Rockbuster Stealth LLC Data Dictionary

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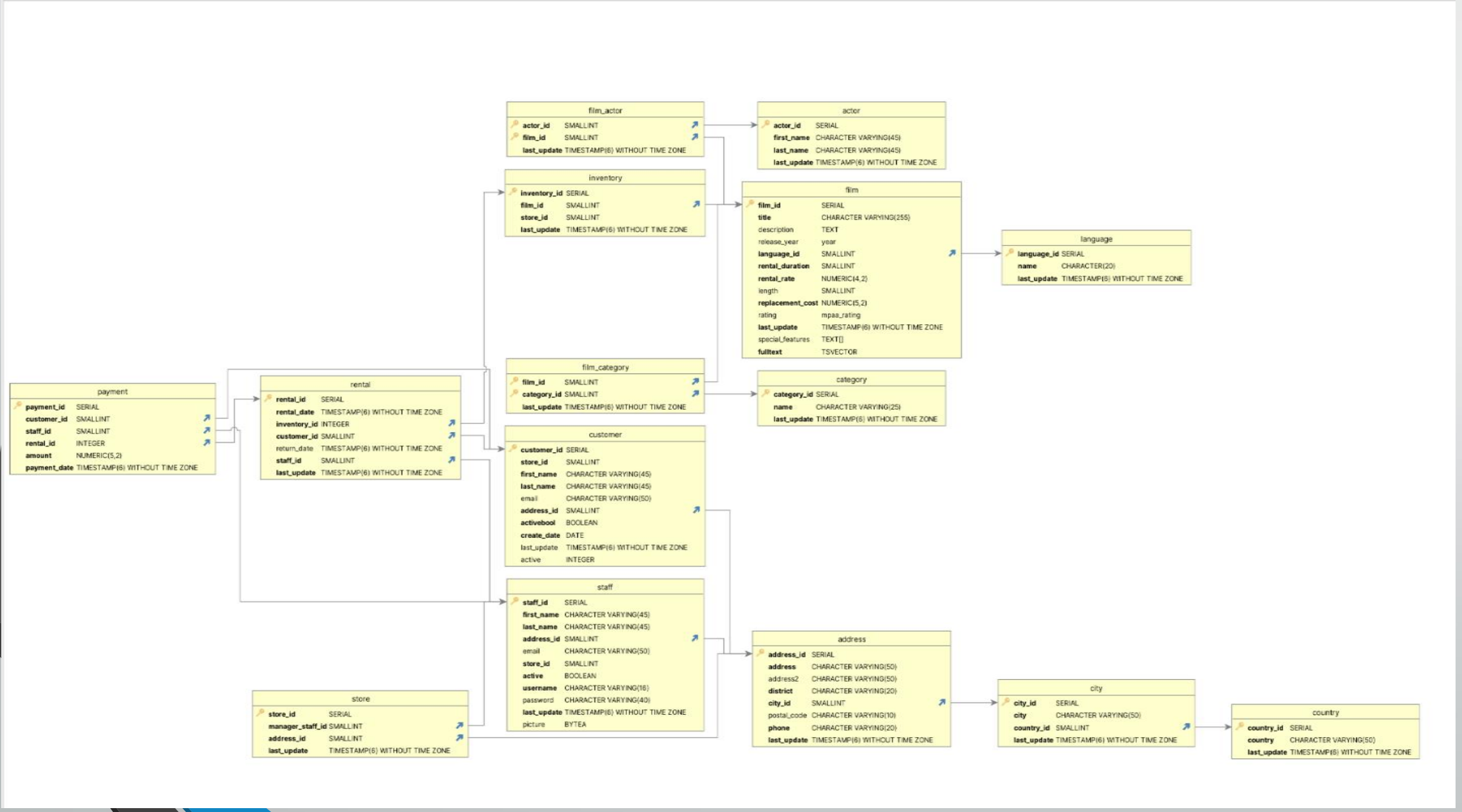
Rockbuster Database Schema / ERD



Fact Table

payment					
Key	Columns	Data Type	Description	Link To	Link From
PK	payment_id	SERIAL	Identifying unique value of payment		
FK	customer_id	SMALLINT	Identifying unique value of customer	customer	
FK	staff_id	SMALLINT	Identifying unique value for member of staff	staff	
FK	rental_id	INTEGER	Identifying unique value of rental	rental	
	amount	NUMERIC(5,2)	Identifying rental price amount		
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying date of payment		

