Rockbuster Stealth: Data Dictionary
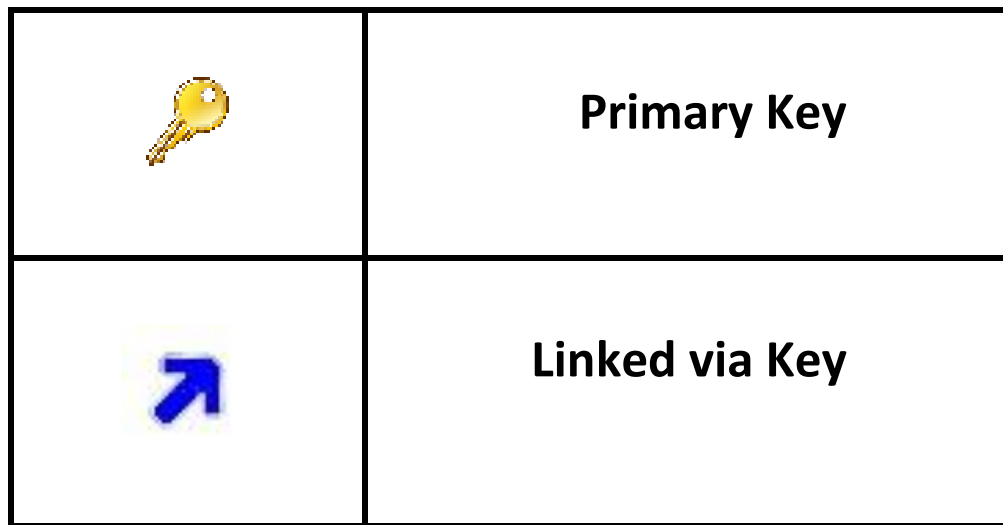## Prepared By: Rob Rowland
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1. Legend

	Primary Key
	Linked via Key

2. Entity Relationship Diagram

3. Fact Tables:

3.1 Payment		
Column	**Data Type**	**Description**
🔑 payment_id	SERIAL	Number assigned to payment
↗ customer_id	SMALLINT	Number assigned to customer
↗ staff_id	SMALLINT	Number assigned to staff member
↗ rental_id	INTEGER	Number assigned to rental
amount	NUMERIC(5,2)	Payment amount
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of payment
Linked To		
↗	Customer	payment.customer_id = customer.customer_id
↗	Staff	payment.staff_id = staff.staff_id
↗	Rental	payment.rental_id = rental.rental_id

3.2 Store		
Column	**Data Type**	**Description**
🔑 store_id	SERIAL	Number assigned to store
↗ manager_staff_id	SMALLINT	Number assigned to management staff
↗ address_id	SMALLINT	Number assigned to address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update
Linked To		
↗	Staff	store.address_id = staff.address_id
↗	Address	store.address_id = staff.address_id

3.3 Film_Actor		
Column	**Data Type**	**Description**
🔑↗ actor_id	SMALLINT	Number assigned to actor
🔑↗ film_id	SMALLINT	Number assigned to film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update
Linked To		
↗	Actor	film_actor.actor_id = actor.actor_id
↗	Film	film_actor.film_id = film.film_id

3.4 Film_Category		
Column	**Data Type**	**Description**
🔑↗ film_id	SMALLINT	Number assigned to film
🔑↗ category_id	SMALLINT	Number assigned to film category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update
Linked To		
↗	Film	film_category.film_id = film.film_id
↗	Category	film_category.category_id = category.category_id

4. Dimension Tables:

4.1 Rental		
Column	**Data Type**	**Description**
🔑rental_id	SERIAL	Number assigned to rental
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of rental
↗inventory_id	INTEGAR	Number assigned to inventory
↗customer_id	SMALLINT	Number assigned to customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of rental return due date
↗staff_id	SMALLINT	Number assigned to staff member
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.2 Inventory		
Column	**Data Type**	**Description**
🔑inventory_id	SERIAL	Number assigned to inventory
↗film_id	SMALLINT	Number assigned to film
store_id	SMALLINT	Number assigned to store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.3 Customer		
Column	**Data Type**	**Description**
🔑customer_id	SERIAL	Number assigned to customer
store_id	SMALLINT	Number assigned to store
first_name	CHARACTER VARYING(45)	Customer first name
last_name	CHARACTER VARYING(45)	Customer last name
email	CHARACTER VARYING(45)	Customer email address
↗address_id	SMALLINT	Number assigned to customer email address
activebool	BOOLEAN	Customer status (active or inactive)
create_date	DATE	Date/time customer data was created
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update
active	INTEGAR	Customer status (active or inactive)

4.4 Staff		
Column	**Data Type**	**Description**
🔑staff_id	SERIAL	Number assigned to staff member
first_name	CHARACTER VARYING(45)	Staff member first name
last_name	CHARACTER VARYING(45)	Staff members last name
↗address_id	SMALLINT	Number assigned to staff member address
email	CHARACTER VARYING(45)	Staff member email address
store_id	SMALLINT	Number assigned to store
active	BOOLEAN	Staff member status (active or inactive)
username	CHARACTER VARYING(45)	Staff member username
password	CHARACTER VARYING(45)	Staff member password
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update
picture	BYTEA	Staff member picture

4.5 Actor		
Column	**Data Type**	**Description**
🔑actor_id	SERIAL	Number assigned to actor
first_name	CHARACTER VARYING(45)	Actor first name
last_name	CHARACTER VARYING(45)	Actor last name
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.6 Film		
Column	**Data Type**	**Description**
🔑film_id	SERIAL	Number assigned to film
title	CHARACTER VARYING(45)	Title of film
description	TEXT	Descripton of film
release_year	year	Year the film was released
↗language_id	SMALLINT	Number assigned to language of film
rental_duration	SMALLINT	Length of time the film was rented
rental_rate	NUMERIC(4,2)	Pricing rate of rental
length	SMALLINT	Lenth of film
replacement_cost	NUMERIC(5,2)	Cost to replace film
rating	mpaa_rating	Film rating
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update
special_features	TEXT[]	Special features of film
fulltext	TSVECTOR	Key words and terms associated with film

4.7 Category		
Column	**Data Type**	**Description**
🔑category_id	SERIAL	Number assigned to category
name	CHARACTER VARYING(45)	Name of film category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.8 Address		
Column	**Data Type**	**Description**
🔑address_id	SERIAL	Number assigned to address
address	CHARACTER VARYING(50)	Street address
address2	CHARACTER VARYING(50)	Secondary/overflow street address
district	CHARACTER VARYING(50)	District of street address
↗ city_id	SMALLINT	Number assigned to city
postal_code	CHARACTER VARYING(50)	Postal code of address
phone	CHARACTER VARYING(50)	Phone number associated with address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.9 Language		
Column	**Data Type**	**Description**
🔑language_id	SERIAL	Number assigned to language
name	CHARACTER(20)	Name of language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.10 City		
Column	**Data Type**	**Description**
🔑city_id	SERIAL	Number assigned to city
city	CHARACTER VARYING(50)	Name of city
↗ country_id	SMALLINT	Number assigned to country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update

4.11 Country		
Column	**Data Type**	**Description**
🔑country_id	SERIAL	Number assigned to country
country	CHARACTER VARYING(50)	Name of country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date/time of last data update