Rockbuster Stealth LLC
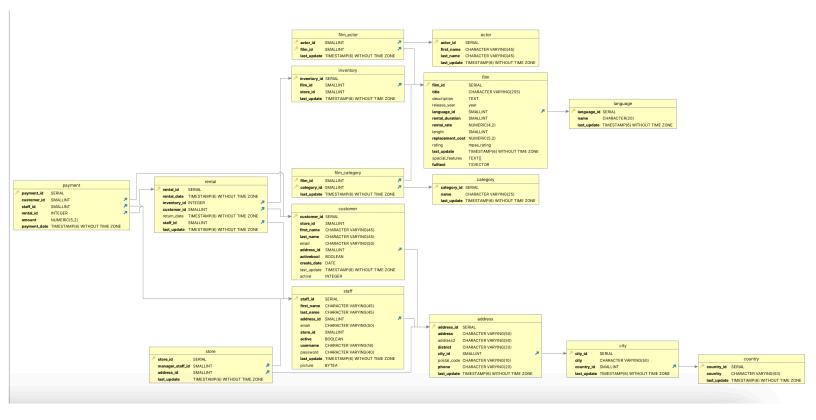
Data Dictionary

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1. Entity Relationship Diagram

2. Fact Tables

2.1 Payment Table

Columns

Unique Key	Column	Data type	Description
PK*	payment_id	Integer	Unique payment identifier
FK*	customer_id	Integer	Unique customer identifier
FK	staff_id	Integer	Unique staff identifier
FK	rental_id	Integer	Unique rental identifier
	amount	Integer	Total price in that payment

Unique Key	Column	Data type	Description
	payment_date	date	Date of payment generated

*PK: Primary key.

FK: Foreign key.

Links to

Table	Description
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table
Rental	Foreign key reference to rental table

2.2 Rental Table

Columns

Unique Key	Column	Data type	Description
PK	rental_id	integer	Unique rental identifier
	rental_date	date	Date of movie rented
FK	inventory_id	integer	Unique inventory identifier
FK	customer_id	integer	Unique custom identifier
	return_data	Date	Date of movie returned
FK	staff_id	integer	Unique staff identifier
	last_update	date	Date of last update

Links to

Table	Description
Inventory	Foreign key reference to inventory table
Customer	Foreign key reference to customer table
Staff	Foreign key reference to staff table

Links from

Table	Description
Payment	Primary key reference to payment table

3.   Dimension Tables

3.1 Actor Table

Unique Key	Column	Data type	Description
PK	actor_id	integer	Unique actor identifier
	first_name	character	First name of the actor
	last_name	character	Last name of the actor
	last_update	date	Date of last update

Links from

Table	Description
film_actor	Primary key reference to film_actor table

3.2 Film Table

Unique key	Column	Data type	Description
PK	film_id	integer	Unique of film identifier
	title	character	Title of the film
	description	text	Description of the film
	release_year	year	Year of the film released
FK	language_id	integer	Language identifier of the film
	rental_duration	integer	Duration of rental
	rental_rate	numeric	Rate of rental
	length	integer	Length of the film
	replacement_cost	numeric	Cost of movie replacement
	rating	string	Rating of film
	last_update	Date	Date of last update
	special_features	text	Special features of the film
	fulltext	string	Full text of the film

Links to

Table	Description
Language	Foreign key reference to film_actor table

Links from

Table	Description
film_actor	Primary key reference to film_actor table
inventory	Primary key reference to inventory table
film_category	Primary key reference to film_category table

3.3 Address Table

Unique key	Column	Data type	Description
PK	address_id	serial	Unique identifier of address
	address	varchar	First line of address
	address2	varchar	Second line of address
	district	varchar	District of address
FK	city_id	int2	Unique identifier of city
	postal_code	varchar	Postal code for address
	phone	varchar	Phone number for address
	last_update	timestamp	Date of last update

Links to

Table	Description
City	Foreign key reference to city table

Links from

Table	Description
Customer	Primary key reference to customer table
Staff	Primary key reference to staff table
Store	Primary key reference to store table

