Rockbuster Stealth
Data Dictionary

Tamer Nas

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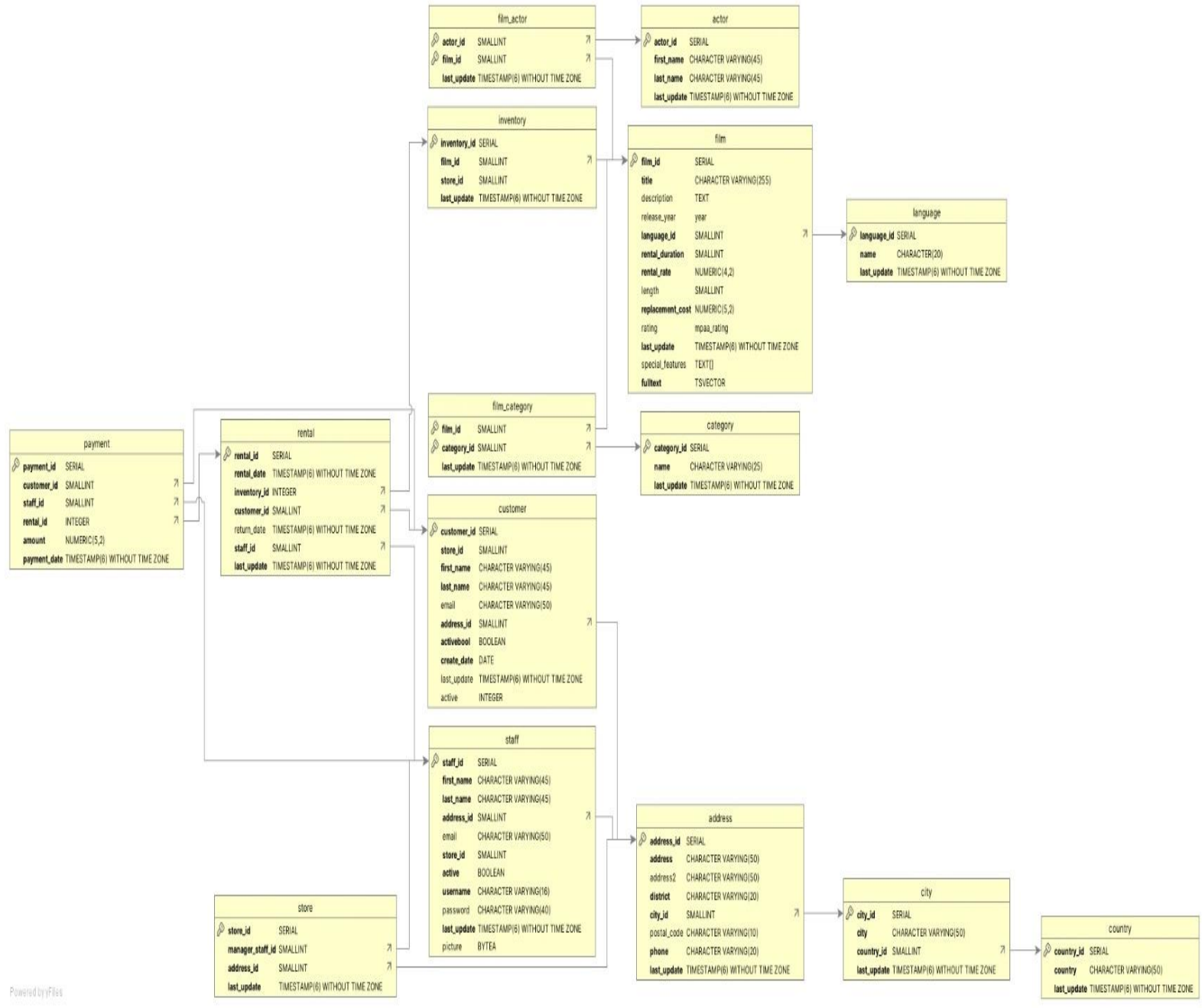
film_actor
actor_id SMALLINT
film_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
actor
actor_id SERIAL
first_name CHARACTER VARYING(45)
last_name CHARACTER VARYING(45)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
inventory
inventory_id SERIAL
film_id SMALLINT
store_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
film
film_id SERIAL
title CHARACTER VARYING(255)
description TEXT
release_year year
language_id SMALLINT
rental_duration SMALLINT
rental_rate NUMERIC(4,2)
length SMALLINT
replacement_cost NUMERIC(5,2)
rating mpaa_rating
last_update TIMESTAMP(6) WITHOUT TIME ZONE
special_features TEXT[]
fulltext TSVECTOR
language
language_id SERIAL
name CHARACTER(20)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
film_category
film_id SMALLINT
category_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
category
category_id SERIAL
name CHARACTER VARYING(25)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
payment
payment_id SERIAL
customer_id SMALLINT
staff_id SMALLINT
rental_id INTEGER
amount NUMERIC(5,2)
payment_date TIMESTAMP(6) WITHOUT TIME ZONE
rental
rental_id SERIAL
rental_date TIMESTAMP(6) WITHOUT TIME ZONE
inventory_id INTEGER
customer_id SMALLINT
return_date TIMESTAMP(6) WITHOUT TIME ZONE
staff_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
customer
customer_id SERIAL
store_id SMALLINT
first_name CHARACTER VARYING(45)
last_name CHARACTER VARYING(45)
email CHARACTER VARYING(50)
address_id SMALLINT
activebool BOOLEAN
create_date DATE
last_update TIMESTAMP(6) WITHOUT TIME ZONE
active INTEGER
staff
staff_id SERIAL
first_name CHARACTER VARYING(45)
last_name CHARACTER VARYING(45)
address_id SMALLINT
email CHARACTER VARYING(50)
store_id SMALLINT
active BOOLEAN
username CHARACTER VARYING(16)
password CHARACTER VARYING(40)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
picture BYTEA
address
address_id SERIAL
address CHARACTER VARYING(50)
address2 CHARACTER VARYING(50)
district CHARACTER VARYING(20)
city_id SMALLINT
postal_code CHARACTER VARYING(10)
phone CHARACTER VARYING(20)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
city
city_id SERIAL
city CHARACTER VARYING(50)
country_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
country
country_id SERIAL
country CHARACTER VARYING(50)
last_update TIMESTAMP(6) WITHOUT TIME ZONE
store
store_id SERIAL
manager_staff_id SMALLINT
address_id SMALLINT
last_update TIMESTAMP(6) WITHOUT TIME ZONE
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2. Tables

