

Rockbuster Stealth

Data Dictionary

30.09.2022

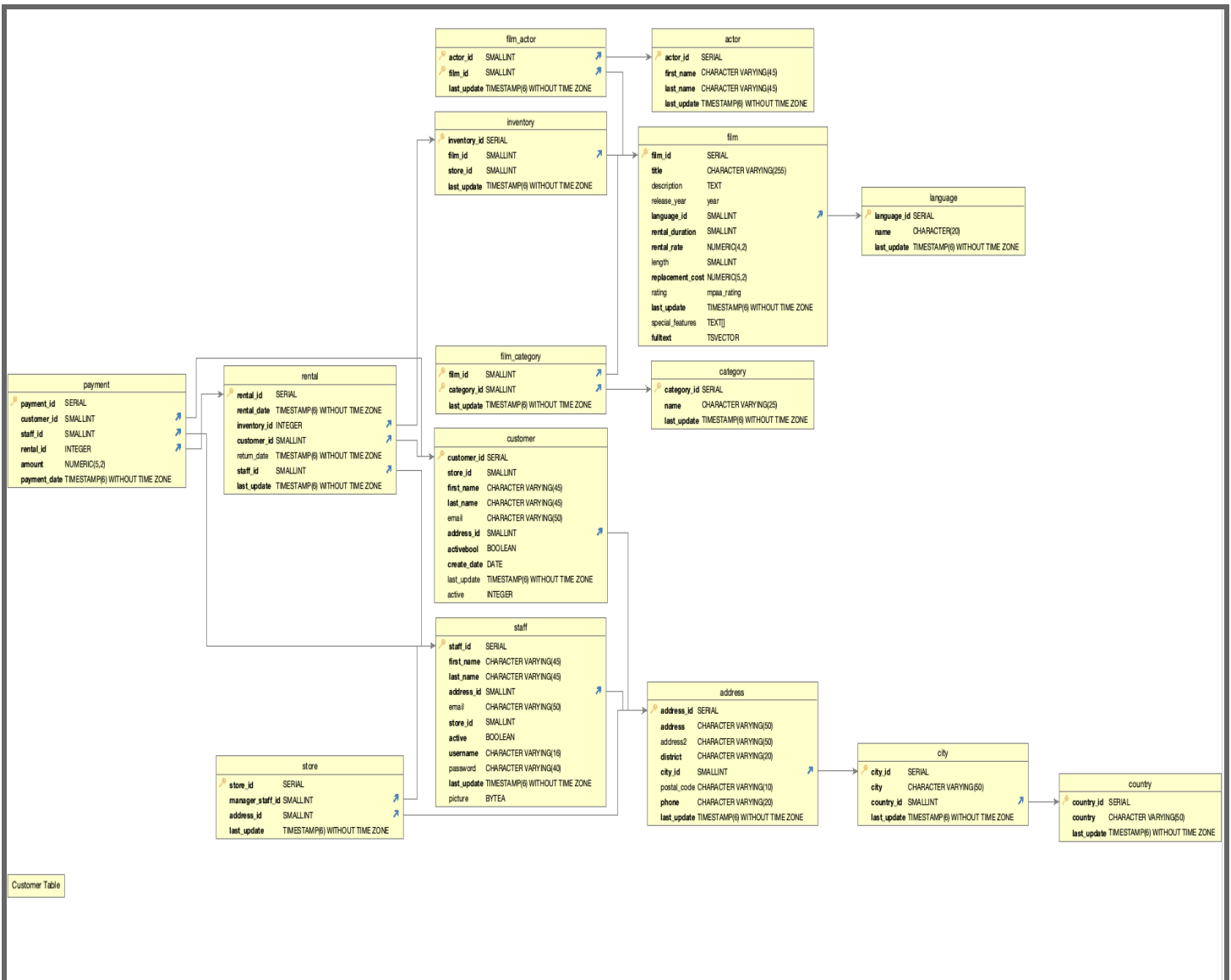
Aysha Hassan

Data Analytics Team

Table of Contents

1. Entity Relationship Diagram (ERD)	3
2. Legend	4
3. Fact Table	4
3.1 Table Name: Rental	4
4. Dimension Table	5
4.1 Table Name: Inventory	5
4.2 Table Name: Customer	6
4.3 Table Name: Staff	7
4.4 Table Name: Payment	8
4.5 Table Name: Store	8
4.6 Table Name: Film Category	9
4.7 Table Name: Film Actor	9
4.8 Table Name: Actor	10
4.9 Table Name: Film	11
4.10 Table Name: Category	12
4.11 Table Name: Address	12
4.12 Table Name: Language	13
4.13 Table Name: City	13
4.14 Table Name: Country	14

1. Entity Relationship Diagram (ERD)



2. Legend

Primary Key	P
Foreign Key	F

3. Fact Table

3.1 Table Name: Rental

Key	Columns	Data Type	Description	Links From	Links To
P	rental_id	SERIAL	The unique id assigned to each movie rental	Payment	
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of when it was rented out		
F	inventory_id	Integer	The id assigned for record keeping		Inventory
F	customer_id	SMALLINT	Customer id to whom the movie was issued		Customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of return		
F	staff_id	SMALLINT	The id assigned to each staff		Staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4. Dimension Table

