

VERSION 1.0

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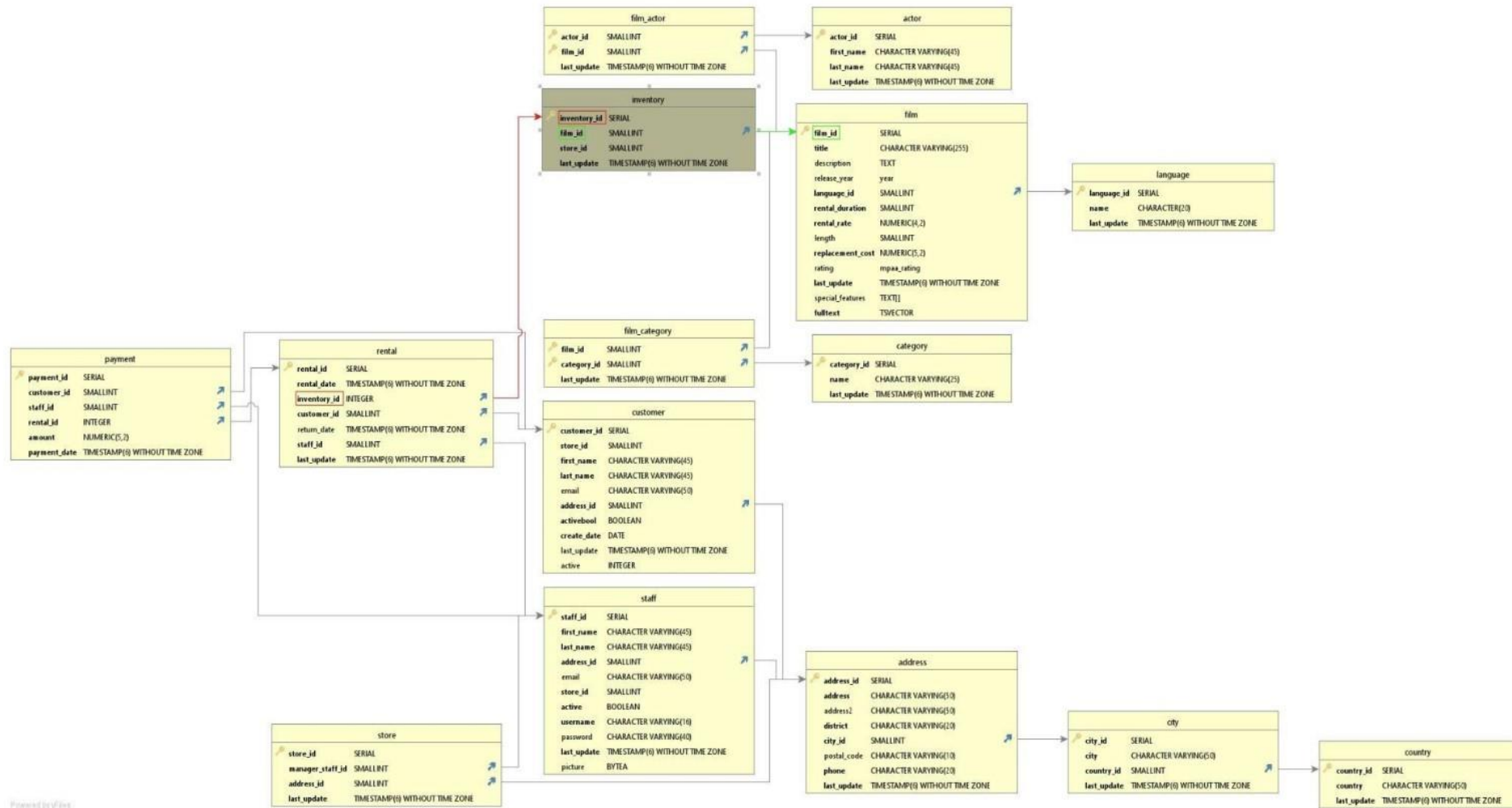
ROCKBUSTER STEALTH

DATA DICTIONARY

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Entity Relationship Diagram



Fact Tables

2.1 Rental

Columns	Data type	Description
rental_id (PK)	SERIAL	rental id number
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	payment date (yyyy-mm-dd) without time zone
inventory_id (FK inventory table)	INTEGER	inventory id number
customer_id (FK customer table)	SMALLINT	customer id number
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	return date (yyyy-mm-dd) without time zone
staff_id (FK staff table)	SMALLINT	staff id number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update (yyyy-mm-dd) without time zone
<i>Linked with: payment, inventory, store, customer</i>		

