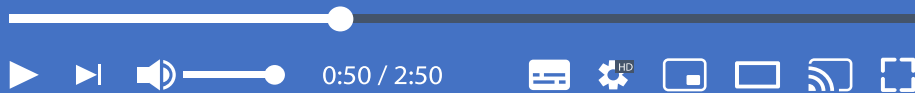


# ROCKBUSTER STEALTH LLC.



## Data Dictionary

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## Abbreviations

FK - foreign key  
PK – primary key

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## Entity Relationship Diagram (ERD)

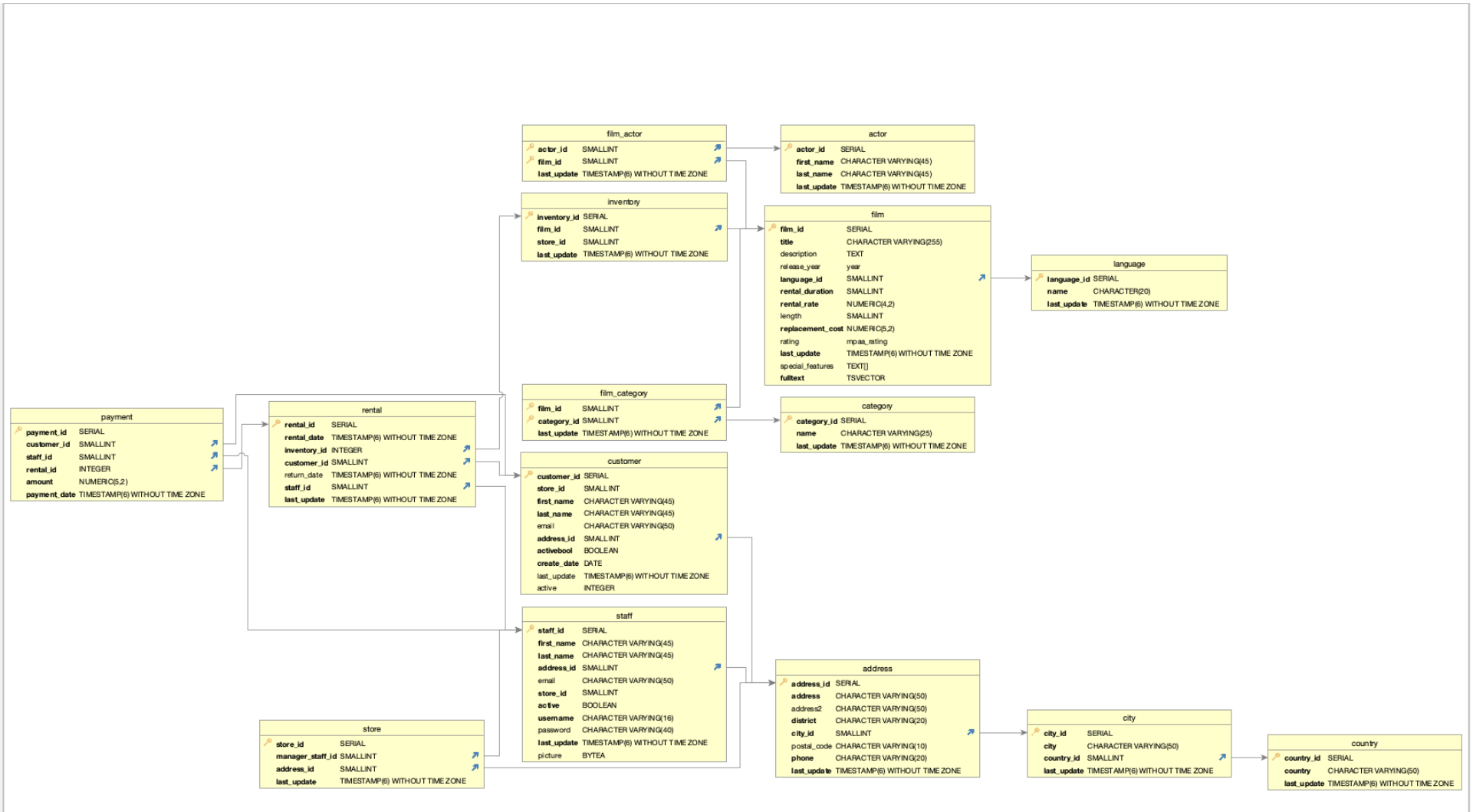


Figure I. Entity Relationship Diagram (ERD)