4.1 Table Name: Inventory

Key	Columns	Data Type	Description	Links From	Links To
P	inventory_id	SERIAL	The id assigned for record keeping		
F	film_id	SMALLINT	The unique id assigned to each movie		Film
	store_id	SMALLINT	The unique id assigned to each store		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.2 Table Name: Customer

Key	Columns	Data Type	Description	Links From	Links To
P	customer_id	SERIAL	Customer id to whom the movie was issued	Rental, Payment	
	store_id	SMALLINT	The unique id assigned to each store		
	first_name	CHARACTER VARYING(45)	First name of customer		
	last_name	CHARACTER VARYING(45)	Last name of customer		
	email	CHARACTER VARYING(50)	Email address of customer		
F	address_id	SMALLINT	Postal address of customer		Address
	activebool	BOOLEAN	Status whether customer is active or not		
	create_date	DATE	Creation date		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		
	active	INTEGER	Status of customer		

4.3 Table Name: Staff

Key	Columns	Data Type	Description	Links From	Links To
P	staff_id	SERIAL	The id assigned to each staff	Payment, Rental, Store	
	first_name	CHARACTER VARYING(45)	First name of staff		
	last_name	CHARACTER VARYING(45)	Last name of staff		
F	address_id	SMALLINT	Postal address of staff		Address
	email	CHARACTER VARYING(50)	Email address of staff		
	store_id	SMALLINT	The unique id assigned to each store		
	active	BOOLEAN	Status whether customer is active or not		
	username	CHARACTER VARYING(16)	Username of staff		
	password	CHARACTER VARYING(40)	Password of staff		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		
	picture	BYTEA	Picture of staff		

4.4 Table Name: Payment

Key	Columns	Data Type	Description	Links From	Links To
P	payment_id	SERIAL	The id assigned for record keeping		
F	customer_id	SMALLINT	Customer id to whom the movie was issued		Customer
F	staff_id	SMALLINT	The unique id assigned to each store		Staff
F	rental_id	INTEGER	The unique id assigned to each movie rental		Rental
	amount	NUMERIC(5,2)	The amount paid by customer		
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time of payment		

4.5 Table Name: Store

Key	Columns	Data Type	Description	Links From	Links To
P	store_id	SERIAL	The unique id assigned to each store		
F	manager_staff_id	SMALLINT	ID of Manager		Staff
F	address_id	SMALLINT	Postal address of store		Address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.6 Table Name: Film Category

Key	Columns	Data Type	Description	Links From	Links To
P F	film_id	SMALLINT	The unique id assigned to each movie		Film
P F	category_id	SMALLINT	The unique id assigned to each movie category		Category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.7 Table Name: Film Actor

Key	Columns	Data Type	Description	Links From	Links To
P F	actor_id	SMALLINT	The unique id assigned to an actor		Actor
P F	film_id	SMALLINT	The unique id assigned to each movie		Film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.8 Table Name: Actor

Key	Columns	Data Type	Description	Links From	Links To
P	actor_id	SERIAL	The unique id assigned to an actor		
	first_name	CHARACTER VARYING(45)	First name of actor		
	last_name	CHARACTER VARYING(45)	Last name of actor		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.9 Table Name: Film

Key	Columns	Data Type	Description	Links From	Links To
P	film_id	SERIAL	The unique id assigned to each movie	Film_actor, Inventory, film_category	
	title	CHARACTER VARYING(255)	Title of the movie		
	description	TEXT	What is the movie about		
	release_year	year	Year of release		
F	language_id	SMALLINT	ID assigned to language(s) movie is available in		Language
	rental_duration	SMALLINT	Length of time for which movie is on rent		
	rental_rate	NUMERIC(4,2)	Price of rent		
	length	SMALLINT	Duration of movie		
	replacement_cost	NUMERIC(5,2)	Cost of replacement in the case of loss or theft		
	rating	mpaa-rating	Movie rating		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		
	special_features	TEXT[]	If there are any special features available (HD, subtitles etc)		
	fulltext	TSVECTOR	Key words		

4.10 Table Name: Category

Key	Columns	Data Type	Description	Links From	Links To
P	category_id	SERIAL	The unique id assigned to each movie category	Film_category	
	name	CHARACTER VARYING(25)	Name of category		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.11 Table Name: Address

Key	Columns	Data Type	Description	Links From	Links To
P	address_id	SERIAL	Postal address of store	Store, Staff, Customer	
	address	CHARACTER VARYING(50)	Postal address of store		
	address2	CHARACTER VARYING(50)	Postal address of store		
	district	CHARACTER VARYING(20)	Time of last updated status		
F	city_id	SMALLINT	City		City
	postal_code	CHARACTER VARYING(10)	Postal Code		
	Phone	CHARACTER VARYING(20)	Phone number		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.12 Table Name: Language

Key	Columns	Data Type	Description	Links From	Links To
P	language_id	SERIAL	ID assigned to language(s) movie is available in	Film	
	name	CHARACTER(20)	Name of language		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.13 Table Name: City

Key	Columns	Data Type	Description	Links From	Links To
P	city_id	SERIAL	Id assigned to City	Address	
	name	CHARACTER VARYING(50)	Name of City		
F	country_id	SMALLINT	Country code		Country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		

4.14 Table Name: Country

Key	Columns	Data Type	Description	Links From	Links To
P	country_id	SERIAL	Country code	City	
	country	CHARACTER VARYING(50)	Name of Country		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status		
