ROCKBUSTER

STEALTH

Data Dictionary

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1. ENTITY RELATIONSHIP DIAGRAM (ERD)

2. Fact Tables

2.1. Payment Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	payment_id	SERIAL	Unique identifier for payment
Foreign Key	customer_id	SMALLINT	Unique identifier for customer
Foreign Key	staff_id	SMALLINT	Unique identifier for staff
Foreign Key	rental_id	INTEGER	Unique identifier for rental
	amount	NUMERIC(5,2)	Amount of payment
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when payment was made

Payment Table Links To:

TABLE	LINK
Customer	payment.customer_id = customer.customer_id
Staff	payment.staff_id = staff.staff_id
Rental	payment.rental_id = rental.rental_id

Payment Table Links From: N/A

2.2 Rental Table

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	rental_id	SERIAL	Unique identifier for rental
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when rental was made
Foreign Key	inventory_id	INTEGER	Unique identifier for inventory
Foreign Key	customer_id	SMALLINT	Unique identifier for customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when rental was returned
Foreign Key	staff_id	SMALLINT	Unique identifier for staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Rental Table Links To:

TABLE	LINK
Inventory	rental.inventory_id = inventory.inventory_id
Customer	rental.customer_id = customer.customer_id
Staff	rental.staff_id = staff.staff_id

Rental Table Links From:

TABLE	LINK
Payment	payment.rental_id = rental. rental _id

3. DIMENSIONS TABLES

3.1 ACTOR TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	actor_id	SERIAL	Unique identifier for store
	first_name	CHARACTER VARYING(45)	First name of the actor
	last_name	CHARACTER VARYING(45)	Last name of the actor
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Actor Table Links To: N/A

Actor Table Links From:

TABLE	LINK
Film Actor	film_actor.actor_id = actor.actor_id

3.2 FILM ACTOR TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key, Foreign Key	actor_id	SMALLINT	Unique identifier for actor
Primary Key, Foreign Key	film_id	SMALLINT	Unique identifier for film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Film Actor Table Links To:

TABLE	LINK
Actor	film_actor.actor_id = actor.actor_id
Film	film_actor.film_id = film.film_id

Film Actor Table Links From: N/A

3.3 CATEGORY TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	category_id	SERIAL	Unique identifier for categoty
	name	CHARACTER VARYING(25)	Name of category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Category Table Links To: N/A

Category Table Links From:

TABLE	LINK
Film Category	film_category.category_id = category.category_id

3.4 FILM TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	film_id	SERIAL	Unique identifier for film
	title	CHARACTER VARYING(25)	Title of film
	description	TEXT	Film description
	release_year	YEAR	Film release year
Foreign Key	language_id	SMALLINT	Unique identifier for language
	rental_duration	SMALLINT	Rental duration
	rental_rate	NUMERIC(4,2)	Rental rate of the film
	length	SMALLINT	The length of the film
	replacement_cost	NUMERIC(5,2)	The replacement cost of the film
	rating	MPAA_RATING	The rating of the film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated
	special_features	TEXT[]	Features of the film

	fulltext	TSVECTOR	Index type

Film Table Links To:

TABLE	LINK
Language	film.language_id = language. language _id

Film Table Links From:

TABLE	LINK
Film Actor	film_actor.film_id = film. film _id
Inventory	inventory.film_id = film. film _id
Film Category	film_category.film_id = film. film _id

3.5 FILM CATEGORY TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key, Foreign Key	film_id	SMALLINT	Unique identifier for film
Primary Key, Foreign Key	category_id	SMALLINT	Unique identifier for category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Film Category Table Links To:

TABLE	LINK
Film	film_category.film_id = film.film_id
Category	film_category.category_id = category.category_id

Film Category Table Links From: N/A

3.6 INVENTORY TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	inventory_id	SERIAL	Unique identifier for inventory
Foreign Key	film_id	SMALLINT	Unique identifier for film
Foreign Key	store_id	SMALLINT	Unique identifier for store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Inventory Table Links To:

