ROCKBUSTER STEALTH

Data Dictionary
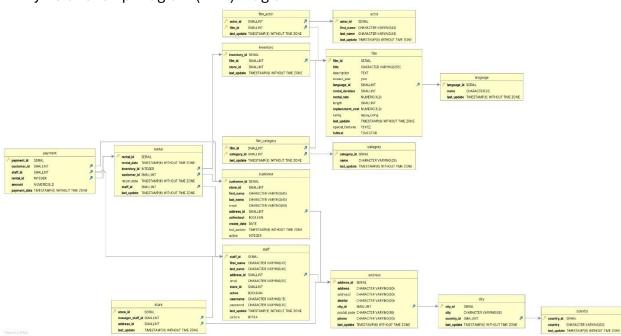
Dee Rosario

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LEGEND:

🔑 - Primary Key

🗝️ - Foreign Key

1. Entity Relationship Diagram (ERD) Diagram:

2. Fact Tables –

2a. Rental:

Rental		
Column	**Data Type**	**Description**
🔑 rental_id	serial	unique # used to identify item rental
rental_date	timestamp (6) without timezone	unique # of rental date
🔑 inventory_id	integer	unique # of item in warehouse
🔑 customer_id	smallint	unique # assigned to customer
return_date	timestamp (6) without time zone	date when movie was returned
🔑 staff_id	smallint	unique # of employee running transaction
last_update	timestamp (6) without time zone	when table was last updated

Links to:
Staff table via *staff_id*
Customer table via *customer_id*
Inventory table via *inventory_id*

Links from:
Payment table via *customer_id*

2b. Payment:

Payment		
Column	**Data Type**	**Description**
🔑 payment_id	serial	unique # given to transaction
🔑 customer_id	smallint	unique # assigned to customer
🔑 staff_id	smallint	unique # of employee running transaction
🔑 rental_id	integer	unique # used to identify item rental
Amount	numeric(5,2)	sum paid for rental
payment_date	timestamp (6) without time zone	date when sum was paid

Links to:
Rental table via *rental_id*
Staff table via *staff_id*
Customer table via *customer_id*

3. Dimension Tables:
3a. Film_actor -

film_actor		
Column	**Data Type**	**Description**
🔑 actor_id 🔑	smallint	unique # assigend to main actor in movie
🔑 film_id 🔑	smallint	unique # assigend to movie title
last_update	timestamp(6) without time zone	when table was last updated

Links to:
Actor table via *actor_id*
Film table via *film_id*

3b. Inventory –

Inventory		
Column	**Data Type**	**Description**
🔑 inventory_id	serial	unique # of item in warehouse
🔑 film_id	smallint	unique # assigend to movie title
store_id	smallint	unique # assigned to store location
last_update	timestamp(6) without time zone	when table was last updated

Links to:
Film table via *film_id*

Links from:
Rental table via *inventory_id*

3c. Film_category –

film_category		
Column	**Data Type**	**Description**
🔑 film_id 🔑	smallint	unique # assigend to movie title
🔑 category_id 🔑	smallint	unique type given to film title
last_update	timestamp(6) without time zone	when table was last updated

Links to:
Film table via *film_id*
Category table via *category_id*

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3d. Customer –

Customer		
Column	**Data Type**	**Description**
🔑 customer_id	serial	unique # assigned to customer
store_id	smallint	unique # assigned to store location
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
🔑 address_id	smallint	address of customer
Activebool	boolean	shows if customer is active
create_data	date	when was the file created
last_update	timestamp(6) without time zone	when table was last updated
Active	integer	yes/no if customer is active

Links to:
Address table via *address_id*

Links from:
Rental table via *customer_id*
Payment table via *customer_id*

3e. Staff –

Staff		
Column	**Data Type**	**Description**
🔑 staff_id	serial	unique # of employee running transaction
first_name	character varying(45)	first name of employee
last_name	character varying(45)	last name of employee
🔑 address_id	smallint	address of employee
Email	character varying(50)	email of employee
store_id	smallint	unique # assigned to store location
Active	boolean	yes/no if employee is active
Username	character varying(16)	unique name assigned to employee
Password	character varying(40)	unique wordset assigned to employee for entering system
last_update	timestamp (6) without time zone	when table was last updated
Picture	bytea	image of employee

Links to:
Address table via *address_id*

Links from:
Payment table via *staff_id*
Rental table via *staff_id*
Store table via *address_id*

3f. Store -

Store		
Column	**Data Type**	**Description**
🔑 store_id	serial	unique # assigned to store location
manager_staff_id	smallint	unique # assigned to manager of store
🔑 address_id	smallint	address of store
last_update	timestamp(6) without time zone	when table was last updated

Links to:
Staff table via *store_id*
Address table via *address_id*

3g. Actor –

Actor		
Column	**Data Type**	**Description**
🔑 actor_id	serial	unique # assigend to main actor in movie
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	when table was last updated

Links from**:**
Film_actor table via *actor_id*

3h. Film -

Film		
Column	**Data Type**	**Description**
🔑film_id	serial	unique # assigend to movie title
Title	character varying(225)	name of film
Description	text	details about film
release_year	year	year whn film was released
🔑language_id	smallint	which languages film is in
rental_duration	smallint	how long film was rented
rental_rate	numeric(4,2)	cost of rental
Length	smallint	how long time-wise film is
replacement_cost	numeric(5,2)	how much film would cost to replace
Rating	mpaa_rating	which rating was assigned to film by MPAA
last_update	timestamp(6) without time zone	
special_features	text	extra data on film title
Fulltext	tsvector	****

Links to:
Language table via *language_id*

Links from:
Inventory table via *film_id*
Film_actor table via *film_id*
Film_category table via *film_id*

3i. Category –

Category		
Column	**Data Type**	**Description**
🔑category_id	serial	unique type given to film title
Name	character varying(25)	name of film
last_update	timestamp(6) without time zone	when table was last updated

Links from:
Film_category table via *category_id*

3j. Address –

Address		
Column	**Data Type**	**Description**
🔑address_id	serial	address of customer
Address	character varying(50)	address of customer
address 2	character varying(50)	address of customer
District	character varying(20)	which area the customer live in
🔑city_id	smallint	unique # assigend to city of residence of customer
postal_code	character varying(10)	unique # assigned to postal code of customer residence
Phone	character varying(20)	telephone number of customer
last_update	timestamp(6) without time zone	when table was last updated

Links to:
City_id table via *city_id*

Links from:
Customer table via *address_id*
Staff table via *address_id*
Store table via *address_id*

3k. Language –

Language		
Column	**Data Type**	**Description**
🔑language_id	serial	which languages film is in
Name	character(20)	name of film
last_update	timestamp(6) without time zone	when table was last updated

Links from:
Film table via *language_id*

3l. City -

City		
Column	**Data Type**	**Description**
🔑city_id	serial	unique # assigend to city of residence of customer
City	character varying(50)	city wehre customer resides
🔑country_id	smallint	unique # assigned to country where city is found
last_update	timestamp(6) without time zone	when table was last updated

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Links to:
Country table via *country_id*

Links from:
Address table via *city_id*

3m. Country -

Country		
Column	**Data Type**	**Description**
🔑country_id	SERIAL	unique # assigned to country where city is found
country	character varying (50)	country where city is found
last_update	TIMESTAMP(6)w/o time zone	when table was last updated

Links from:
City table via *country_id*