Rockbuster Stealth Database

DATA DICTIONARY
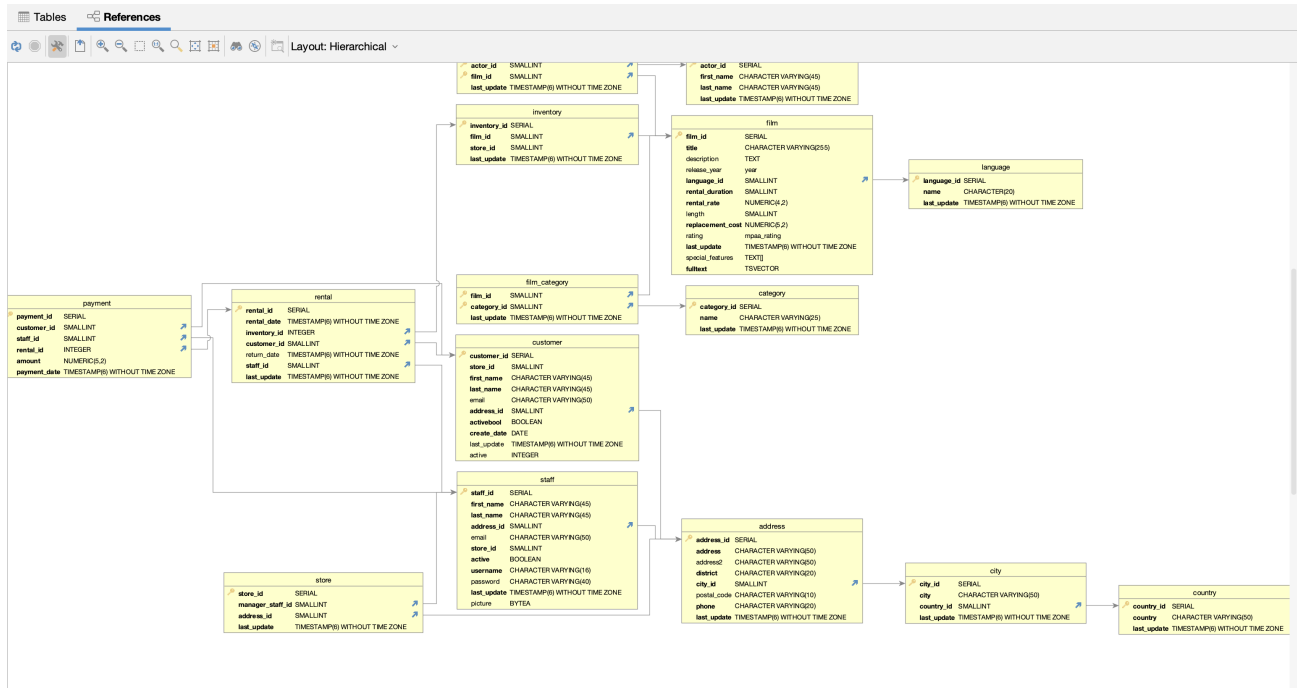

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1. ABOUT ROCKBUSTER STEALTH LLC

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive.

2. ENTITY RELATIONSHIP DIAGRAM

3. LEGEND

Primary Key

Foreign Key

4. KEY LEGEND

ALL ROCKBUSTER TABLES

Key	Columns	Data Type	Description	Links to table
Key	rental_id	SERIAL	The unique id assigned to each movie rental	Inventory, Customer, Staff
Key	inventory_id	SERIAL	The id assigned for record keeping	Film
Key	customer_id	SERIAL	Customer id to whom the movie was issued	Address
Key	staff_id	SERIAL	The id assigned to each staff	Address
Key	payment_id	SERIAL	The id assigned for record keeping	Customer, Staff, Rental
Key	store_id	SERIAL	The unique id assigned to each store	Staff, Address
Key	category_id	SMALLINT	The unique id assigned to each movie category	Film_category
Key	actor_id	SMALLINT	The unique id assigned to an actor	Film_actor, Actor
Key	film_id	SMALLINT	The unique id assigned to each movie	Film, Film_category, Film_actor, Inventory,
Key	actor_id	SERIAL	The unique id assigned to an actor	Film_actor, Actor
Key	film_id	SERIAL	The unique id assigned to each movie	Film, Film_category, Film_actor, Inventory,
Key	category_id	SERIAL	The unique id assigned to each movie category	Film_category
Key	address_id	SERIAL	Postal address of store	Staff, Store, Customer
Key	language_id	SERIAL	ID assigned to language(s) movie is available in	Film
Key	city_id	SERIAL	Id assigned to City	Address
Key	country_id	SERIAL	Country code	City

5. FACT TABLE:

5.1 TABLE : RENTAL

<div align="center">Rental</div>

Key	Columns	Data Type	Description	Link to
Primary Key	rental_id	SERIAL	The unique id assigned to each movie rental	Payment
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of when it was rented out	
Foreign Key	inventory_id	Integer	The id assigned for record keeping	Inventory
Foreign Key	customer_id	SMALLINT	Customer id to whom the movie was issued	Customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of return	
Foreign Key	staff_id	SMALLINT	The id assigned to each staff	Staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

5.2 TABLE: PAYMENT

<div align="center">Payment</div>

Key	Columns	Data Type	Description	Link to
Primary Key	payment_id	SERIAL	The id assigned for record keeping	
Foreign Key	customer_id	SMALLINT	Customer id to whom the movie was issued	Customer
Foreign Key	staff_id	SMALLINT	The unique id assigned to each store	Staff
Foreign Key	rental_id	INTEGER	The unique id assigned to each movie rental	Rental
	amount	NUMERIC(5,2)	The amount paid by customer	
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time of payment	

