

ROCKBUSTER STEALTH DATA ANALYSIS PROJECT

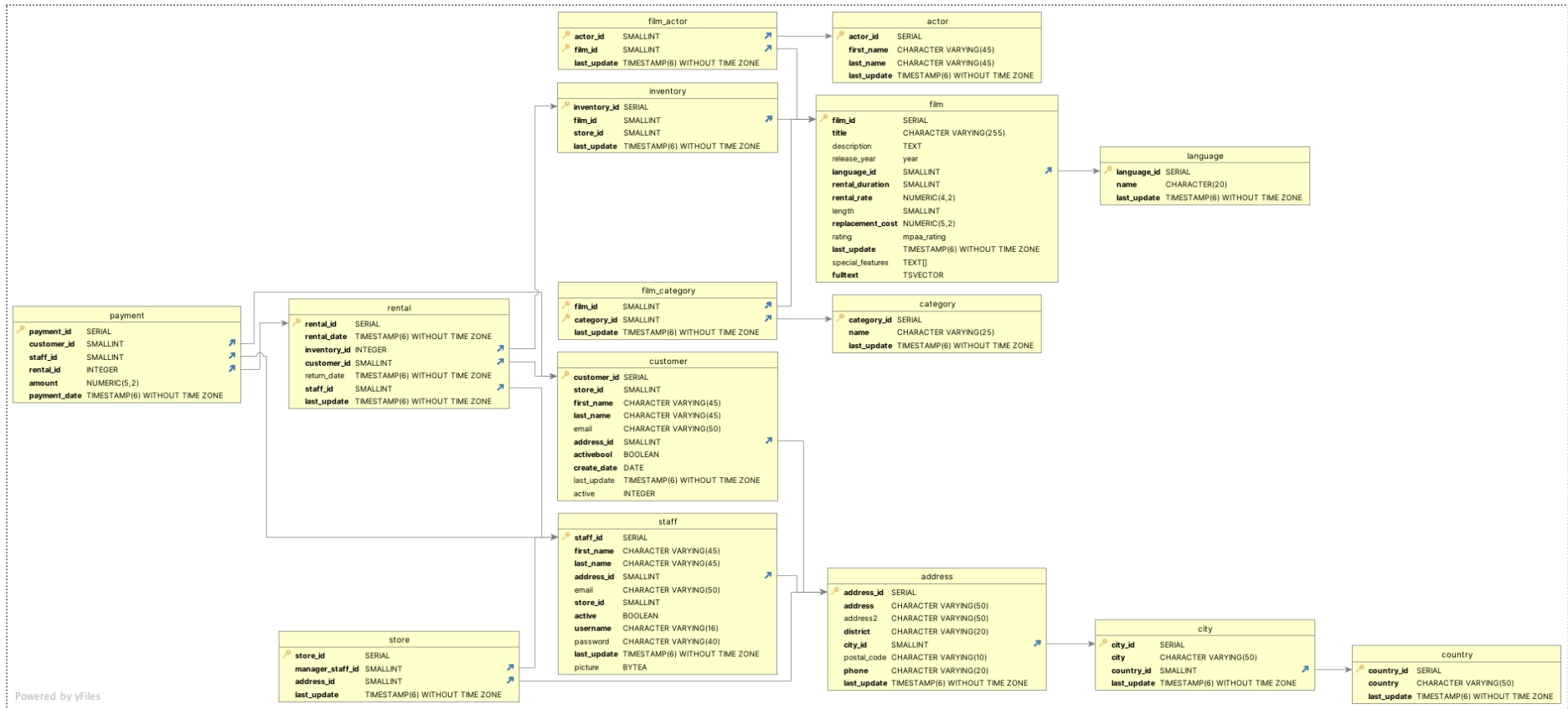
DATA DICTIONARY

23. July 2023

TABLE OF CONTENTS

1. ERD from the Rockbuster Database.....	3
2. TABLES.....	4
Fact Table - payment.....	4
Dimension Table - rental.....	5
Dimension Table - customer.....	6
Dimension Table - staff.....	7
Dimension Table - store.....	8
Dimension Table - address.....	9
Dimension Table - city.....	10
Dimension Table - country.....	10
Dimension Table - film_actor.....	11
Dimension Table - category.....	11
Dimension Table - inventory.....	12
Dimension Table - film_category.....	12
Dimension Table - film.....	13
Dimension Table - actor.....	14
Dimension Table - language.....	14