3.2 Payment

Columns	Data type	Description
payment_id (PK)	SERIAL	payment id number
customer_id (FK customer table)	SMALLINT	customer id number
staff_id (FK staff table)	SMALLINT	staff id number
rental_id (FK rental table)	INTEGER	rental id number
amount	NUMERIC (5,2)	the amount paid in currency
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	payment date (yyyy-mm-dd) without time zone
<i>Linked with: rental, customer, staff</i>		

Dimension Tables

3.1 Customer

Columns	Data type	Description
customer_id (PK)	SERIAL	customer id number
store_id (FK to store table)	SMALLINT	store id number
first_name	CHARACTER VARYING (45)	first name
last_name	CHARACTER VARYING (45)	last name
email	CHARACTER VARYING (50)	email address
address_id (FK to address table)	SMALLINT	address id number
activebool	BOOLEAN	active bool, can be true or false
create_date	DATE	create date (yyyy-mm-dd) without time zone
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
active	INTEGER	active status
Linked with: staff, rental, address		

3.2 Staff

Columns	Data type	Description
staff_id (PK)	SERIAL	staff id number
first_name	CHARACTER VARYING (45)	first name
last_name	CHARACTER VARYING (45)	last name
address_id (FK to address table)	SMALLINT	address id number
email	CHARACTER VARYING (50)	email address
store_id (FK to store table)	SMALLINT	store id number
active	BOOLEAN	active status, can be true or false
username	CHARACTER VARYING (16)	username
password	CHARACTER VARYING (40)	password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
picture	BYTEA	staff picture
Linked with: payment, address		

3.3 Store

Columns	Data type	Description
store_id (PK)	SERIAL	store id number
manager_staff_id	SMALLINT	manager staff id number
address_id (FK to address table)	SMALLINT	address id number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
<i>Linked with: address, staff</i>		

3.4 Address

Columns	Data type	Description
address_id (PK)	SERIAL	address id number
address	CHARACTER VARYING (50)	address
address 2	CHARACTER VARYING (50)	second address
district	CHARACTER VARYING (20)	district
city_id (FK to city table)	SMALLINT	city id number
postal_code	CHARACTER VARYING (10)	postal code
phone	CHARACTER VARYING (20)	phone number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: customer,city,store)		

3.5 City

Columns	Data type	Description
city_id (PK)	SERIAL	city id number
city	CHARACTER VARYING (50)	city
country_id (FK to country table)	SMALLINT	country id number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: address		

3.6 Country

Columns	Data type	Description
country_id (PK)	SERIAL	country id number
country	CHARACTER VARYING (50)	country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: city		

3.7 Film_category

Columns	Data type	Description
film_id (PK)	SMALLINT	film id number
category_id (PK)	SMALLINT	category id number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: category, film		

3.8 Category

Columns	Data type	Description
category_id (PK)	SERIAL	category id number
name	CHARACTER VARYING (25)	name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: film_category		

3.9 Inventory

Columns	Data type	Description
inventory_id (PK)	SERIAL	inventory id number
film_id (FK to film table)	SMALLINT	film id number
store_id (FK to store table)	SMALLINT	store id number
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
<i>Linked with film, rental</i>		

3.10 Film

Columns	Data type	Description
film_id (PK)	SERIAL	film id number
title	CHARACTER VARYING (225)	film title
description	TEXT	film description
release_year	YEAR	release year of the movie
language_id	SMALLINT	language id number
rental_duration	SMALLINT	rental duration
rental_rate	NUMERIC(4,2)	the rate amount paid in currency
length	SMALLINT	length of the rental
replacement_cost	NUMERIC(5,2)	replacement cost in currency
rating	mpaa_rating	mpaa rating of the movie
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
special_features	TEXT []	special features included in the rental
fulltext	TSVECTOR	text
Linked with: inventory, film_actor, film_category, language		

3.11 Film_actor

Columns	Data type	Description
actor_id (PK)	SMALLINT	actor id number
film_id (FK to film table)	SMALLINT	name of the language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: film, actor		

3.12 Actor

Columns	Data type	Description
actor_id (PK)	SERIAL	actor id number
first_name	CHARACTER VARYING (45)	actor first name
last_name	CHARACTER VARYING (45)	actor last name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
Linked with: film_actor		

3.13 Language

Columns	Data type	Description
language_id (PK)	SERIAL	language id number
name	CHARACTER (20)	name of the language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	last update date (yyyy-mm-dd) without time zone
<i>Linked with: film</i>		