

Rockbuster Stealth LLC

Data Dictionary

Table of contents

1. Entity Relationship Diagram (ERD)

2. Legend

3. Fact tables:

3.1 rental

3.2 payment

4. Dimension tables:

4.1 actor

4.2 film

4.3 store

4.4 language

4.5 film_category

4.6 customer

4.7 staff

4.8 film_actor

4.9 inventory

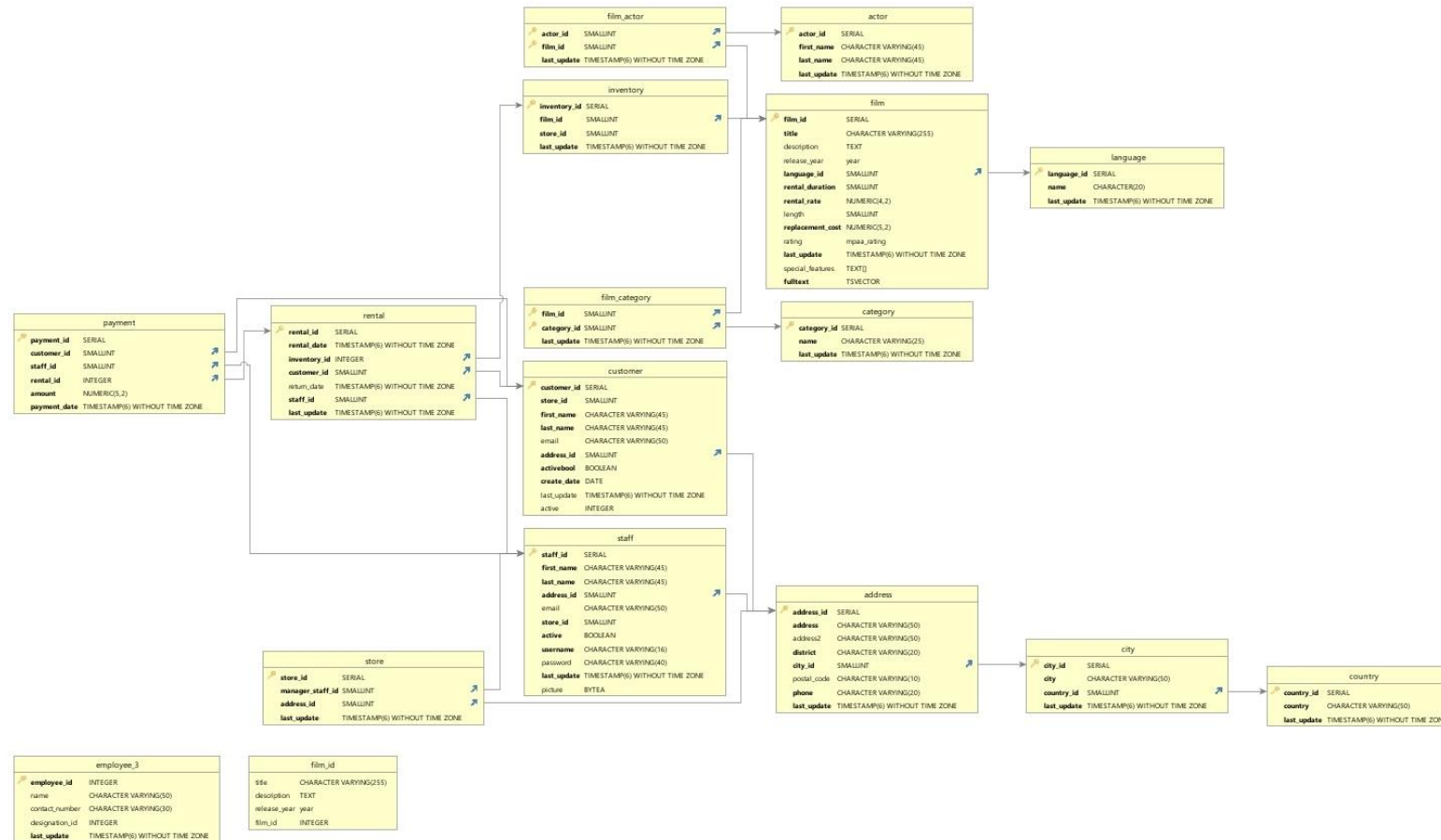
4.10 category

4.11 address



4.12 city

4.13 country





Entity Relationship Diagram (ERD)







