# Rockbuster Stealth LLC Data Dictionary

2024-NOV-8

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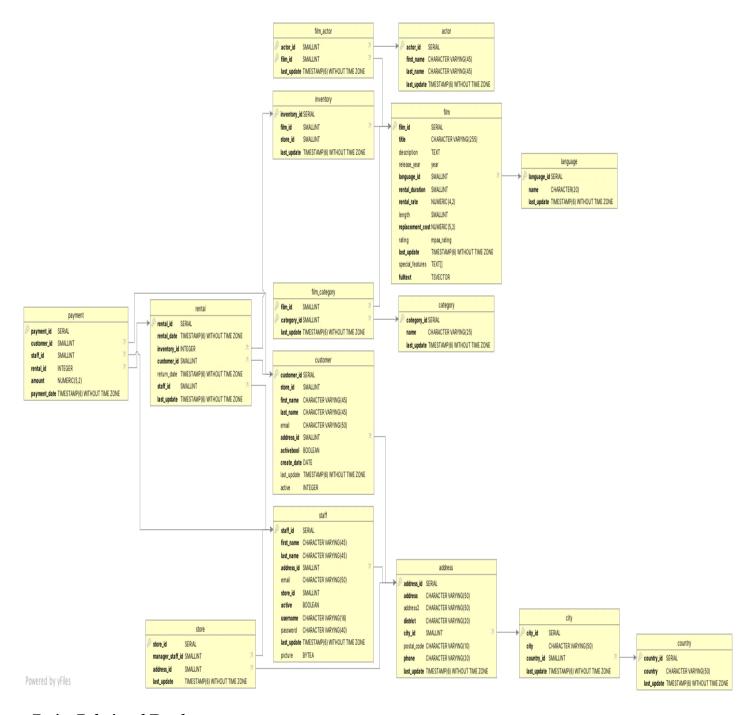
#### 1. ROCKBUSTER STEALTH LLC

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. As part of the Rockbuster Stealth management team strategy for the year of 2020 is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

Rockbuster's data set that contains information about films, languages, film inventory, film categories, film actors, actors, staff, customers, addresses, cities, countries, rentals, store, and payments.

Database can be downloaded here: Download the Rockbuster data set

#### 2. BUSINESS ENTITIES



#### **Entity Relational Database**

The film category, inventory, film actor, and language tables are all directly linked to the film table. The actor table is also directly linked to the film actor table. The category table is directly linked to the film category table. The store, staff, and customer tables are all directly linked to the address table. The address table is also directly linked to the city table. The city table is in turn directly linked to the country table. The payment table is directly linked to the staff, customer, and rental tables. Many of these tables are also linked to one another, as the Business Entity Data holds IDs for film, customers, payment, and various other entities.

### 3. FACT TABLE (EVENT) – RENTAL, PAYMENT, STORE

# 3.1 RENTAL TABLE – LINKED TO INVENTORY, CUSTOMER, & STAFF TABLES – LINKED FROM PAYMENT TABLE

Tables Name	Columns	Data Type	Description
	rental_id	Serial	Each rental given a number id (larger range of values - unique
	rental_date	Time Stamp (6) without time zone	Each film rental date (The time with up to 6 digits)
	inventory_id	Integer	Each inventory given a number id
rental	customer_id	SMALLINT	Each customer given a number id
	return_date	Time Stamp (6) without time zone	Each film return rental date (The time with up to 6 digits)
	staff_id	SMALLINT	Each staff given a number id (small integer values)
	last_update Time S	Time Stamp (6) without time zone	The information entered in the table last updated on a data
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
inverntory	inventory_id	inventory_id	film_id
customer	customer_id	customer_id	address_id
staff	staff_id	staff_id	address_id
Link from			
<b>T.</b> 1.1	1011		
Table	JOIN	Primary/Unique Key	Forign Key
payment	rental_id	payment_id	customer_id, staff_id, rental_id

### 3.2 STORE TABLE – LINKED TO STAFF & ADDRESS TABLES

<b>Tables Name</b>	Columns	Data Type	Description
	store_id	Serial	Each store
	3t01e_10	Jerrar	given a
	manager_staff_id	SMALLINT	Each
store		5 (ZEII ( )	manager
3.516	address_id	SMALLINT	Each
	address_id	SIVIALLIIVI	address
	last_update	Time Stamp (6) without time zone	The
	iast_update	Time Stamp (o) without time zone	
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
staff	store_id	staff_id	address_id
address	address_id	address_id	city_id