6. DIMENSION TABLE:

6.1 TABLE : INVENTORY

Inventory

Key	Columns	Data Type	Description	Link to
Primary Key	inventory_id	SERIAL	The id assigned for record keeping	Rental
	film_id	SMALLINT	The unique id assigned to each movie	Film
	store_id	SMALLINT	The unique id assigned to each store	Store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.2 TABLE : CUSTOMER

Customer

Key	Columns	Data Type	Description	Link to
Primary Key	customer_id	SERIAL	Customer id to whom the movie was issued	Payment, Rental
Foreign Key	store_id	SMALLINT	The unique id assigned to each store	Store
	first_name	CHARACTER VARYING(45)	First name of customer	
	last_name	CHARACTER VARYING(45)	Last name of customer	
	email	CHARACTER VARYING(50)	Email address of customer	
Foreign Key	address_id	SMALLINT	Postal address of customer	Address
	activebool	BOOLEAN	Status whether customer is active or not	
	create_date	DATE	Creation date	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
	active	INTEGER	Status of customer	

6.3 TABLE : STAFF

Staff

Key	Columns	Data Type	Description	Link to
Primary Key	staff_id	SERIAL	The id assigned to each staff	
	first_name	CHARACTER VARYING(45)	First name of staff	
	last_name	CHARACTER VARYING(45)	Last name of staff	
Foreign Key	address_id	SMALLINT	Postal address of staff	Address
	email	CHARACTER VARYING(50)	Email address of staff	
Foreign Key	store_id	SMALLINT	The unique id assigned to each store	Store
	active	BOOLEAN	Status whether customer is active or not	
	username	CHARACTER VARYING(16)	Username of staff	
	password	CHARACTER VARYING(40)	Password of staff	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
	picture	BYTEA	Picture of staff	

6.4 TABLE : STORE

Store

Key	Columns	Data Type	Description	Link to
Primary Key	store_id	SERIAL	The unique id assigned to each store	Customer, Inventory, Staff
	manager_staff_id	SMALLINT	ID of Manager	
Foreign Key	address_id	SMALLINT	Postal address of store	Address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.5 TABLE : FILM CATEGORY

Film Category

Key	Columns	Data Type	Description	Link to
Primary Key	film_id	SMALLINT	The unique id assigned to each movie	Film
Foreign Key	category_id	SMALLINT	The unique id assigned to each movie category	Category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.6 TABLE : FILM ACTOR

Film Actor

Key	Columns	Data Type	Description	Link to
Primary Key	actor_id	SMALLINT	The unique id assigned to an actor	Actor
Foreign Key	film_id	SMALLINT	The unique id assigned to each movie	Film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.7 TABLE : ACTOR

Actor

Key	Columns	Data Type	Description	Link to
Primary Key	actor_id	SERIAL	The unique id assigned to an actor	Film Actor
	first_name	CHARACTER VARYING(45)	First name of actor	
	last_name	CHARACTER VARYING(45)	Last name of actor	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.8 TABLE : FILM

Film

Key	Columns	Data Type	Description	Link to
Primary Key	film_id	SERIAL	The unique id assigned to each movie	Film Actor, Film Category, Inventory
	title	CHARACTER VARYING(255)	Title of the movie	
	description	TEXT	What is the movie about	
	release_year	year	Year of release	
Foreign Key	language_id	SMALLINT	ID assigned to language(s) movie is available in	Language
	rental_duration	SMALLINT	Length of time for which movie is on rent	
	rental_rate	NUMERIC(4,2)	Price of rent	
	length	SMALLINT	Duration of movie	
	replacement_cost	NUMERIC(5,2)	Cost of replacement in the case of loss or theft	
	rating	mpaa-rating	Movie rating	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
	special_features	TEXT[]	If there are any special features available (HD, subtitles etc)	
	fulltext	TSVECTOR	Key words	

6.9 TABLE : CATEGORY

Category

Key	Columns	Data Type	Description	Link to
Primary Key	category_id	SERIAL	The unique id assigned to each movie category	Film Category
	name	CHARACTER VARYING(25)	Name of category	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.10 TABLE : ADDRESS

Address

Key	Columns	Data Type	Description	Link to
Primary Key	address_id	SERIAL	Postal address of store	Customer, Staff, Store
	address	CHARACTER VARYING(50)	Postal address of store	
	address2	CHARACTER VARYING(50)	Postal address of store	
	district	CHARACTER VARYING(20)	Time of last updated status	
Foreign Key	city_id	SMALLINT	City	City
	postal_code	CHARACTER VARYING(10)	Postal Code	
	Phone	CHARACTER VARYING(20)	Phone number	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.11 TABLE : LANGUAGE

Language

Key	Columns	Data Type	Description	Link to
Primary Key	language_id	SERIAL	ID assigned to language(s) movie is available in	Film
	name	CHARACTER(20)	Name of language	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.12 TABLE : CITY

City

Key	Columns	Data Type	Description	Link to
Primary Key	city_id	SERIAL	Id assigned to City	Address
	name	CHARACTER VARYING(50)	Name of City	
Foreign Key	country_id	SMALLINT	Country code	Country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

6.13 TABLE : COUNTRY

Country

Key	Columns	Data Type	Description	Link to
Primary Key	country_id	SERIAL	Country code	City
	country	CHARACTER VARYING(50)	Name of Country	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	