TABLE	LINK
Film	inventory.film_id = film. film _id

Inventory Table Links From:

TABLE	LINK
Rental	rental. inventory _id = inventory. inventory _id

3.7 LANGUAGE TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	language_id	SERIAL	Unique identifier for language
	name	CHARACTER(20)	Name of language
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Language Table Links To: N/A

Language Table Links From:

TABLE	LINK
Film	film. language _id = language. language _id

3.8 CUSTOMER TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	customer_id	SERIAL	Unique identifier for customer
Foreign Key	store_id	SMALLINT	Unique identifier for store
	first_name	CHARACTER VARYING(45)	First name of the customer
	last_name	CHARACTER VARYING(45)	Last name of the customer
	email	CHARACTER VARYING(50)	Email of the customer
Foreign Key	address_id	SMALLINT	Unique identifier for address
	activebool	BOOLEAN	Active or not / yes or no
	create_date	DATE	Date when customer account first entered

	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated
	active	INTEGER	Active integer

Customer Table Links To:

TABLE	LINK
Address	customer. address _id = address. address _id

Customer Table Links From:

TABLE	LINK
Rental	rental. customer _id = customer. customer _id
Payment	payment. customer _id = customer. customer _id

3.9 STAFF TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	staff_id	SERIAL	Unique identifier for staff
	first_name	CHARACTER VARYING(45)	First name of the staff
	last_name	CHARACTER VARYING(45)	Last name of the staff
Foreign Key	address_id	SMALLINT	Unique identifier for address
	email	CHARACTER VARYING(50)	Email of staff
Foreign Key	store_id	SMALLINT	Unique identifier for store
	active	BOOLEAN	Active or not / yes or no
	username	CHARACTER VARYING(16)	Username of the staff
	password	CHARACTER VARYING(40)	Password of the staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated
	picture	BYTEA	Picture of staff

Staff Table Links To:

TABLE	LINK
Address	staff. address _id = address. address _id

Staff Table Links From:

TABLE	LINK
Store	store. manager_staff _id = staff. staff _id
Rental	rental. staff = staff. staff
Payment	payment. staff _id = staff. staff _id

3.10 STORE TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	store_id	SERIAL	Unique identifier for store
Foreign Key	manager_staff_id	SMALLINT	Unique identifier for manager staff
Foreign Key	address_id	SMALLINT	Unique identifier for address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Store Table Links To:

TABLE	LINK
Staff	store. manager_staff _id = staff. staff _id
Address	store. address _id = address. address _id

Store Table Links From: N/A

3.11 ADDRESS TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	address_id	SERIAL	Unique identifier for address
	address	CHARACTER VARYING(50)	Address value
	address2	CHARACTER VARYING(50)	Second address value
	district	CHARACTER VARYING(20)	District value
Foreign Key	city_id	SMALLINT	Unique identifier for city
	postal_code	CHARACTER VARYING(10)	Postal code value
	phone	CHARACTER VARYING(20)	Phone value
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Address Table Links To:

TABLE	LINK
City	address. city _id = city. city _id

Address Table Links From:

TABLE	LINK
Customer	customer. address _id = address. address _id
Staff	staff. address _id = address. address _id
Store	store. address _id = address. address _id

3.12 CITY TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	city_id	SERIAL	Unique identifier for city
	city	CHARACTER VARYING(50)	City name
Foreign Key	country_id	SMALLINT	Unique identifier for country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

City Table Links To:

TABLE	LINK
Country	city. country _id = country. country _id

City Table Links From:

TABLE	LINK
Address	address. city _id = city. city _id

3.13 COUNTRY TABLE

KEY	COLUMN	DATA TYPE	DESCRIPTION
Primary Key	country_id	SERIAL	Unique identifier for country
	country	CHARACTER VARYING(50)	Country name
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date of when data was last updated

Country Table Links To: N/A

Country Table Links From:

TABLE	LINK
City	city. country _id = country. country _id