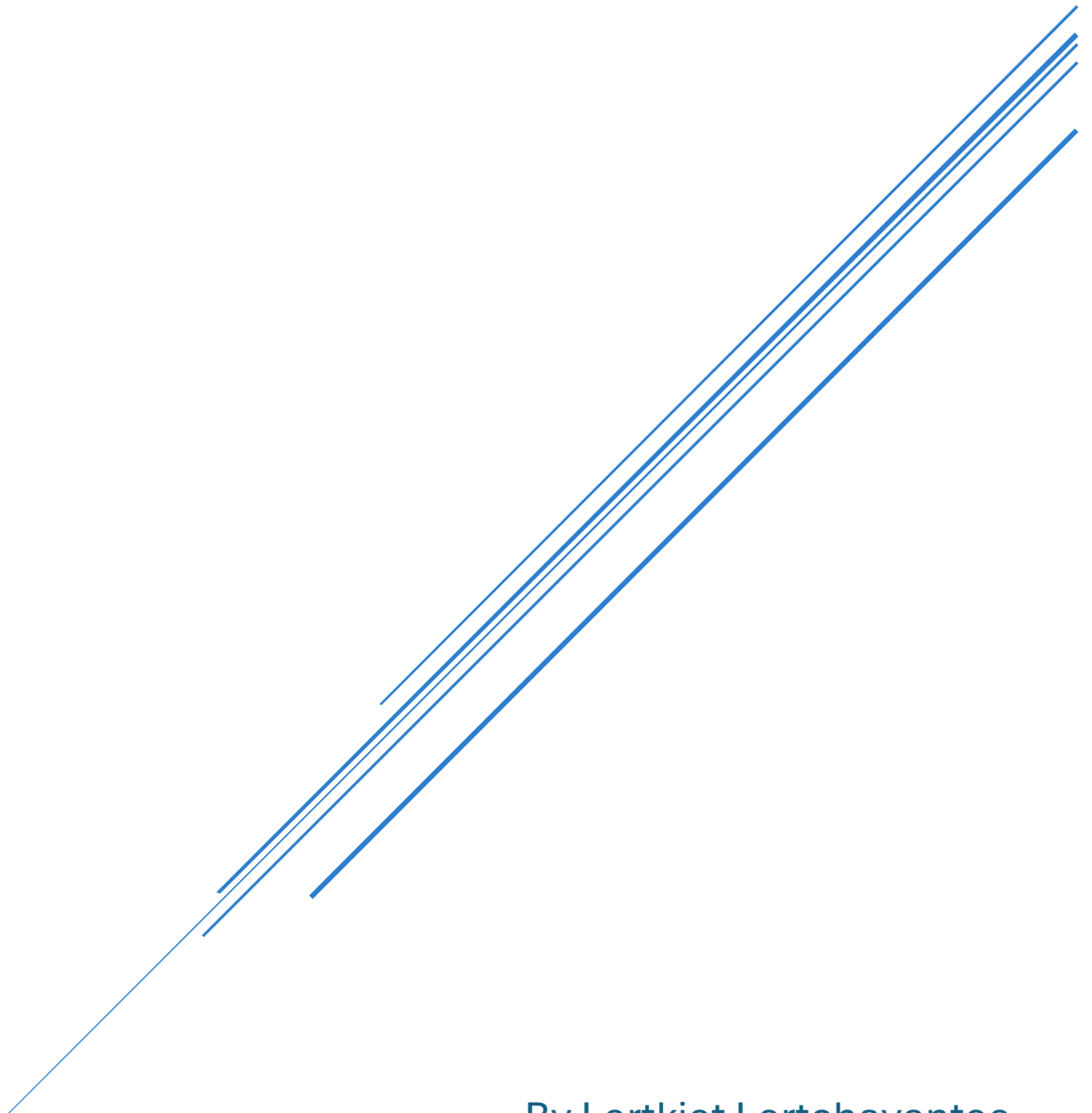


ROCKBUSTER STEALTH

DATA DICTIONARY



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1. ENTITY RELATIONSHIP DIAGRAM (ERD)



Schema Type

This is a Snowflake schema. The fact tables “payment” and “rental” are surrounded by dimension tables which are film_actor, actor, inventory, film, language, film_category, category, customer, staff, address, city and country

2. LEGEND







Primary key








Foreign key

3. FACT TABLES

3.1 Payment table


Columns		Data Type	Description
	payment_id	Integer	Unique identifier of a payment
	customer_id	Smallint	Unique identifier of a customer
	staff_id	Smallint	Unique identifier of a staff member
	rental_id	Integer	Unique identifier of a rental
	amount	Numeric(5,2)	Price of a rental
	payment_date	Timestamp without time zone	Date and time of a payment

3.2 Rental table



Columns		Data Type	Description
	rental_id	Integer	Unique identifier of a rental
	rental_date	Timestamp without time zone	Date and time when a customer rents a rental
	inventory_id	Integer	Unique identifier of an inventory
	customer_id	Smallint	Unique identifier of a customer
	return_date	Timestamp without time zone	Date and time when a customer returns a rental
	staff_id	Smallint	Unique identifier of a staff
	last_update	Timestamp without time zone	Date and time of record last updated