1. ERD from the Rockbuster Database



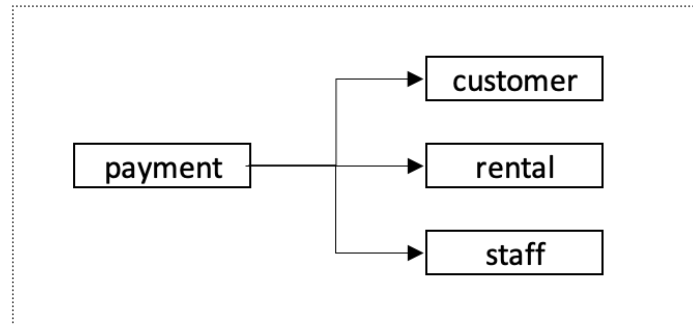
Primary Key







Foreign Key

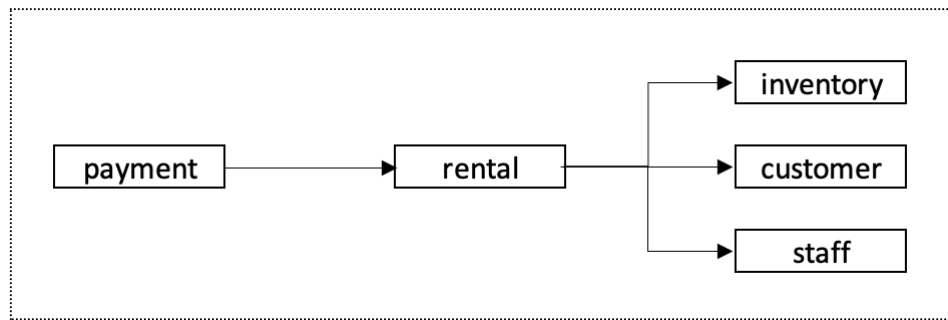
2. TABLES





Fact Table - **payment**



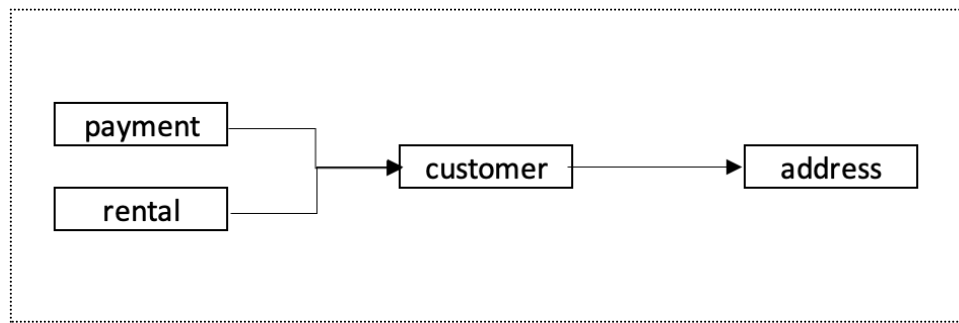
	Columns	Data Type	Description	
	payment_id	serial	Unique id for each payment	
	customer_id	smallint	Unique id for each customer	
	staff_id	smallint	Unique id for each staff member	
	rental_id	integer	Unique id for each film rental	
	amount	Numeric (2,5)	Rental fee	
	payment_date	Timestamp (6) without the time zone	Date and time when the table was last updated	