3.4 Category Table

Unique key	Column	Data type	Description
PK	category_id	serial	Unique identifier of category
	name	varchar	Name of category
	last_update	timestamp	Date of last update

Links from

Table	Description
Film_category	Primary key reference to film_category table

3.5 City Table

Unique key	Column	Data type	Description
PK	city_id	serial	Unique identifier of city
	city	varchar	Name of city
FK	country_id	int2	Unique identifier of country
	last_update	timestamp	Date of last update

Links to

Table	Description
Country	Foreign key reference to country table

Links from

Table	Description
Address	Primary key reference to address table

3.6 Country Table

Unique key	Column	Data type	Description
PK	country_id	serial	Unique identifier of country
	country	varchar	Name of country
	last_update	timestamp	Date of last update

Links from

Table	Description
City	Primary key reference to city table

3.7 Customer Table

Unique key	Column	Data type	Description
PK	customer_id	serial	Unique identifier of customer
FK	store_id	int2	Unique identifier of store
	first_name	varchar	First name of customer
	last_name	varchar	Last name of customer
	email	varchar	Email address of customer
FK	address_id	int2	Unique identifier of address
	activebool	bool	If customer is active
	create_date	date	Date customer profile was created
	last_update	timestamp	Date of last update
	active	int4	Active status represented by 0 or 1

Links to

Table	Description
Store	Foreign key reference to store table
Address	Foreign key reference to address table

Links from

Table	Description
Payment	Primary key reference to payment table
Rental	Primary key reference to rental table

3.8 Film_actor Table

Unique key	Column	Data type	Description
FK	actor_id	int2	Unique identifier of actor
FK	film_id	int2	Unique identifier of film
	last_update	timestamp	Date of last update

Links to

Table	Description
Actor	Foreign key reference to actor table
Film	Foreign key reference to film table

3.9 Film_category Table

Unique key	Column	Data type	Description
FK	film_id	int2	Unique identifier of film
FK	category_id	int2	Unique identifier of category
	last_update	timestamp	Date of last update

Links to

Table	Description
Category	Foreign key reference to category table
Film	Foreign key reference to film table

3.10 Inventory Table

Unique key	Column	Data type	Description
PK	inventory_id	serial	Unique identifier of inventory
FK	film_id	int2	Unique identifier of film
FK	store_id	int2	Unique identifier of store

Unique key	Column	Data type	Description
	last_update	timestamp	Date of last update

Links to

Table	Description
Film	Foreign key reference to film table
Store	Foreign key reference to store table

Links from

Table	Description
Rental	Primary key reference to rental table

3.11 Language Table

Unique key	Column	Data type	Description
PK	language_id	serial	Unique identifier of language
	name	bpchar	Name of language
	last_update	timestamp	Date of last update

Links from

Table	Description
Film	Primary key reference to film table

3.12 Staff Table

Unique key	Column	Data type	Description
PK	staff_id	serial	Unique identifier of staff
	first_name	varchar	First name of staff
	last_name	varchar	Last name of staff

Unique key	Column	Data type	Description
FK	address_id	int2	Unique identifier of address
	email	varchar	Email address of staff
FK	store_id	int2	Unique identifier of store
	active	bool	Status of current employment
	username	varchar	Staff member's username
	password	varchar	Staff member's password
	last_update	timestamp	Date of last update
	picture	bytea	Picture of staff member

Links to

Table	Description
Address	Foreign key reference to address table
Store	Foreign key reference to store table

Links from

Table	Description
Payment	Primary key reference to payment table
Rental	Primary key reference to rental table
Store	Primary key reference to store table

3.13 Store Table

Unique key	Column	Data type	Description
PK	store_id	serial	Unique identifier of store
FK	manager_staff_id	int2	Unique identifier of manager
FK	address_id	int2	Unique identifier of address
	last_update	timestamp	Date of last update

Links to

Table	Description
Staff	Foreign key reference to staff table
Address	Foreign key reference to addresstable

Links from

Table	Description
Inventory	Primary key reference to inventory table
Customer	Primary key reference to customer table
Staff	Primary key reference to staff table