4. DIMENSION TABLES

4.1 Actor table



Columns	Data Type	Description
 actor_id	Integer	Unique identifier of an actor
first_name	Character varying(45)	First name of an actor
last_name	Character varying(45)	Last name of a customer
last_update	Timestamp without time zone	Date and time of record last updated

4.2 Film table


Columns	Data Type	Description
 film_id	Integer	Unique identifier of a customer
title	Character varying(50)	Title of a film
description	Text	Description of a film
release_year	Integer	Release year of a film
 language_id	Smallint	Unique identifier of a language
rental_duration	Smallint	Rental duration of a film
rental_rate	Numeric(4,2)	Rental rate in dollar of a film
length	Smallint	Length of a film
replacement_cost	Numeric(5,2)	Cost in dollar if a customer loses, damages or is not returning videos or DVDs
rating	mpaa_rating	movies rating based on their content and suitability for different audiences
last_update	Timestamp without time zone	Date and time of record last updated
special_features	Text[]	Special features of a film
fulltext	tsvector	Relating texts of a film

4. DIMENSION TABLES (COUNTINUED)


4.3 Film_category table

Columns	Data Type	Description
 film_id	Smallint	Unique identifier of a film
 category_id	Smallint	Unique identifier of a category
last_update	Timestamp without time zone	Date and time of record last updated




4.4 Category table

Columns	Data Type	Description
 category_id	Integer	Unique identifier of a category
name	Character varying(50)	Genre name of the category
last_update	Timestamp without time zone	Date and time of record last updated

4.5 Language table




Columns	Data Type	Description
 language_id	Integer	Unique identifier of a language
name	Character (20)	Language name of the language
last_update	Timestamp without time zone	Date and time of record last updated

4.6 Inventory table




Columns	Data Type	Description
 inventory_id	Integer	Unique identifier of an inventory
 film_id	Smallint	Unique identifier of a film
 store_id	Smallint	Unique identifier of a store
last_update	Timestamp without time zone	Date and time of record last updated

4. DIMENSION TABLES (COUNTINUED)

4.7 Store table




Columns	Data Type	Description
 store_id	Integer	Unique identifier of a store
 manager_staff_id	Smallint	Unique identifier of a store manager
 address_id	Smallint	Address of a store
last_update	Timestamp without time zone	Date and time of record last updated

4.8 Staff table



Columns	Data Type	Description
 staff_id	Integer	Unique identifier of a staff
first_name	Character varying(45)	First name of a staff
last_name	Character varying(45)	Last name of a staff
 address_id	Smallint	Unique identifier of an address
email	Character varying(50)	Email of a staff
 store_id	Smallint	Unique identifier of an address
active	Boolean	Showing a status if it is active in Boolean logic (true/false)
username	Character varying(16)	Username of a staff
password	Character varying(40)	Password of a staff
last_update	Timestamp without time zone	Date and time of record last updated
picture	bytea	Picture of a staff (in binary data)

4. DIMENSION TABLES (COUNTINUED)

4.9 Customer table



Columns		Data Type	Description
	customer_id	Integer	Unique identifier of a customer
	store_id	Smallint	Unique identifier of a store
	first_name	Character varying(45)	First name of a customer
	last_name	Character varying(45)	Last name of a customer (relating to the first name above)
	email	Character varying(50)	Email of a customer (relating to the first and last name above)
	address_id	Smallint	Unique identifier of an address
	activebool	Boolean	Showing a status if it is active in Boolean logic (true/false)
	create_date	Date	Date and time when a customer account created
	last_update	Timestamp without time zone	Date and time of record last updated
	active	Integer	Showing a status if it is active in integer number (1/0)

4.10 Address table


Columns		Data Type	Description
	address_id	Integer	Unique identifier of an address
	address	Character varying(50)	An address detail
	address2	Character varying(50)	Additional detail of an address
	district	Character varying(20)	District (relating to the address)
	city_id	Smallint	Unique identifier of a city
	postal_code	Character varying(10)	Postal code (relating to the address)
	phone	Character varying(20)	Phone number
	last_update	Timestamp without time zone	Date and time of record last updated

4. DIMENSION TABLES (CONTINUED)



4.11 City table

	Columns	Data Type	Description
	city_id	Integer	Unique identifier of a city
	city	Character varying(50)	City name (relating to city_id)
	country_id	Smallint	Unique identifier of a country
	last_update	Timestamp without time zone	Date and time of record last updated

4.12 Country table

	Columns	Data Type	Description
	country_id	Integer	Unique identifier of a country
	country	Character varying(50)	Country name (relating to country_id)
	last_update	Timestamp without time zone	Date and time of record last updated

4.13 Film_actor table

	Columns	Data Type	Description
	actor_id	Smallint	Unique identifier of an actor
	film_id	Smallint	Unique identifier of a film
	last_update	Timestamp without time zone	Date and time of record last updated