Dimension Table - rental



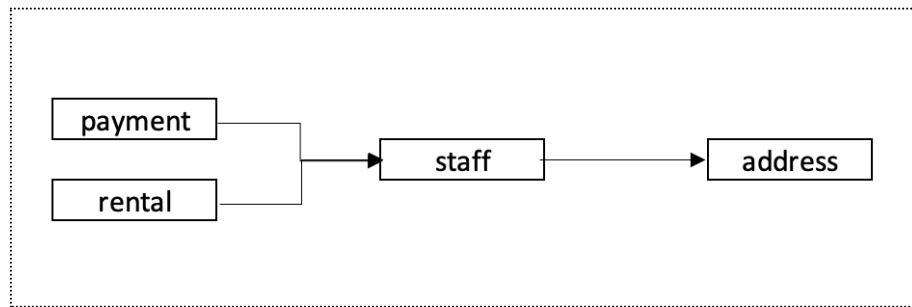
	Columns	Data Type	Description	
	rental_id	serial	Unique id for each film rental	
	rental_date	Timestamp (6) without the time zone	Date and time when the film was rented out	
	inventory_id	integer	Unique id for each item	
	customer_id	smallint	Unique id for each customer	
	return_date	Timestamp (6) without the time zone	Date and time when the film was returned	
	staff_id	smallint	Unique id for each staff member	
	last_update	Timestamp (6) without the time zone	Date and time when the table was last updated	



Dimension Table - **customer**



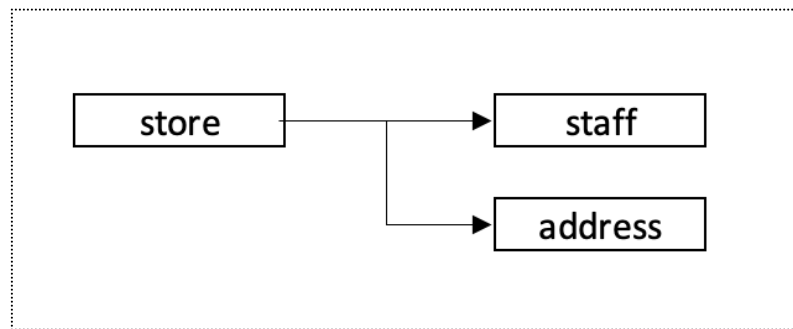
	Columns	Data Type	Description	
	customer_id	serial	Unique id for each customer	
	store_id	smallint	Unique id for each store	
	first_name	Character varying (45)	First name of the customer	
	last_name	Character varying (45)	Second name of the customer	
	email	Character varying (50)	Email of the customer	
	address_id	smallint	Unique id for each address	
	activebool	boolean	Is the customer actively renting? If yes, then TRUE. Else, FALSE	
	create_date	date	Date the customer joined Rockbuster	
	last_update	Timestamp (6) without the time zone	Date and time when the table was last updated	
	active	integer	Is the customer actively renting? If yes, then 1. Else, 0	




Dimension Table - **staff**



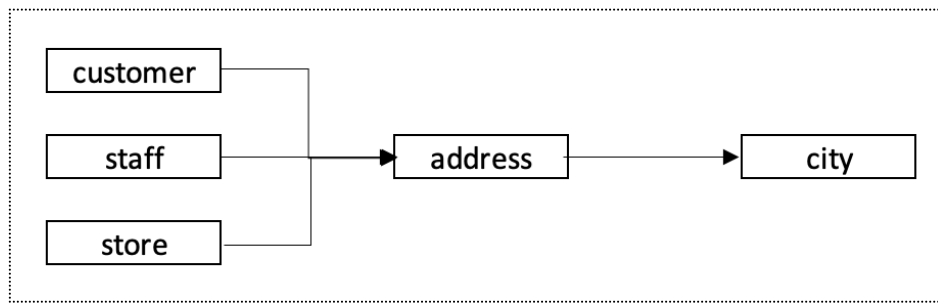
	Columns	Data Type	Description	
	staff_id	serial	Unique id for each staff member	
	first_name	Character varying (45)	First name of the staff member	
	last_name	Character varying (45)	Last name of the staff member	
	address_id	smallint	Unique id for each address of the staff member	
	email	Character varying (50)	Email of each staff member	
	store_id	smallint	Unique id for each store	
	active	boolean	Is the customer actively renting? If yes, then TRUE. Else, FALSE	
	username	Character varying (16)	Username of the staff member	
	password	Character varying (40)	Password of the staff member	
	last_update	Timestamp (6) without the time zone	Date and time when the table was last updated	
	picture	bytea	Photo of the staff member	