Legend

Symbol	Name	Description
	Primary Key	Column that acts as a unique identify for records in a table
	Foreign Key	Column, or set of columns, that refers to the primary key in another table


rental – Fact Table

Primary Key	Links From	Columns	Data Type	Description	Foreign Key	Links to
	payment_id	rental_id	SERIAL	number assigned to rental		
		rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date rental occurred		
		inventory_id	INTEGER	number assigned to inventory		inventory
		customer_id	SMALLINT	number assigned to customer		customer
		return_date	TIMESTAMP(6) WITHOUT TIME ZONE	date return occurred		
		staff_id	SMALLINT	number assigned to staff		staff
		last_update	TIMESTAMP(6) WITHOUT TIMEZONE	date last update occurred		



payment – Fact Table

Primary Key	Links From	Columns	Data Type	Description	Foreign Key	Links to
		payment_id	SERIAL	Number assigned to payment		
		customer_id	SMALLINT	Number assigned to customer		customer
		staff_id	SMALLINT	Number assigned to staff		staff
		rental_id	INTEGER	Number assigned to rental		rental
		amount	NUMERIC(5,2)	Amount of payment		
		payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date payment occurred		




actor – Dimension Table

Primary Key	Links From	Columns	Data Type	Description	Foreign Key	Links to
	film_actor	actor_id	SERIAL	number assigned to actor		
		first_name	CHARACTER VARYING(45)	actor's first name		
		last_name	CHARACTER VARYING(45)	actor's last name		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		


film – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	film_actor, film_category, inventory	film_id	SERIAL	number assigned to film		
		title	CHARACTER VARYING (255)	title of film		
		description	TEXT	description of film		
		release_year	year	year film released		
		language_id	SMALLINT	number assigned to language		language
		rental_duration	SMALLINT	length of rental		
		rental_rate	NUMERIC(4,2)	price of rental		
		length	SMALLINT	length of film		
		replacement_cost	NUMERIC(5,2)	cost to replace film		
		rating	mpaa_rating	mpaa rating		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		
		special_features	TEXT]	if film has special features		
		fulltext	TSVECTOR	dialogue of film		





store – Dimension Table

Primary Key	Links From	Columns	Data Type	Description	Foreign Key	Links to
		store_id	SERIAL	number assigned to store		
		manager_staff_id	SMALLINT	number assigned to manager		staff
		address_id	SMALLINT	number assigned to store's address		address
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		



language – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	film	language_id	SERIAL	number assigned to language		
		name	CHARACTER(20)	name of language		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		



film_category – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
		film_id	SMALLINT	number assigned to film		film
		category_id	SMALLINT	number assigned to category		category
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		





customer – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	rental, payment,	customer_id	SERIAL	number assigned to customer		
		store_id	SMALLINT	number assigned to store		
		first_name	CHARACTER VARYING(45)	customer's first name		
		last_name	CHARACTER VARYING(45)	customer's last name		
		email	CHARACTER VARYING(50)	customer's email		
		address_id	SMALLINT	customer's address		Address
		activebool	BOOLEAN	if customer interacts		
		create_date	DATE	date customer was created		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		
		active	INTEGER	rank perhaps of interaction		



staff – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	payment	staff_id	SERIAL	number assigned to staff		
		first_name	CHARACTER VARYING(45)	staff's first name		
		last_name	CHARACTER VARYING(45)	staff's last name		
		address_id	SMALLINT	staff's address		address
		email	CHARACTER VARYING(50)	staff's email		
		store_id	SMALLINT	number assigned to store		
		active	BOOLEAN	if staff is active		
		username	CHARACTER VARYING(16)	staff's created username		
		password	CHARACTER VARYING(40)	staff's created password		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		
		picture	BYTEA	staff's photo		


film_actor – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
		actor_id	SMALLINT	number assigned to actor		actor
		film_id	SMALLINT	number assigned to film		film
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		



inventory – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	rental	inventory_id	SERIAL	number assigned to inventory		
		film_id	SMALLINT	number assigned to film		film
		store_id	SMALLINT	number assigned to store		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		



category – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	film_category	category_id	SERIAL	number assigned to category		
		name	CHARACTER VARYING(25)	name of category		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		


address – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	store, staff, customer	address_id	SERIAL	number assigned to address		
		address	CHARACTER VARYING(50)	address		
		address2	CHARACTER VARYING(50)	line 2 of address		
		district	CHARACTER VARYING(20)	state/territory/ district		
		city_id	SMALLINT	number assigned to city		city
		postal_code	CHARACTER VARYING(10)	post/zip code		
		phone	CHARACTER VARYING(20)	phone number		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		

city – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	address	city_id	SERIAL	number assigned to city		
		city	CHARACTER VARYING(50)	name of city		
		country_id	SMALLINT	number assigned to country		country
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		

country – Dimension Table

Primary Key	Links from	Columns	Data Type	Description	Foreign Key	Links to
	city	country_id	SERIAL	number assigned to country		
		country	CHARACTER VARYING(50)	name of country		
		last_update	TIMESTAMP(6) WITHOUT TIME ZONE	date last update occurred		