2.1 Fact Tables

Payment

Column	Data Type	Description	Column linked to	Column linked from
payment_id	SERIAL	unique identifier of payment transaction		
customer_id	SMALLINT	unique identifier of customer	customer. customer_id	rental. customer_id
staff_id	SMALLINT	unique identifier of staff who handled the transaction	staff.staff_id	rental.staff_id
rental_id	INTEGER	unique identifier of rental sale	rental.rental_id	
amount	NUMERIC(5,2)	total amount of sale		
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time payment was received/confirmed		

Rental

Column	Data Type	Description	Column linkedto	Column linked from
rental_id	SERIAL	unique identifier of rental sale		payment.rental_id
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time unit was rented out		
inventory_id	INTEGER	unique inventory identifier for rental unit	inventory. inventory_id	
customer_id	SMALLINT	unique identifier of customer	customer. customer_id	payment. customer_id
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date and time unit was returned		
staff_id	SMALLINT	unique identifier for staff who handled the transaction	staff.staff_id	payment. staff_id

2.2 Dimension Tables

Film_actor

Column	Data Type	Description	Column linkedto	Column linked from
actor_id	SMALLINT	unique identifier of actor	actor.actor_id	
film_id	SMALLINT	unique identifier of film	film.film_id	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Inventory

Column	Data Type	Description	Column linkedto	Column linked from
inventory_id	SERIAL	unique identifier of inventory item	rental. inventory_id	
film_id	SMALLINT	unique identifier of film	film.film_id	
store_id	SMALLINT	unique store identifier	store.store_id	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Film_category

