



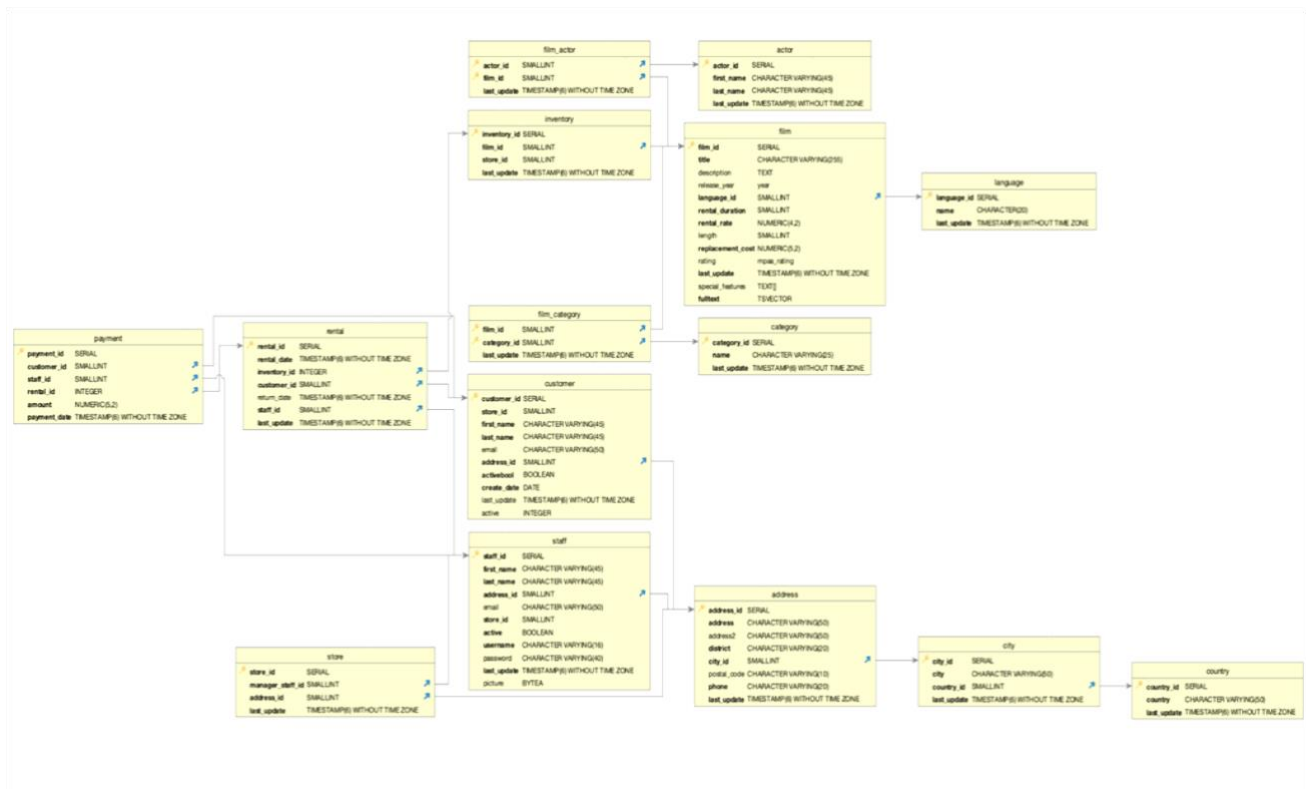
Rockbuster Stealth LLC

## DATA DICTIONARY

*A reference document that contains the database's metadata (i.e., table names, what information is stored in those tables, and how the tables are linked).*

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**Entity Relationship Diagram (ERD)**

## 2 FACT TABLES

### 2.1 Table: Payment

Key	Columns	Data Type	Description
Primary	Payment_id	SERIAL	ID for payment
Foreign	Customer_id	SMALLINT	ID for the customer
Foreign	Staff_id	SMALLINT	ID for staff
Foreign	Rental_id	INTEGER	ID for the rental/order
	Amount	NUMERIC	Amount paid
	Payment_date	TIMESTAMP WITHOUT TIME ZONE	Date of payment

