.3. Film Actor

Columns	Data Type	Description
actor_id	SMALLINT	Unique ID for each actor involved in films

film_id	SMALLINT	Unique ID for each individual film
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

#### 4.4. Inventory

Columns	Data Type	Description
inventory_id	SERIAL	Unique ID for each copy of a movie in the inventory
film_id	SMALLINT	Unique ID for each film title
store_id	SMALLINT	Unique ID for each store location
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

#### 4.5. Film Category

Columns	Data Type	Description
film_id	SMALLINT	Unique ID for each individual film
category_id	SMALLINT	Unique ID for each film category
last_update	TIMESTAMP (6) WITHOUT TME ZONE	Timestamp indicating the most recent update to the table record

#### 4.6. Customer

Columns	Data Type	Description
customer_id	SERIAL	Unique ID for each customer in the system
store_id	SMALLINT	Unique ID for the store where the customer is registered
first_name	CHARACTER VARYING (45)	First name of the customer
last_name	CHARACTER VARYING (45)	Last name of the customer
email	CHARACTER VARYING (50)	Email address associated with the customer

address_id	SMALLINT	Unique ID identifying the customer's physical address
activebool	BOOLEAN	Indicates customer's active status: True or False
create_date	DATE	Date when the customer's account was initially created
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record
active	INTEGER	Numeric indicator of customer's active status: 0 for inactive, 1 for active

#### 4.7. Staff

Columns	Data Type	Description
staff_id	SERIAL	Unique ID for each staff member in the system
first_name	CHARACTER VARYING (45)	First name of the staff member
last_name	CHARACTER VARYING (45)	Last name of the staff member
address_id	SMALLINT	Unique ID identifying the staff member's physical address
email	CHARACTER VARYING (50)	Email address associated with the staff member
store_id	SMALLINT	Unique ID for the store where the staff member is employed
active	BOOLEAN	Indicates staff member's active status: True or False
username	CHARACTER VARYING (16)	Username associated with the staff member for system access
password	CHARACTER VARYING (40)	Encrypted password associated with each staff member's account
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

picture	BYTEA	Optional photo of each staff member, stored as binary data
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#### 4.8. Actor

Columns	Data Type	Description
actors_id	SERIAL	Unique ID for each actor in the system
first_name	CHARACTER VARYING (45)	First name of the actor
last_name	CHARACTER VARYING (45)	Last name of the actor
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

#### 4.9. Film

Columns	Data Type	Description
film_id	SERIAL	Unique ID for each film in the database
title	CHARACTER VARYING (255)	Title of the film
description	TEXT	Detailed description of the film
release_year	year	Year the film was released
language_id	SMALLINT	Unique ID identifying the film's language
rental_duration	SMALLINT	Number of days the film is available for rent
rental_date	NUMERIC(5,2)	Rental price for the film, in dollars
length	SMALLINT	Duration of the film in minutes
replacement_cost	NUMERIC(5,2)	Cost to replace the film, in dollars
rating	mpaa_rating	MPAA rating of the film (e.g., G, PG, PG-13, etc.)
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record
special_features	TEXT[]	Array of special features included with the film

fulltext	TSVECTOR	Keywords associated with the film for search functionality
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#### 4.10. Category

Columns	Data Type	Description
category_id	SERIAL	Unique ID for each film category in the system
name	CHARACTER VARYING (25)	Name of the film category
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

#### 4.11. Language

Columns	Data Type	Description
language_id	SERIAL	Unique ID for identifying each film's language
name	CHARACTER(20)	Name of the language
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

#### 4.12. Address

Columns	Data Type	Description
address_id	SERIAL	Unique ID identifying the address for stores, staff, and customers
address	CHARACTER VARYING (50)	Street address details
address2	CHARACTER VARYING (50)	Additional address details like apartment, suite, or unit numbers
district	CHARACTER VARYING (20)	State, province, or territory of the address
city_id	SMALLINT	Unique ID for identifying the city of the address
postal_code	CHARACTER VARYING (10)	Postal code for the address
phone	CHARACTER VARYING (20)	Phone number associated with the address



last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record
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#### 4.13. City

Columns	Data Type	Description
city_id	SERIAL	Unique ID for each city in the system
city	CHARACTER VARYING (50)	Name of the city
country_id	SMALLINT	Unique ID identifying the country to which the city belongs
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record

#### 4.14. Country

Columns	Data Type	Description
country_id	SERIAL	Unique ID for each country in the system
country	CHARACTER VARYING (50)	Name of the country
last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Timestamp indicating the most recent update to the table record