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# ROCKBUSTER STEALTH DATA DICTIONARY

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EXERCISE - 3.7



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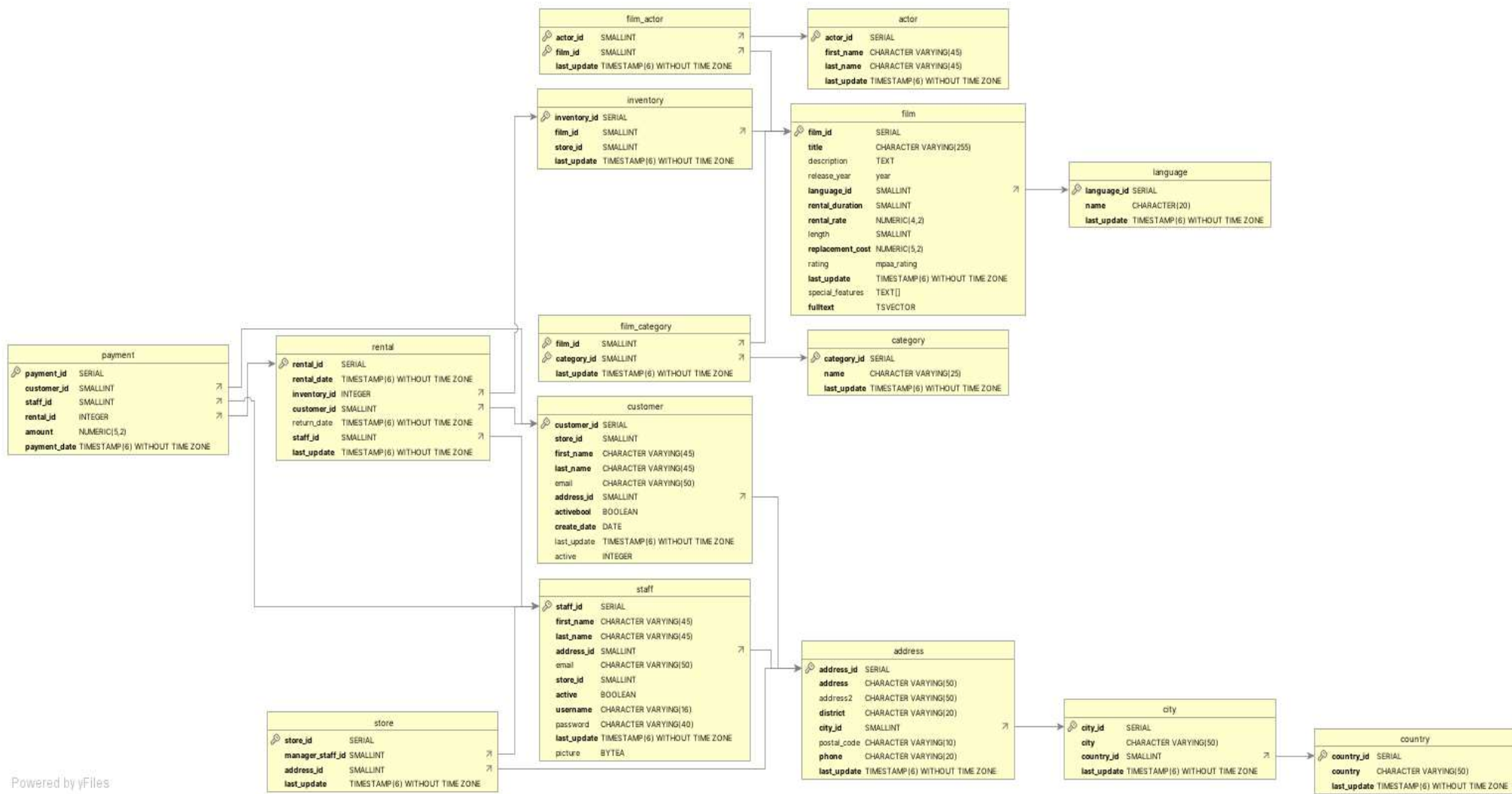
# Introduction to Rockbuster Stealth Data Dictionary

The Rockbuster Stealth Data Dictionary provides a comprehensive guide to the structure, organization, and relationships of the data within the Rockbuster Stealth database. This document is essential for understanding how data is stored, linked, and utilized across various tables, ensuring consistency and accuracy in data analysis and reporting.

## **Purpose and Scope**

The primary purpose of this data dictionary is to serve as a reference for data analysts, developers, and other stakeholders involved in the Rockbuster Stealth project. It details the entities, attributes, and relationships within the database, facilitating efficient data management and analysis. This dictionary encompasses all fact and dimension tables relevant to Rockbuster Stealth's operations, including customer information, film details, payment transactions, and geographical data.

# Entity Relationship Diagram (ERD)



## Fact Tables:

### ❖ Payment

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/confirmed

### ❖ rental

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

## Dimension Tables:

### ❖ Film\_actor

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

### ❖ Inventory

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

### ❖ Film\_category

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

## ❖ Customer

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)

## ❖ Staff

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 ZONE	date and time of last record update

picture	BYTEA	staff photo
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## ❖ Actor

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

## ❖ Film

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 (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
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

## ❖ Language

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

## ❖ Address

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

## ❖ City

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

## ❖ Country

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