Dimension Table - **store**



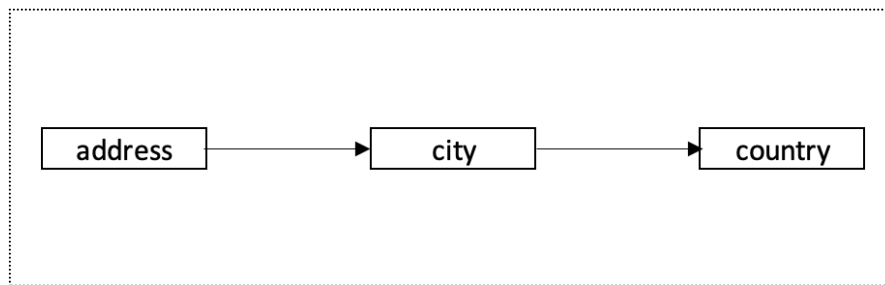
	Columns	Data Type	Description	
	store_id	serial	Unique id for each store	
	manager_staff_id	smallint	Unique id for each manager	
	address_id	smallint	Unique id for each store	
	last_update	Timestamp (6) without the time zone	Date and time when the table was last updated	



Dimension Table - **address**



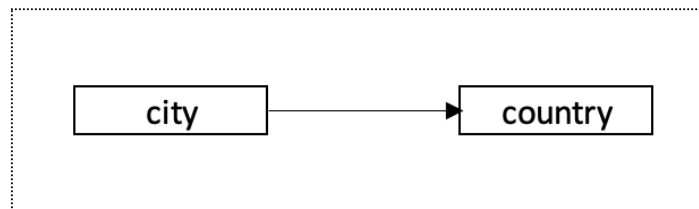
	Columns	Data Type	Description	
	address_id	serial	Unique id for each address	
	address	Character varying (50)	First line of address	
	address2	Character varying (50)	Second line of address	
	district	Character varying (20)	district	
	city_id	smallint	Unique id for each city	
	postal_code	Character varying (10)	Postal code	
	phone	Character varying (20)	Phone number	
	last_update	Timestamp (6) without the time zone	Date and time when the table was last updated	


Dimension Table - city



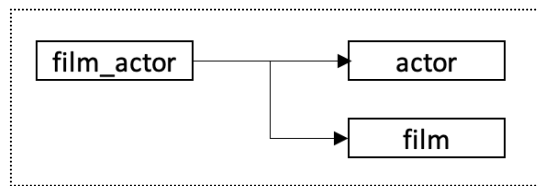
	Columns	Data Type	Description	
	city_id	serial	Unique id for each city	
	city	Character varying (50)	Name of each city	
	country_id	smallint	Unique id for each country	
	last_update	Timestamp (6) without the time zone	Date and time when the table was last updated	





Dimension Table - country



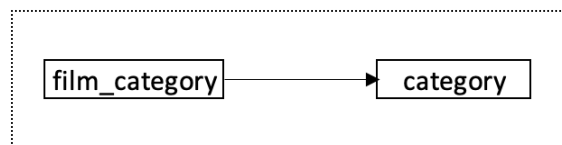
	Columns	Data Type	Description
	country_id	serial	Unique id for each country
	country	Character varying (50)	Name of each country
	last_update	Timestamp (6) without the time zone	Time when the table was last updated