### 3.3 STORE TABLE – LINKED TO RENTAL, CUSTOMER, & STAFF TABLES

<b>Tables Name</b>	Columns	Data Type	Description
	payment_id	Serial	Each payment given a number id
	customer_id	SMALLINT	Each customer given a number id
payment	staff_id	SMALLINT	Each staff given a number id (small integer values)
payment	rental_id	Integer	Each rental given a number id (integer values)
	amount	numeric (5,2)	The amount paid of each rented film
	payment_date	Time Stamp (6) without time zone	Date for each payment made (The time with up to 6 digits)
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
rental	rental_id	payment_id	customer_id, staff_id, rental_id
customer	customer_id	customer_id	address_id
staff	staff_id	staff_id	address_id

4. DIMENSION TABLE (ENTITIES) – FILM\_ACTOR, INVENTORY, FILM\_CATEGORY, CUSTOMER, STAFF, ACTORS, FILM, CATEGORY, LANGUAGE, ADDRESS, CITY, COUNTRY

#### 4.1 FILM TABLE – LINKED TO LANGUAGE TABLE

Tables Name	Columns	Data Type	Description
	film_id	Serial	Each film
		991.41	given a
	Title	CHARACTER VARYING (255)	Each film
	11616	OT II (10 (200)	title/ name
	Description	Text	A summary
	Description	TOX	of each film
	release_year	Year	The year
	rerease_year	1001	(Year values
	language_id	SMALLINT	Each film
	rangaage_ra	SIVII (EEII VI	language -
	rental_duration	SMALLINT	Number of
	Terreal_daration	SIVII (ELIIVI	days each
	rental_rate	Numeric (4,2)	The price of
film	Terreat_rate	1 (4)	each rented
	Length	SMALLINT	The length
	Length	SIVIII (LETIVI	of the film
	replacemnt_cost	Numeric (5,2)	The price of
	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		each film in Each film
	Rating	Rating mpaa_rating	
	9	paa_rating	rating
			The
	last_update	Time Stamp (6) without time zone	information
			entered in
	special_features	text[]	Each film
	op	557.0[]	genere
	Fulltext	Tsvectop	Each film
	Tarreste	Tovectop	key words
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
language	language_id	language_id	-

#### 4.2 LANGUAGE TABLE – LINKED FROM FILM TABLE

<b>Tables Name</b>	Columns	Data Type	Description
	language_id	serial	Each language given a number id
	language_ru	SCHAI	(larger range of values - unique
languago	name	me CHARACTER VARYING (20)	Each film language
language	guage Hame CHARACTER VARTING (20)	Different characters up to 20	
	last_update	Time Stamp (6) without time zone	The information entered in the
			table last updated on a data and
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
film	language_id	film_id	-

#### 4.3 FILM\_ACTOR TABLE – LINKED TO ACTOR & FILM TABLES

<b>Tables Name</b>	Columns	Data Type	Description
	actor_id	SMALLINT	Each actor
	actor_id	SIVIALLINI	given a
film actor	film_id	SMALLINT	Each film
iiiii_actoi	IIIII_IG	SIVIALLINI	given a
	last_update	Time Stamp (6) without time zone	The
	last_update	Time Stamp (o) without time zone	information
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
actor	actor_id	actor_id	film_id
film	film_id	film_id	language_id

## 4.4 ACTOR TABLE – LINKED FROM FILM\_ACTOR TABLE

Tables Name	Columns	Data Type	Description
actor	actor_id	Serial	Each actor given a number id (larger range of values - unique identifier values)
	first_name	CHARACTER VARYING (45)	Each actor first name
	last_name	CHARACTER VARYING (45)	Each actor last name
	last_update	Time Stamp (6) without time zone	The information
Linked from			
Linked irom			
Table	JOIN	Primary/Unique Key	Forign Key
film_actor	actor_id	actor_id	film_id

# 4.5 INVENTORY TABLE – LINKED TO FILM TABLE – LINKED FROM RENTAL TABLE

Tables Name	Columns	Data Type	Description
	inventory_id	Serial	Each inventory given a number id
			(larger range of values - unique
	film_id	SMALLINT	Each film given a number id (small integer values)
inventory	atoro id	SMALLINT	Each store given a number id
	store_id	SIVIALLINI	(small integer values)
	last update	sst_update Time Stamp (6) without time zone	The information entered in the
	.aot_apaato		table last updated on a data and
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
film	film_id	inventory_id	film_id
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
rental	inventory_id	rental_id	inventory_id, customer_id, staff_id

#### 4.6 FILM\_CATEGORY TABLE - LINKED TO ACTOR & FILM TABLES

<b>Tables Name</b>	Columns	Data Type	Description
	film id	SMALLINT	Each film given a number id
	IIIII_IG	SWALLINI	(small integer values)
film_category	category_id	SMALLINT	Films are categorized and
illin_category	category_id	SWALLINI	those categories id are by
	last_updated	Time Stamp (6) without time zone	The information entered in the
			table last updated on a data
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
actor	actor_id	actor_id, film_id	-
film	film_id	film_id	language_id