## Tables

### Fact tables

#### *payment*

Key	Columns	Data type	Description
PK	payment_id	SERIAL	Unique ID of the payment for a rental
FK	customer_id	SMALLINT	Unique ID of the customer
FK	staff_id	SMALLINT	Unique ID of the staff member who carried out the rental
FK	rental_id	SERIAL	Unique ID of the event
	amount	NUMERIC(5,2)	Payment sum
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the payment for the rental

#### Links to

Table	Join
rental	payment.customer_id = rental.customer_id
customer	payment.customer_id = customer.customer_id
staff	payment.staff_id = staff.staff_id

#### *rental*

Key	Columns	Data type	Description
PK	rental_id	SERIAL	Unique ID of the event
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the event
FK	inventory_id	INTEGER	Unique ID for inventory
FK	customer_id	SMALLINT	Unique ID of customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the return of the rental
FK	staff_id	SMALLINT	Unique ID of the staff who carried out the rental
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

#### Linked from

Table	Join
payment	payment.customer_id = rental.customer_id

#### Links to

Table	Join
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inventory	rental.inventory_id = inventory.inventory_id
customer	rental.customer_id = customer.customer_id
staff	rental.staff_id = staff.staff_id

## Dimension tables

### *store*

Key	Columns	Data type	Description
PK	store_id	SERIAL	Unique ID for the store
FK	manager_staff_id	SMALLINT	Unique ID of the store manager
FK	address_id	SMALLINT	Unique ID of the store address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

#### Links to

Table	Join
staff	store.store_id = staff.store_id
address	store.address_id = address.address_id

### *film\_actor*

Key	Columns	Data type	Description
FK	actor_id	SMALLINT	Unique ID of the actor
FK	film_id	SMALLINT	Unique ID of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

#### Links to

Table	Join
actor	film_actor.actor_id = actor.actor_id
film	film_actor.film_id = address.film_id

### *inventory*

Key	Columns	Data type	Description
PK	inventory_id	SERIAL	Unique ID for inventory
FK	film_id	SMALLINT	Unique ID of the film
FK	store_id	SMALLINT	Unique ID of the store

	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table
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Linked from

Table	Join
rental	rental.inventory_id = inventory.inventory_id

Links to

Table	Join
film	inventory.film_id = film.film_id

### *film\_category*

Key	Columns	Data type	Description
FK	film_id	SMALLINT	Unique ID of the film
FK	category_id	SMALLINT	Unique ID of the film category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

Links to

Table	Join
film	film_category.film_id = film.film_id
category	film_category.category_id = category.category_id

### *customer*

Key	Columns	Data type	Description
PK	customer_id	SERIAL	Unique ID of the customer
FK	store_id	SMALLINT	Unique ID of the store
	first_name	CHARACTER VARYING(45)	First name of the customer of not longer than 45 characters
	last_name	CHARACTER VARYING(45)	Last name of the customer of not longer than 45 characters
	email	CHARACTER VARYING(50)	Email of the customer, not longer than 50 characters
FK	address_id	SMALLINT	Unique ID of the customer's address
	activebool	BOOLEAN	Active/not active customer
	create_date	DATE	Date when the customer entry was created

	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table
	active	INTEGER	Active/not active customer

Linked from

Table	Join
rental	rental.customer_id = customer.customer_id
payment	payment.customer_id = customer.customer_id