Column	Data Type	Description	Column linkedto	Column linked from
film_id	SMALLINT	unique film identifier	film.film_id	
category_id	SMALLINT	unique identifier of a film category	category. category_id	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Customer

Column	Data Type	Description	Column linkedto	Column linked from
customer_id	SERIAL	unique identifier of customer	rental. cusomer_id payment. customer_id	
store_id	SMALLINT	unique store identifier		
first_name	CHARACTER VARYING(45)	customer first name		
last_name	CHARACTER VARYING(45)	customer last name		
email	CHARACTER VARYING(50)	customer email address		
address_id	SMALLINT	unique identifier for customer address		address. address_id
activebool	BOOLEAN	active or not(true/false)		
create_date	DATE	date customer was added		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		
active	INTEGER	active or not (binary)		

Staff

Column	Data Type	Description	Column linkedto	Column linked from
staff_id	SERIAL	unique identifier of staff		
first_name	CHARACTER VARYING(45)	staff first name		
last_name	CHARACTER VARYING(45)	staff last name		
address_id	SMALLINT	unique identifier for staff address	address. address_id	
email	CHARACTER VARYING(50)	staff email address		
store_id	SMALLINT	unique store identifier	store.store_id	
active	BOOLEAN	active or not(true/false)	rental.staff_id, payment. staff_id	
username	CHARACTER VARYING(50)	staff username		
password	CHARACTER VARYING(40)	staff password		
last_update	TIMESTAMP(6) WITHOUT TIME ZOND	date and time of last record update		
picture	BYTEA	staff photo		

Actor

Column	Data Type	Description	Column linkedto	Column linked from
actor_id	SERIAL	unique identifier of actor	film_actor. actor_id	
first_name	CHARACTER VARYING(45)	actor first name		
last_name	CHARACTER VARYING(45)	actor last name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Film

Column	Data Type	Description	Column linkedto	Column linked from
film_id	SERIAL	unique identifier of film	film_category. film_id, film_actor. film_id, inventory.film_id	
title	CHARACTER VARYING(255)	title name of film		
description	TEXT	description of film		
release_year	year	year film was released		
language__id	SMALLINT	unique identifier of language	language. language_id	
rental_duration	SMALLINT	number of days film was rented		
rental_rate	NUMERIC(4,2)	cost of rental per day		
length	SMALLINT	film length (minutes)		
replacement_cost	NUMERIC(5,2)	cost to replacementthe film		
rating	mpaa_rating	which age groups can view the film (G,PG, PG-13, ect)		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		
special_features	TEXT[]	special features of the film		
fulltext	TVSECTOR	text of the film		

Category

Column	Data Type	Description	Column linkedto	Column linked from
category_id	SERIAL	unique identifier of category	film_category. category_id	
name	CHARACTER VARYING(25)	category name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Language

Column	Data Type	Description	Column linkedto	Column linked from
language_id	SERIAL	unique identifier of language	film.language_id	
name	CHARACTER(20)	language name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Address

Column	Data Type	Description	Column linkedto	Column linked from
address_id	SERIAL	unique identifier for address	staff.address_id, store. address_id	
address	CHARACTER VARYING(50)	address details		
address2	CHARACTER VARYING(50)	additional address details		
district	CHARACTER VARYING(20)	name of the district		
city_id	SMALLINT	unique identifier of acity	city.city_id	
postal_code	CHARACTER VARYING(10)	postal code details		
phone	CHARACTER VARYING(20)	phone number details		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

City

Column	Data Type	Description	Column linkedto	Column linked from
city_id	SERIAL	unique identifier of city	address.city_id	
city	CHARACTER VARYING(50)	city name		
country_id	SMALLINT	unique identifier of city	country. country_id	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		

Country

Column	Data Type	Description	Column linkedto	Column linked from
country_id	SMALLINT	unique identifier of city	city.country_id	
country	CHARACTER VARYING(50)	country name		
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date and time of last record update		