Fact Table

rental					
Key	Columns	Data Type	Description	Link To	Link From
PK	rental_id	SERIAL	Identifying unique value of rental		payment
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying date of rental		
FK	inventory_id	INTEGER	Identifying unique value of product inventory	inventory	
FK	customer_id	SMALLINT	Identifying unique value of customer	customer	
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying rented product return date		
FK	staff_id	SMALLINT	Identifying unique value for member of staff	staff	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Dimension Table

store					
Key	Columns	Data Type	Description	Link To	Link From
PK	store_id	SERIAL	Identifying unique value of Rockbuster store		inventory staff
FK	manager_staff_id	SMALLINT	Identifying unique value of Rockbuster employee	staff	
FK	address_id	SMALLINT	Identifying unique value of store address	address	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

film_actor					
Key	Columns	Data Type	Description	Link To	Link From
FK	actor_id	SMALLINT	Identifying unique value of movie actor	actor	
FK	film_id	SMALLINT	Identifying unique value of film	film	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Dimension Table

inventory					
Key	Columns	Data Type	Description	Link To	Link From
PK	inventory_id	SERIAL	Identifying unique value of rental inventory item		rental
FK	film_id	SMALLINT	Identifying unique value of film	film	
FK	store_id	SMALLINT	Identifying unique value of Rockbuster store	store	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

film_category					
Key	Columns	Data Type	Description	Link To	Links From
FK	film_id	SMALLINT	Identifying unique value of film	film	
FK	category_id	SMALLINT	Identifying unique value of film category	category	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Dimension Table

customer					
Key	Columns	Data Type	Description	Link To	Link From
PK	customer_id	SERIAL	Identifying unique value of customer		rental payment
FK	store_id	SMALLINT	Identifying unique value of Rockbuster store	store	
	first_name	CHARACTER VARYING(45)	Identifies customer's first name		
	last_name	CHARACTER VARYING(45)	Identifies customer's last name		
	email	CHARACTER VARYING (50)	Identifies email of customer		
FK	address_id	SMALLINT	Identifying unique value of store address	address	
	activebool	BOOLEAN	Identifies account active or inactive		
	create_date	DATE	Identifying customer creation date		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		
	active	INTEGER	Identifies if customer account is still active		

Dimension Table

staff					
Key	Columns	Data Type	Description	Links To	Links From
PK	staff_id	SERIAL	Identifying unique value member of staff		rental payment store
	first_name	CHARACTER VARYING(45)	Identifies Rockbuster staff member's first name		
	last_name	CHARACTER VARYING(45)	Identifies Rockbuster staff member's last name		
FK	address_id	SMALLINT	Identifying unique value of store address	address	
	email	CHARACTER VARYING(50)	Identifies staff member's email		
FK	store_id	SMALLINT	Identifying unique value of Rockbuster store	store	
	active	BOOLEAN	Identifies if staff member is still active employee through true or false		
	username	CHARACTER VARYING(16)	Identifies staff member's username		
	password	CHARACTER VARYING(40)	Identifies staff member's password		
	last_udpate	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		
	picture	BYTEA	Identifies staff member by photo		

Dimension Table

actor					
Key	Columns	Data Type	Description	Link To	Link From
PK	actor_id	SERIAL	Identifying unique value of movie actor		actor
	first_name	CHARACTER VARYING(45)	Identifies first name of actor		
	last_name	CHARACTER VARYING(45)	Identifies last name of actor		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

category					
Key	Columns	Data Type	Description	Link To	Link From
PK	category_id	SERIAL	Identifying unique value of category genre		film_category
	name	CHARACTER VARYING(25)	Identifies category genre name		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Dimension Table

film					
Key	Columns	Data Type	Description	Link To	Link From
PK	film_id	SERIAL	Identifying unique value of film		film_actor inventory film_category
	title	CHARACTER VARYING(255)	Identifies the film title		
	description	TEXT	Provides brief description of film premise		
	release_year	year	Identifies the year film was released		
FK	language_id	SMALLINT	Identifying unique value of film language	language	
	rental_duration	SMALLINT	Identifies the length of time for rental		
	rental_rate	NUMERIC(4,2)	Identifies the rental price		
	length	SMALLINT	Identifies the runtime of a film		
	replacement_cost	NUMERIC(5,2)	Identifies cost to replace film inventory		
	rating	mpaa_rating	Identifies the film rating for view age		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		
	special_features	TEXT	Identifies additional features within film		
	fulltext	TSVECTOR	Identifies text of the film		

Dimension Table

address					
Key	Columns	Data Type	Description	Link To	Link From
PK	address_id	SERIAL	Identifying unique value of store address		customer staff store
	address	CHARACTER VARYING(50)	Identifies Rockbuster store address		
	address2	CHARACTER VARYING(50)	Identifies secondary store address		
	district	CHARACTER VARYING(20)	Identifies store district location		
FK	city_id	SMALLINT	Identifying unique value of city	city	
	postal_code	CHARACTER VARYING(10)	Identifies postal code of store		
	phone	CHARACTER VARYING(20)	Identifies phone number of store		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Dimension Table

city					
Key	Columns	Data Type	Description	Link To	Link From
PK	city_id	SERIAL	Identifying unique value of city		address
	city	CHARACTER VARYING(50)	Identifies city within a country		
FK	country_id	SMALLINT	Identifying unique value of country	country	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

country					
Key	Columns	Data Type	Description	Link To	Link From
PK	country_id	SERIAL	Identifying unique value of country		city
	country	CHARACTER VARYING(50)	Identifies country name		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Dimension Table

language					
Key	Columns	Data Type	Description	Link To	Link From
PK	language_id	SERIAL	Identifying unique value of language		film
	name	CHARACTER VARYING(50)	Identifies specific language of film		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Identifying last update to table		

Appendix

PK	Primary Key
FK	Foreign Key