

# ROCKBUSTER STEALTH LLC

Data Dictionary



Parvin Rahimi

JUNE 2023

## Table of Contents

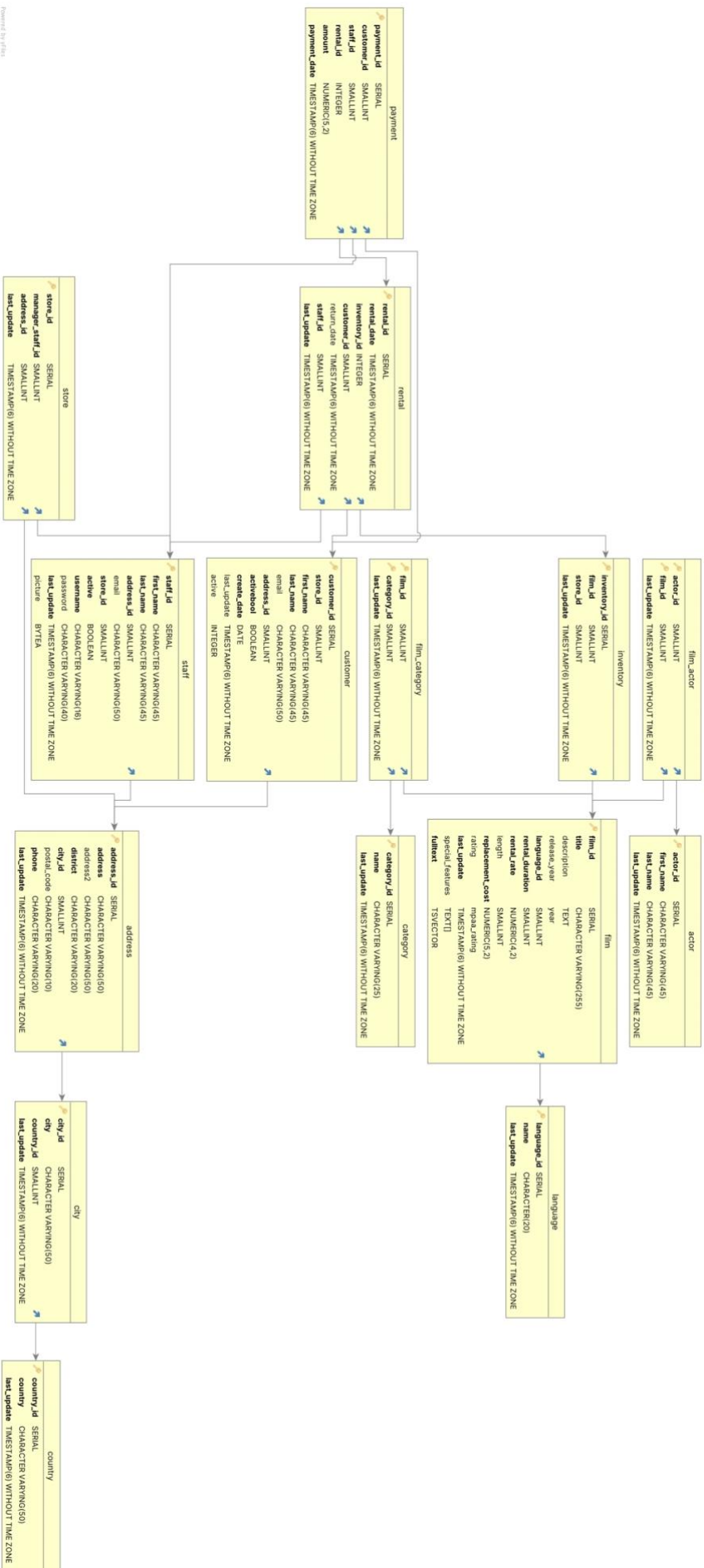
Rockbuster Stealth LLC	2
RelationshipDiagram	3
Fact Tables	4
Payment Table	4
Rental Table	4
DimensionTables	6
Store Table	6
Staff Table	6
Customer Table	7
Film Category Table	8
Inventory Table	8
Film Actor Table	9
Actor Table	9
Film Table	10
Category Table	11
AddressTable	11
City Table	12
Language Table	12
Country Table	13

## Legend

-  Primary key=unique key
-  Foreign key=unique key

**Rockbuster Stealth LLC**

Rockbuster Stealth LLC is a movie rental company that is planning to launch the company's online video rental platform using the current movie licences to stay competitive in the era of digital streaming.



## Fact Tables

### Payment Table

Columns	Data Type	Description
payment_id 🔑	serial	Unique payment identifier
customer_id ➡	SMALLINT	Unique customer identifier
staff_id ➡	SMALLINT	Unique staff identifier
rental_id ➡	INTEGER	Unique rental identifier
amount	Numeric (5,2)	Amount of transaction
payment_date	timestamp	Date of transaction

### Unique keys

Column	Key Type	Description
payment_id	Primary key	Unique payment identifier
customer_id	Foreign key	Unique customer identifier
staff_id	Foreign key	Unique staff identifier
rental_id	Foreign key	Unique rental identifier

### Linked from

Payment table links from no other tables.