Links to:

TABLE	LINK
<b>Rental</b>	Payment.Rental_id = rental.rental_id
<b>Customer</b>	Payment.Customer_id = customer.customer_id
<b>Staff</b>	Payment.Staff_id = staff.staff_id

Linked from: n/a

## 2.2 Table: Rental

Key	Columns	Data Type	Description
<b>Primary</b>	Rental_id	SERIAL	ID rental
	Rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	Rental date
<b>Foreign</b>	Inventory_id	INTEGER	Inventory code/id
<b>Foreign</b>	Customer_id	SMALLINT	ID of customer
	Return_date	TIMESTAMP (6) WITHOUT TIME ZONE	Date of return
<b>Foreign</b>	Staff_id	SMALLINT	ID for staff

Links to:

TABLE	LINK
<b>Inventory</b>	rental.inventory_id = inventory.inventory_id
<b>Customer</b>	rental.Customer_id = customer.customer_id
<b>Staff</b>	rental.Staff_id = staff.staff_id

Linked from:

Column	Link
<b>Payment</b>	Payment.rental_id = rental.rental_id

## 3 DIMENSION TABLES

### 3.1 *Table: Store*

Key	Columns	Data Type	Description
<b>Primary</b>	Store_id	SERIAL	ID of store
<b>Foreign</b>	Manager_staff_id	SMALLINT	Staff manager ID
<b>Foreign</b>	Address_id	SMALLINT	ID of address
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last table update

Links to:

TABLE	LINK
<b>Address</b>	store.address_id = address.address_id
<b>Staff</b>	staff.staff_id = store.Staff_id

Linked from: n/a

### 3.2 Table: film category

KEY	COLUMN	DATA TYPE	DESCRIPTION
Foreign key	Film_id	SMALLINT	ID for film
Foreign key	Category_id	SMALLINT	ID for category
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last table update

Links to

TABLE	LINK
Category	Category.category_id = film_category.category_id
Film	Film.film_id = film_category.film_id

Linked from: n/a

### 3.3 Table: Customer

KEY	Column	Data type	Description
Primary key	Customer_id	SERIAL	ID for customer
Foreign key	Store_id	SMALLINT	ID for store
	First_name	CHARACTER VARYING(45)	First name
	Last_name	CHARACTER VARYING(45)	Last name
	Email	CHARACTER VARYING(50)	Email address
	Address_id	SMALLINT	ID for address
	Activebool	BOOLEAN	
	Create_date	DATE	Date created
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last table update
	active	INTEGER	Whether the customer is active

Links to:

TABLE	LINK
Address	customer.address_id = address.address_id

Linked from: rental

Column	Link
Rental	rental.customer_id = customer.customer_id

### 3.4 Table: *Staff*

KEY	Column	Data type	Description
Primary key	Staff_id	SERIAL	ID for staff
	First_name	CHARACTER VARYING(45)	Staff first name
	Last_name	CHARACTER VARYING(45)	Staff last name
Foreign key	Address_id	SMALLINT	ID of address
	email	CHARACTER VARYING(50)	Staff email address
Foreign key	Store_id	SMALLINT	ID of store
	Active	BOOLEAN	If the staff is active
	Username	CHARACTER VARYING(16)	Staff username
	Password	CHARACTER VARYING(40)	Staff password
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table
	picture	BYTEA	picture

Links to:

TABLE	LINK
Store	Store.store_id = staff.store_id
Address	staff.address_id = address.address_id

Linked from:

TABLE	LINK
Payment	Payment.staff_id = staff.staff_id
Rental	Rental.staff_id = staff.staff_id
Store	Store.store_id = staff.store_id

### 3.5 Table: *Address*

KEY	Column	Data type	Description
Primary key	Address_id	SERIAL	ID of address
	Address	CHARACTER VARYING(50)	Address line 1
	Address2	CHARACTER VARYING(50)	Address line 2
	District	CHARACTER VARYING(20)	district