### 4.7 CATEGORY TABLE - LINKED FROM FILM\_ CATEGORY TABLE

Tables Name	Columns	Data Type	Description
	category_id	serial	Films are categorized and
	category_ra	Schal	each those category given a
category	name	CHARACTER VARYING (25)	Each film genere
category	Harrie	name CHARACTER VARYING (25)	(Different characters up to 25
	last_update Time Stamp (6) without time zone	The information entered in the	
	last_update	update Time Stamp (o) without time zone	table last updated on a data
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
film_category	category_id	film_id, category_id	category_id

 $4.8\ STAFF\ TABLE$  - LINKED TO ADDRESS TABLE - LINKED FROM PAYMENT TABLE

Tables Name	Columns	Data Type	Description
	staff_id	Serial	Each staff given a number (larger range of values - unique identifier values)
	first_name	CHARACTER VARYING (45)	Each Staff first name (Different characters up to 45
	last_name	CHARACTER VARYING (45)	Each Staff last name (Different characters up to 45
staff	address_id	SMALLINT	Each address given a number id
	email	CHARACTER VARYING (50)	Staff email address (Different characters up to 50
	store_id	SMALLINT	Each store given a number id (small integer values)
	active	BOOLEAN	The state of the staff if they are active or inactive members
	Username	CHARACTER VARYING (16)	Each staff member username (Different characters up to 16
	password	CHARACTER VARYING (40)	Each staff member password (Different characters up to 40
	last_update	Time Stamp (6) without time zone	The information entered in the table last updated on a data
	picture	BYTEA	Data about the pictures (images binary values)
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
address	address_id	address_id	city_id
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
payment	staff_id	payment_id	customer_id, staff_id, rental_id
J- 2. J		F-575	

# 4.9 CUSTOMER TABLE - LINKED TO ADDRESS TABLE - LINKED FROM RENTAL TABLE

<b>Tables Name</b>	Columns	Data Type	Description
customer	customer_id	Serial	Each customer given a number id (larger range of values - unique identifier values)
	store_id	SMALLINT	Each store given a number id (small integer values)
	first_name	CHARACTER VARYING (45)	Customer's first name (Different characters up to 45
	last_name	CHARACTER VARYING (45)	Customer's last name (Different characters up to 45
	Email	CHARACTER VARYING (50)	Customer's email (Different characters up to 50
	address_id	SMALLINT	Customer's address given a number id
	Activebool	BOOLEAN	The state of the customers if they are active or inactive members
	create_date	DATE	Customer's data/profile first created
	last_update	Time Stamp (6) without time zone	The information entered in the table last updated on a data and
	active	INTEGER	A state of the customers if they are active or inactive members
Linked to			
Table	JOIN	Primary/Haisus-V	Faulaus Var
address	address_id	Primary/Unique Key customer_id	Forign Key address_id
add1633	address_id	custoffier_iu	address_id
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
rental	customer_id	rental_id	inventory_id, customer_id, staff_id

### 4.10 ADDRESS TABLE - LINKED TO CITY TABLE

<b>Tables Name</b>	Columns	Data Type	Description
	address_id	searial	Each store
	addi ess_id	Scarrai	given a
	address	CHARACTER VARYING (50)	Each
	address		customer
	address2	CHARACTER VARYING (50)	Each
	44416332		customer
	District	CHARACTER VARYING (20)	Each
address	District		customer
address	city_id	SMALLINT	Each city
	city_ia		given a
	postal_code	CHARACTER VARYING (10)	Eacn
	postal_code		customer
	phone	CHARACTER VARYING (20)	Each
			customer
	1	Time Stamp (6) without time zone	Date for
	last_updated		each
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
city	city_id	city_id	country_id

# $4.11\ \textsc{City}$ table - linked to county table - linked from address table

<b>Tables Name</b>	Columns	Data Type	Description
city	city_id	searial	Each store
	city_ia		given a
	city	CHARACTER VARYING (50)	Each
			customer
city	country_id	SMALLINT	Each
	courtery_ra		country
	last_update	Time Stamp (6) without time zone	Date for
			each
Linked to			
Table	JOIN	Primary/Unique Key	Forign Key
country	country_id	country_id	_
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
address	city_id	address_id	city_id

#### 4.12 COUNTRY TABLE - LINKED FROM CITY TABLE

Table	JOIN	Primary/Unique Key	Forign Key
	country_id	searial	Each store
	courtify_ra		given a
country	country	CHARACTER VARYING (50)	Each
	Courtery		customer
	last_update	Time Stamp (6) without time zone	Date for
			each
Linked from			
Table	JOIN	Primary/Unique Key	Forign Key
city	country_id	country_id	_