### Links to

Title of Table	Join	Description
Rental	payment.rental_id=rental.rental_id	Foreign Key referencing rental.rental-id
Customer	payment.customer_id=customer.customer_id	Foreign key referencing customer.customer_id
Staff	Payment.staff_id=staff.staff_id	Foreign key referencing staff.staff_id

### Rental Table

Columns	Data Type	Description
rental_id 🔑	serial	Unique rental identifier
rental_date	timestamp	Date of rental
inventory_id ➡	INTEGER	Unique article identifier
customer_id ➡	SMALLINT	Unique customer identifier
return_date	timestamp	Date article was returned
staff_id ➡	SMALLINT	Unique staff identifier
last_update	timestamp	Last time rental was updated

### Unique keys

Column	Key Type	Description
rental_id	Primary key	Unique rental identifier
inventory_id	Foreign key	Unique inventory identifier
customer_id	Foreign key	Unique customer identifier
staff_id	Foreign key	Unique staff identifier

### Links to

Title of Table	Join	Description
inventory	rental.inventory_id=inventory.inventory_id	Foreign Key referencing inventory.inventory-id
Customer	rental.customer_id=customer.customer_id	Foreign key referencing customer.customer_id
Staff	rental.staff_id=staff.staff_id	Foreign key referencing staff.staff_id

### Linked from

Title of Table	Join	Description
payment	rental.rental_id=payment.rental_id	Foreign Key referencing payment.rental-id

## Dimension Tables

### Store table

Columns	Data Type	Description
store_id🔑	serial	Unique store identifier
manager_staff_id🔗	SMALLINT	Manager or staff identifier
address_id🔗	SMALLINT	Unique address identifier
last_update	timestamp	Last time entry was updated

### Unique keys

Column	Key Type	Description
store_id	Primary key	Unique store identifier
manager_staff_id	Foreign key	Manager or staff identifier
address_id	Foreign key	Unique address identifier

### Links to

Title of Table	Join	Description
staff	store.manager_staff_id_id=staff.manager_staff_id	Foreign Key referencing staff.manager_staff_id
Address	store.address_id=address.address_id	Foreign key referencing address.address_id

### Linked from

Store table links from no other tables.

### Staff table

Columns	Data Type	Description
staff_id🔑	serial	Unique staff identifier
first_name	varchar (45)	First name of staff
last_name	varchar(45)	Last name of staff
address_id🔗	SMALLINT	Unique address identifier
email	varchar(50)	Email address of the staff
store_id	SMALLINT	Unique store identifier
active	boolean	Is the staff still active?
username	varchar(16)	Login username of staff
password	varchar(40)	Login password
last_update	timestamp	Last time entry was updated
picture	bytea	Picture of staff (file)

### Unique keys

Column	Key Type	Description
Staff_id	Primary key	Unique staff identifier
address_id	Foreign key	Unique address identifier



### Links to

Title of Table	Join	Description
Address	staff.address_id=address_address_id	Foreign key referencing address.address_id

### Links from

Title of Table	Join	Description
payment	staff.staff_id=payment.staff_id	Foreign Key referencing payment.staff-id

## Customer Table

Columns	Data Type	Description
customer_id 	serial	Unique customer identifier
Store_id	SMALLINT	Unique store identifier
first_name	varchar(45)	First name of the customer
last_name	varchar(45)	Last name of the customer
email	varchar(50)	Email address of the customer
address_id 	SMALLINT	Unique address identifier
activebool	BOOLEAN	Active or not?
create_date	date	Date profile was created on
last_update	timestamp	Last time entry was updated
active	INTEGER	Customer active or not?

### Unique keys

Column	Key Type	Description
customer_id	Primary key	Unique customer identifier
address_id	Foreign key	Unique address identifier

### Links to





Title of Table	Join	Description
Address	Customer.address_id=address_address_id	Foreign key referencing address.address_id



#### Linked from

Title of Table	Join	Description
rental	customer.customer_id=rental.customer_id	Foreign Key referencing rental.customer_id

#### Film category Table

Columns	Data Type	Description
film_id  	SMALLINT	Unique film identifier
category_id  	SMALLINT	Unique category identifier
last_update	timestamp	Last time entry was updated

#### Unique keys

Column	Key Type	Description
film_id	Primary key, Foreign key	Unique film identifier
category_id	Primary key, Foreign key	Unique category identifier



#### Links to

Title of Table	Join	Description
category	Film_category.category_id=category.category_id	Foreign Key referencing category.category_id
film	Film_category.film_id=film.film_id	Foreign key referencing film.film_id

#### Linked from

Film category table does not link from any other tables.

