ROCKBUSTER STEALTH

DATA DICTONARY

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Contents

1. Entity Relationship Diagram (ERD)
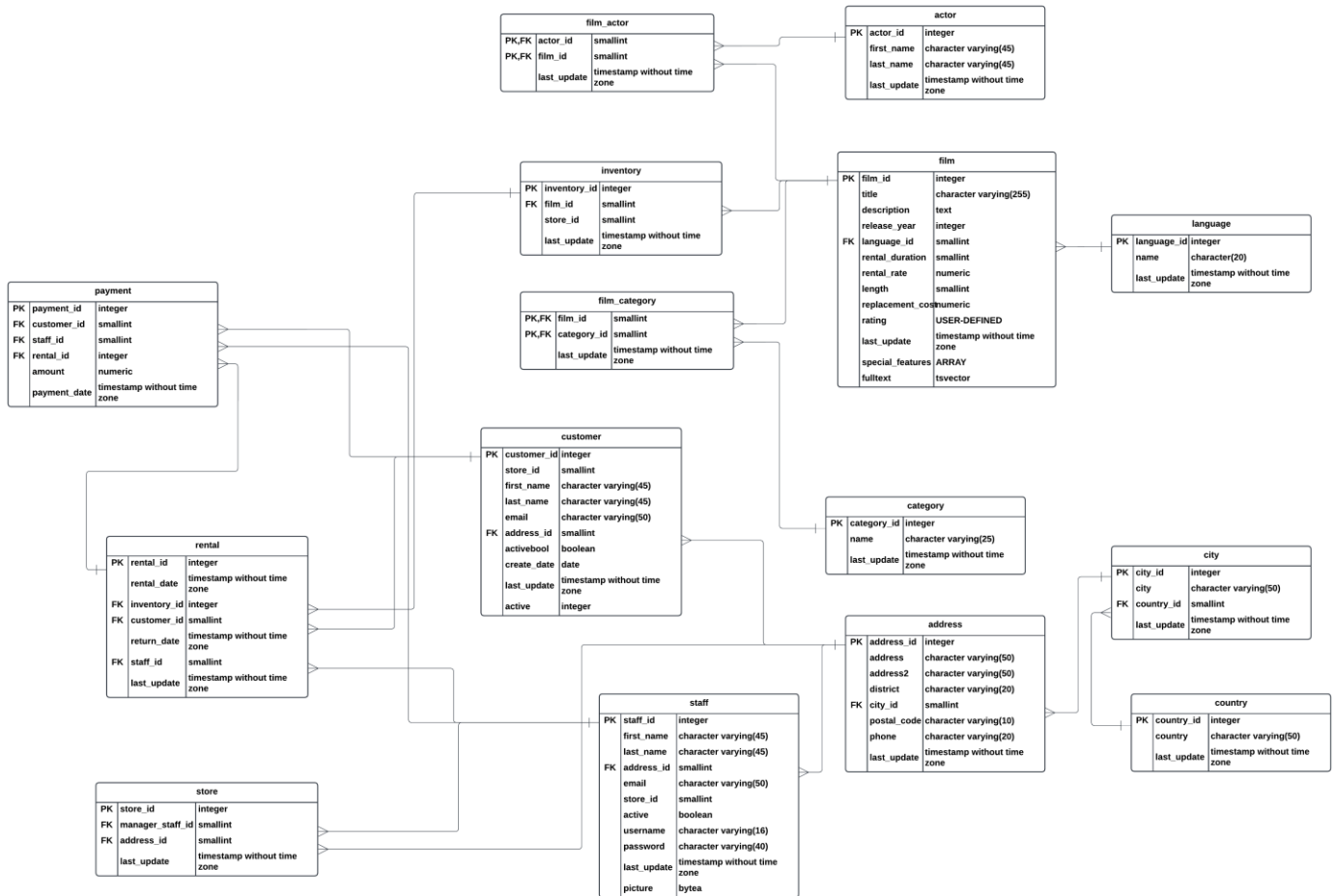
This is a Snowflake schema because it has sub dimensions connected to the dimensions.

2. Fact Tables

2.1 Payment table

Column	Data Type	Description
payment_id	serial	unique identifier of payment transaction
customer_id	smallint	unique identifier of customer
staff_id	smallint	unique identifier of staff who handled the transaction
rental_id	integer	unique identifier of rental sale
amount	numeric (5,2)	total amount of sale
payment_date	timestamp (6) without time zone	date and time payment was received or confirmed

2.2 Rental table

Column	Data Type	Description
rental_id	serial	unique identifier of rental sale
rental_date	timestamp (6) without time zone	date and time unit was rented out
inventory_id	integer	unique inventory identifier for rental unit
customer_id	smallint	unique identifier of customer
return_date	timestamp (6) without time zone	date and time unit was returned
staff_id	smallint	unique identifier for staff who handled the transaction

3. Dimension Tables

3.1 Store table

Column	Data Type	Description
store_id	serial	Unique identifier for individual store
manager_staff_id	smallint	Unique identifier for store manager
address_id	smallint	Unique identifier for store location
last_update	timestamp w/out time zone	Last time/date transaction was updated

3.2 Film_actor table

Column	Data Type	Description
actor_id	smallint	unique identifier of actor
film_id	smallint	unique identifier of film
last_update	timestamp (6) without time zone	date and time of last record update

3.3 Inventory table

Column	Data Type	Description
inventory_id	serial	unique identifier of inventory item
film_id	smallint	unique identifier of film
store_id	smallint	unique store identifier
last_update	timestamp (6) without time zone	date and time of last record update

3.4 Film_category table

Column	Data Type	Description
film_id	smallint	unique film identifier
category_id	smallint	unique identifier of a film category
last_update	timestamp (6) without time zone	date and time of last record update

3.5 Customer table

Column	Data Type	Description
customer_id	serial	unique identifier of customer
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
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)

3.6 Staff table

Column	Data Type	Description
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
email	character varying (50)	staff email address
store_id	smallint	unique store identifier
active	boolean	active or not (true/false)
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

3.7 Actor table

Column	Data Type	Description
actor_id	serial	unique identifier of actor
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 |

3.8 Film table

Column	Data Type	Description
film_id	serial	unique identifier of film
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
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 replacement the film
rating	mpaa_rating	which age groups can view the film
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

3.9 Category table

Column	Data Type	Description
category_id	serial	unique identifier of category
name	character varying (25)	category name
last_update	timestamp (6) without time zone	date and time of last record update

3.10 Language table

Column	Data Type	Description
language_id	serial	unique identifier of language
name	character (20)	language name
last_update	timestamp (6) without time zone	date and time of last record update

3.11 Address table

Column	Data Type	Description
address_id	serial	unique identifier for address
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 a city
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

3.12 City table

Column	Data Type	Description
city_id	serial	unique identifier of city
city	character varying (50)	city name
country_id	smallint	unique identifier of city
last_update	timestamp (6) without time zone	date and time of last record update

3.13 Country table

Column	Data Type	Description
country_id	smallint	unique identifier of city
country	character varying (50)	country name
last_update	timestamp (6) without time zone	date and time of last record update