<b>Foreign key</b>	City_id	SMALLINT	ID of city
	Postal_code	CHARACTER VARYING(10)	Address post code
	Phone	CHARACTER VARYING(20)	Phone number
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to

TABLE	LINK
<b>City</b>	City.city_id = address.city_id

Linked from

TABLE	LINK
<b>Customer</b>	Customer.address_id = address.address_id
<b>Staff</b>	staff.address_id = address.address_id
<b>Store</b>	Store.address_id = address.address_id

### 3.6 Table: City

KEY	Column	Data type	Description
<b>Primary</b>	City_id	SERIAL	ID of city
	City	CHARACTER VARYING(50)	Name of city
<b>Foreign</b>	Country_id	SMALLINT	ID of country
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to:

TABLE	LINK
<b>Country</b>	City.country_id = country.country_id

Linked from:

TABLE	LINK
<b>Address</b>	City.city_id = address.city_id

### 3.7 Table: Country

KEY	Column	Data type	Description
Primary	Country_id	SERIAL	ID for country
	Country	CHARACTER VARYING(50)	Country name
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to: n/a

Linked from:

TABLE	LINK
City	City.country_id = country.country_id

### 3.8 Table: film\_actor

KEY	Column	Data type	Description
Primary	Actor_id	SERIAL	ID for film actor
	Film_id	SMALLINT	ID for film
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to:

TABLE	LINK
Film	Film.film_id = film_actor.film_id
Actor	Actor.actor_id = film_actor.actor_id

Linked from: n/a

### 3.9 Table: Actor

KEY	Column	Data type	Description
Primary	Actor_id	SERIAL	ID for actor
	First_name	CHARACTER VARYING(45)	Actor first name
	Last_name	CHARACTER VARYING(45)	Actor last name
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to: n/a



Linked from:

TABLE	LINK
<b>Film_actor</b>	Actor.actor_id = film_actor.actor_id

### 3.10 *Table: Inventory*

KEY	Column	Data type	Description
<b>Primary</b>	Inventory_id	SERIAL	ID of inventory
<b>Foreign</b>	Film_id	SMALLINT	ID for film
<b>Foreign</b>	store_id	SMALLINT	ID of store
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to:

TABLE	LINK
<b>Film</b>	Film.film_id =inventory.film_id

Linked from:

TABLE	LINK
<b>Rental</b>	rental.inventory_id =inventory.inventory_id

### 3.11 *Table: film*

KEY	Column	Data type	Description
<b>Primary</b>	Film_id	SERIAL	ID of film
	Title	CHARACTER VARYING(255)	Film title
	Description	TEXT	Description of film
	Release_year	Year	Film release year
<b>Foreign</b>	Language_id	SMALLINT	ID of language
	Rental_duration	SMALLINT	Duration of rental
	Rental_rate	NUMERIC(4,2)	Date of rental
	Length	SMALLINT	film length
	Replacement_cost	NUMERIC(5,2)	Cost of replacement
	Rating	Mpaa_rating	Film rating
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table
	Special_features	TEXT[]	Special features of film
	fulltext	TSVECTOR	Full name of film

Links to:

TABLE	LINK
<b>language</b>	language.language_id = film.language_id

Linked from:

TABLE	LINK
<b>Film_actor</b>	Film_actor.film_id = film.film_id
<b>Inventory</b>	Inventory.film_id = film.film_id
<b>Film_category</b>	Film_category.film_id = film.film_id

### 3.12 *Table: Category*

KEY	Column	Data type	Description
<b>Primary</b>	Category_id	SERIAL	ID of category
	Name	CHARACTER VARYING(25)	Category name
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to: n/a

Linked from:

TABLE	LINK
<b>Film_category</b>	Film_category.category_id = category.category_id

### 3.13 *Table: language*

KEY	Column	Data type	Description
<b>Language</b>	Language_id	SERIAL	ID of language
	Name	CHARACTER(20)	Name of language
	Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Last update of the table

Links to: n/a

Linked from

TABLE	LINK
<b>film</b>	Film.language_id = language.language_id