#### Inventory Table

Columns	Data Type	Description
inventory_id 	serial	Unique article identifier
film_id 	SMALLINT	Unique film identifier
store_id	SMALLINT	Unique store identifier
last_update	timestamp	Last time article was updated

#### Unique keys

Column	Key Type	Description
Inventory_id	Primary key	Unique article identifier
film_id	Foreign key	Unique film identifier



#### Links to

Title of Table	Join	Description
film	inventory.film_id=film.film_id	Foreign key referencing film.film_id

#### Linked from

Title of Table	Join	Description
rental	Inventory.inventory_id=rental.inventory_id	Foreign Key referencing rental.inventory_id

#### Film actor table

Columns	Data Type	Description
actor_id 	SMALLINT	Unique actor identifier
film_id 	SMALLINT	Unique film identifier
last_update	timestamp	Last time entry was updated

#### Unique keys

Column	Key Type	Description
Actor_id	Primary key, Foreign key	Unique actor identifier
film_id	Primary key, Foreign key	Unique film identifier


#### Links to

Title of Table	Join	Description
actor	Film_actor.actor_id=actor.actor_id	Foreign Key referencing actor.actor_id
film	Film_actor.film_id=film.film_id	Foreign key referencing film.film_id

#### Links from

Film actor tables doesn't link from any other tables.

#### Actor table

Columns	Data Type	Description
actor_id 	serial	Unique actor identifier
first_name	varchar (45)	First name of the actor
last_name	varchar (45)	Last name of the actor
last_update	timestamp	Last time entry was updated

### Unique keys

Column	Key Type	Description
Actor_id	Primary key	Unique actor identifier



### Links to

Actor table does not link to any other tables.

### Linked from

Title of Table	Join	Description
Film-actor	Film_actor.actor_id=actor.actor_id	Foreign Key referencing actor.actor_id

### Film table

Columns	Data Type	Description
film_id 	serial	Unique film identifier
title	varchar (255)	Film title
description	text	Film description
release_year	year	Release year
language_id 	SMALLINT	Unique Language identifier
rental_duration	SMALLINT	Duration of rental
rental_rate	Numeric(4,2)	Ratings Of rental
length	SMALLINT	Length of the film
replacement_cost	numeric (5,2)	Cost of replacing the film
rating	mpaa_rating	Rating of the film
last_update	timestamp	Last time entry was updated
special_features	text[]	Special added features
fulltext	tsvector	words in the description in their root

### Unique keys

Column	Key Type	Description
film_id	Primary key	Unique film identifier
Language_id	Foreign key	Unique Language identifier

### Links to

Title of Table	Join	Description
Language	film.language_id=language.language_id	Foreign Key referencing language.language_id

### Linked from

Title of Table	Join	Description
inventory	film.film_id=Inventory.film_id	Foreign Key referencing inventory.film_id

## Category Table

Columns	Data Type	Description
category_id🔑	serial	Unique film category identifier
name	varchar (25)	Name of the category
last_update	timestamp	Last time entry was updated

## Unique keys

Column	Key Type	Description
category_id	Primary key	Unique film category identifier

## Links to

Category table does not link to any other tables.

## Linked from

Title of Table	Join	Description
Film category	category.category_id=film_category.category_id	Foreign Key referencing film_category.category_id

## Address Table

Columns	Data Type	Description
address_id🔑	serial	Unique address identifier
address	varchar (50)	Address (street and number)
address2	varchar (50)	Remaining of address
district	varchar (20)	District
city_id🔗	SmallINT	Unique city identifier
postal_code	varchar (10)	Postal code
phone	varchar (20)	Phone number
last_update	timestamp	Last time address was updated

## Unique keys

Column	Key Type	Description
address_id	Primary key	Unique address identifier
city_id	Foreign key	Unique city identifier

## Links to

Title of Table	Join	Description
city	address.city_id=city.city_id	Foreign Key referencing city.city_id

#### Linked from

Title of Table	Join	Description
Store	address.address_id=store_category.address_id	Foreign Key referencing store.address_id
staff	address.address_id=staff.address_id	Foreign Key referencing staff.address_id
customer	address.address_id=customer.address_id	Foreign Key referencing customer.address_id

#### City table

Columns	Data Type	Description
city_id🔑	serial	Unique city identifier
city	varchar (50)	Name of the city
country_id🔑	SMALLINT	Unique country identifier
last_update	timestamp	Last time entry was updated

#### Unique keys

Column	Key Type	Description
city_id	primary key	Unique city identifier
Country_id	Foreign key	Unique country identifier

#### Links to

Title of Table	Join	Description
country	city.country_id=country.country_id	Foreign Key referencing country.country_id

#### Linked from

Title of Table	Join	Description
address	city.city_id=address.city_id	Foreign Key referencing address.city_id

#### Language table

Columns	Data Type	Description
language_id🔑	serial	Unique language identifier
name	CHARACTER(20)	Name of the language
last_update	timestamp	Last time entry was updated

### Unique keys

Column	Key Type	Description
Language_id	primary key	Unique Language identifier

### Links to

Language table does not link to any other tables.

### Linked from

Title of Table	Join	Description
film	language.language_id=film.language_id	Foreign Key referencing film.language_id

## Country Table

Columns	Data Type	Description
country_id🔑	serial	Unique country identifier
country	varchar (50)	Name of the country
last_update	timestamp	Last time entry was updated

### Unique keys

Column	Key Type	Description
country_id	primary key	Unique country identifier

### Links to

Country table does not link to any other tables.

### Linked from

Title of Table	Join	Description
city	country.country_id=city.country_id	Foreign Key referencing city.country_id