

2023

# Rockbuster Stealth LLC

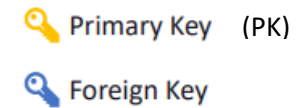
DATA DICTIONARY  
EASTON GORMAN

## Table of Contents:

1. Entity-Relationship Diagram (ERD).....	2
2. Fact Tables:	
a. Payment.....	3
b. Rental.....	3
3. Dimension Tables:	
a. Store.....	4
b. Film_actor.....	4
c. Inventory.....	4
d. Film_category.....	4
e. Customer.....	4
f. Staff.....	5
g. Actor.....	5
h. Film.....	5
i. Category.....	5
j. Address.....	6
k. Language.....	6
l. City.....	6
m. Country.....	6

## 1. Entity-Relationship Diagram (ERD)

Legend:



## 2. Fact Tables:

	Column	Data Type	Description
<b>Payment</b> – linked to rental, customer, staff	Payment_id (PK)	Serial	Unique payment identifier
	Customer_id (FK)	Small Int	Unique customer identifier
	Staff_id (FK)	Small Int	Unique staff identifier
	Rental_id (FK)	Integer	Unique rental identifier
	Amount	Numeric (5, 2)	Amount of payment received
	Payment_date	Timestamp w/o Time Zone	Date of payment

<b>Rental</b> – linked to customer, inventory, staff, payment	Rental_id (PK)	Serial	Unique rental identifier
	Rental_date (FK)	Timestamp w/o Time Zone	Date of rental
	Inventory_id (FK)	Integer	Unique inventory identifier
	Customer_id (FK)	Small Int	Unique customer identifier
	Return_date	Timestamp w/o Time Zone	Date of return
	Staff_id (FK)	Small Int	Unique staff identifier
	Last_update	Timestamp w/o Time Zone	Time of last update

### 3. Dimension Tables:

<b>Store</b> – linked to address, staff	Column	Data Type	Description
	Store_id (PK)		Unique identifier of store
	Manager_staff_id (FK)	Small Int	Unique identifier of manager staff
	Address_id (FK)	Small Int	Unique identifier of address
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Film_actor</b> – linked to actor, film	Column	Data Type	Description
	Actor_id (PK, FK)	Small Int	Unique identifier of actor
	Film_id (PK,FK)	Small Int	Unique identifier of film
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Inventory</b> – linked to film, rental	Column	Data Type	Description
	Inventory_id (PK)	Serial	Unique identifier of inventory
	Film_id (FK)	Small Int	Unique identifier of film
	Store_id (FK)	Small Int	Unique identifier of store
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Film_category</b> – linked to category, film	Column	Data Type	Description
	Film_id (PK, FK)	Small Int	Unique identifier of film
	Category_id (PK, FK)	Small Int	Unique identifier of category
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Customer</b> – linked to address, payment, address	Column	Data Type	Description
	Customer_id (PK)	Small Int	Unique customer identifier
	Store_id (FK)	Small Int	Unique store identifier
	First_name	Character Varying (45)	First name of customer
	Last_name	Character Varying (45)	Last name of customer
	Email	Character Varying (50)	Email address of customer
	Address_id (FK)	Small Int	Unique address identifier
	Activebool	Boolean	Customer active?
	Create_date	Date	Date of customer profile creation
	Last_update	Timestamp w/o Time Zone	Time of last update
	Active	Integer	Customer active? (0, 1)

<b>Staff</b> – linked to address, payment, rental, store	Staff_id (PK)	Serial	Unique identifier of staff member
	First_name	Character Varying (45)	First name of staff member
	Last_name	Character Varying (45)	Last name of staff member
	Address_id (FK)	Small Int	Unique address identifier
	Email	Character Varying (50)	Email address of staff member
	Store_id (FK)	Small Int	Unique store identifier
	Active	Boolean	Staff active?
	Username	Character Varying (16)	Username of staff member
	Password	Character Varying (40)	Password of staff member
	Last_update	Timestamp w/o Time Zone	Time of last update
	Picture	Bytea	Staff picture

<b>Actor</b> – linked to film_actor	Actor_id (PK)	Serial	Unique identifier of actor
	First_name	Character Varying (45)	First name of actor
	Last_name	Character Varying (45)	Last name of actor
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Film</b> – linked to film_actor, film_category, inventory, language	Film_id (PK)	Serial	Unique identifier of film
	Title	Character Varying (255)	Title of film
	Description	Text	Description of film
	Release_year	Year	Year of film release
	Language_id (FK)	Small Int	Language of film
	Rental_duration	Small Int	Duration of rental
	Rental_rate	Numeric (4, 2)	Rate of rental
	Length	Small Int	Length of film
	Replacement_cost	Numeric (5, 2)	Replacement cost of film
	Rating	Mpaa_rating	Rating of film
	Last_update	Timestamp w/o Time Zone	Time of last update
	Special_features	Text []	Special feature of film
	Fulltext	Tsvector	Film index

<b>Category</b> – linked to film_category	Category_id (PK)	Serial	Unique identifier of category
	Name	Character Varying (25)	Name of category
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Address</b> – linked to city, customer, staff, store	Address_id (PK)	Serial	Unique identifier of address
	Address	Character Varying (50)	First line of address
	Address2	Character Varying (50)	Second line of address
	District	Character Varying (20)	District of address
	City_id (FK)	Small Int	Unique identifier of city
	Postal_code	Character Varying (10)	Postal code of address
	Phone	Character Varying (20)	Phone number of address
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Language</b> – linked to film	Language_id (PK)	Serial	Unique identifier of language
	Name	Character Varying (20)	Name of language
	Last_update	Timestamp w/o Time Zone	time of last update

<b>City</b> – linked to address, country	City_id (PK)	Serial	Unique identifier of city
	City	Character Varying (50)	Name of city
	Country_id (FK)	Small Int	Unique identifier of country
	Last_update	Timestamp w/o Time Zone	Time of last update

<b>Country</b> – linked to city	Country_id (PK)	Serial	Unique identifier of country
	Country	Character Varying (50)	Name of country
	Last_update	Timestamp w/o Time Zone	Time of last update