Dimension Table - **film_actor**



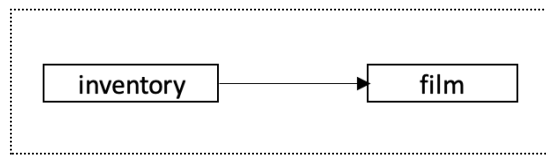
	Columns	Data Type	Description	
	actor_id	smallint	Unique id for each actor	
	film_id	smallint	Unique id for each film	
	last_update	Timestamp (6) without the time zone	Time when the table was last updated	



Dimension Table - **category**



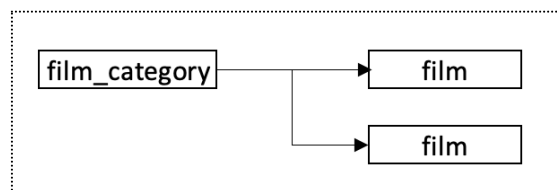
	Columns	Data Type	Description
	category_id	serial	Unique id for each category
	name	Character varying (25)	Name of each category
	last_update	Timestamp (6) without time zone	Time when the table was last updated





Dimension Table - **inventory**



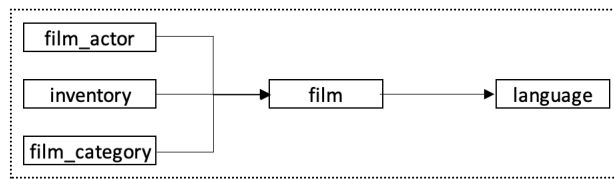
	Columns	Data Type	Description	
	inventory_id	serial	Unique id for each item	
	film_id	smallint	Unique id for each film	
	store_id	smallint	Unique id for each store	
	last_update	Timestamp (6) without the time zone	Time when the table was last updated	



Dimension Table - **film_category**



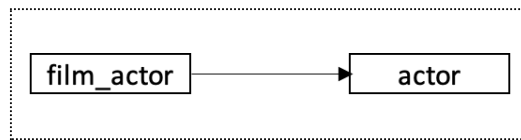
	Columns	Data Type	Description	
	film_id	smallint	Unique id for each film	
	category_id	smallint	Unique id for each category	
	last_update	Timestamp (6) without the time zone	Time when the table was last updated	


Dimension Table - film



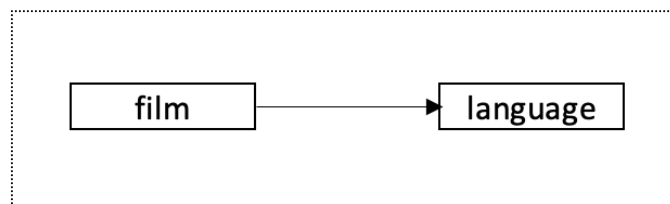
	Columns	Data Type	Description	
	film_id	serial	Unique id for each film	
	title	Character varying (255)	Title of the film	
	description	text	Description of the film	
	release_year	year	Year in which the film was released	
	language_id	smallint	Language in which the film was released	
	rental_duration	smallint	Count of how many times the movie was rented	
	rental_rate	Numeric (4,2)	Cost of renting the movie	
	length	smallint	Duration of the film in minutes	
	replacement_cost	Numeric (5,2)	Cost to replace the film	
	rating	mpaa_rating	Rating of the film	
	last_update	Timestamp (6) without the time zone	Time when the table was last updated	
	special_features	text[]	Features available in addition to the movie	
	fulltext	tsvector	Keystings to search for the film	


Dimension Table - actor



	Columns	Data Type	Description
	actor_id	serial	Unique id for each actor
	first_name	Character varying (50)	First name of the actor
	last_name	Character varying (50)	Last name of the actor
	last_update	Timestamp (6) without the time zone	Time when the table was last updated

Dimension Table - language



	Columns	Data Type	Description
	language_id	serial	Unique id for language
	name	Character (20)	Name of the language
	last_update	Timestamp (6) without time zone	Time when the table was last updated