Links to

Table	Join
address	customer.address_id = address.address_id

### *staff*

Key	Columns	Data type	Description
PK	staff_id	SERIAL	Unique ID of the staff member who carried out the rental
	first_name	CHARACTER VARYING(45)	First name of the staff member of not longer than 45 characters
	last_name	CHARACTER VARYING(45)	Last name of the staff member of not longer than 45 characters
	email	CHARACTER VARYING(50)	Email of the staff member, not longer than 50 characters
FK	address_id	SMALLINT	Unique ID of the staff member address
FK	store_id	SMALLINT	Unique ID of the store
	active	BOOLEAN	Active/not active staff member
	username	CHARACTER VARYING(16)	Username of the staff member, not longer than 16 characters
	password	CHARACTER VARYING(40)	Password of the staff member, not longer than 40 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table
	picture	BYTEA	Picture of the staff member

Linked from

Table	Join
payment	payment.staff_id = staff.staff_id
rental	rental.staff_id = staff.staff_id
store	store.store_id = staff.store_id



## Links to

Table	Join
address	staff.address_id = address.address_id

## *actor*

Key	Columns	Data type	Description
PK	actor_id	SERIAL	Unique ID of the actor
	first_name	CHARACTER VARYING(45)	First name of the actor of not longer than 45 characters
	last_name	CHARACTER VARYING(45)	Last name of the actor of not longer than 45 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

## Linked from

Table	Join
film_actor	film_actor.actor_id = actor.actor_id

## *film*

Key	Columns	Data type	Description
PK	film_id	SERIAL	Unique ID of the film
	title	CHARACTER VARYING(255)	Title of the film of not longer than 255 characters
	description	TEXT	Short description of the plot
	release_year	year	Year of the film release
FK	language_id	SMALLINT	Language of the film
	rental_duration	SMALLINT	How long the film can be rented for
	length	SMALLINT	How long the film is
	replacement_cost	NUMERIC(5,2)	How much it would cost to replace the film (not more than 5 characters before the comma, not more than 2 after the comma)
	rating	mpaa_rating	Rating of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table
	Special_features	TEXT	Description of special features of the film

	fulltext	TSVECTOR	Text index for search queries
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Linked from

Table	Join
film_actor	film_actor.film_id = film.film_id
inventory	inventory.film_id = film.film_id
film_category	film_category.film_id = film.film_id

Links to

Table	Join
language	film.language_id = language.language_id

### *language*

Key	Columns	Data type	Description
PK	language_id	SERIAL	Unique ID of the film language
	name	CHARACTER(20)	Name of the language of not longer than 20 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

Linked from

Table	Join
film	film.language_id = language.language_id

### I.I.I. category

Key	Columns	Data type	Description
PK	category_id	SERIAL	Unique ID of the film category
	name	CHARACTER VARYING(25)	Name of the film category of not longer than 25 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

Linked from

Table	Join
film_category	film_category.category_id = category.category_id

### *address*

Key	Columns	Data type	Description
PK	address_id	SERIAL	Unique ID of the store address
	address	CHARACTER VARYING(50)	Store address of not longer than 50 characters
	address2	CHARACTER VARYING(50)	Additional address info of not longer than 50 characters
	district	CHARACTER VARYING(20)	Name of the district, not longer than 20 characters
FK	city_id	SMALLINT	Unique ID of the city where the store is located
	postal_code	CHARACTER VARYING(10)	Postal code of the store, not longer than 10 characters
	phone	CHARACTER VARYING(20)	Phone number of the store, not longer than 20 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

#### Linked from

Table	Join
customer	customer.address_id = address.address_id
staff	staff.address_id = address.address_id
store	store.address_id = address.address_id

#### Links to

Table	Join
city	address.city_id = city.city_id

### *city*

Key	Columns	Data type	Description
PK	city_id	SERIAL	Unique ID of the city where the store is located
	city	CHARACTER VARYING(50)	Name of the city where the store is located, not longer than 50 characters

FK	country_id	SMALLINT	Unique ID of the country where the city is located
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

Linked from

Table	Join
address	address.city_id = city.city_id

Links to

Table	Join
country	city.country_id = country.country_id

### *country*

Key	Columns	Data type	Description
PK	country_id	SMALLINT	Unique ID of the country where the city is located
	country	CHARACTER VARYING(50)	Name of the country where the city is located, not longer than 50 characters
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of the last update of the table

Linked from

Table	Join
city	city.country_id = country.country_id