

Rockbuster Stealth

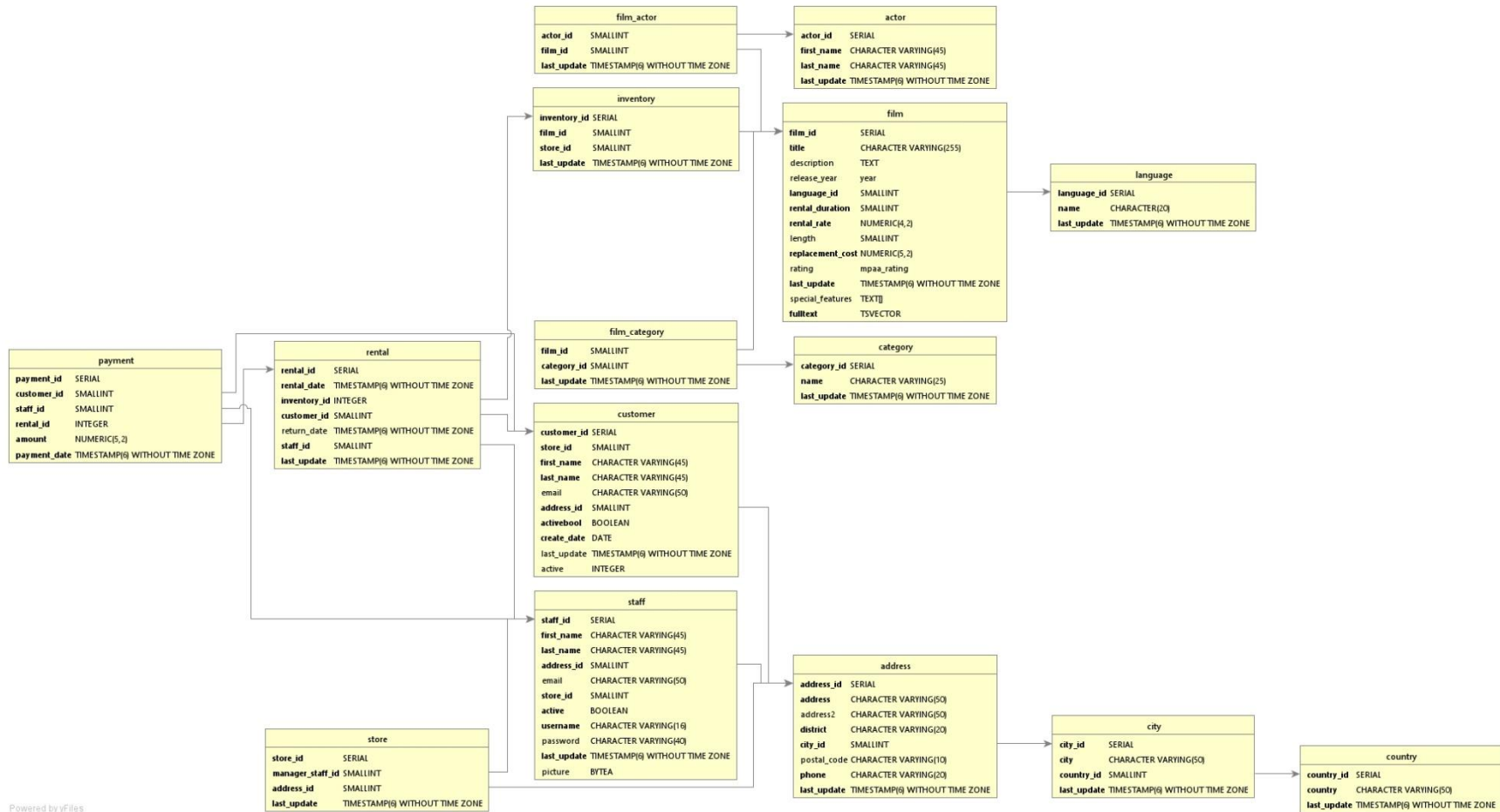
Data Dictionary

William Su

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ERD



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Legend

RED = Primary Key

BLUE = Foreign Key

Fact Table

Rental

Columns	Data Type	Description	Links To/From
Rental_id	SERIAL	The unique ID assigned to each rental	From Payment
Rental_date	TIMESTAMP (6) WITHOUT TIME ZONE	The time and date for when the rental occurred	
Inventory_id	INTEGER	ID number of the product being rented	To Inventory
Customer_id	SMALLINT	ID number of the customer	To Customer
Return_date	TIMESTAMP (6) WITHOUT TIME ZONE	The time and date for when the rental is returned.	
Staff_id	SMALLINT	ID number of the staff who processed the rental/return	To Staff
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The time of the last update of the data entry	

Dimension Table

Payment

Columns	Data Type	Description	Links To/From
Payment_id	SERIAL	The unique ID assigned to the transaction	
Customer_id	SMALLINT	ID number of the customer	To Customer
Staff_id	SMALLINT	ID number of the staff who processed the transaction	To Staff
Rental_id	INTEGER	The unique ID assigned to each rental	To Rental
Amount	NUMERIC (5,2)	The amount paid by the customer	
Payment_date	TIMESTAMP (6) WITHOUT TIME ZONE	The time of the transaction	

Film Actor

Columns	Data Type	Description	Links To/From
Actor_id	SMALLINT	ID of the actor	To Actor
Film_id	SMALLINT	ID of the film	To Film
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of the last updated status	

Actor

Columns	Data Type	Description	Links To/From
Actor_id	SERIAL	Unique ID number for each actor	From Film Actor
First_name	CHARACTER VARYING (45)	First name of the Actor limited to 45 characters	
Last_name	CHARACTER VARYING (45)	Last name of the Actor limited to 45 characters	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of the last update	

Inventory

Columns	Data Type	Description	Links To/From
Inventory_id	SERIAL	Unique ID of each copy of the film	From Rental
Film_id	SMALLINT	ID number of the film	To Film
Store_id	SMALLINT	ID number of the store that has the film	To Store
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

Film

Columns	Data Type	Description	Links To/From
Film_id	SERIAL	Unique ID of the film	From Film Actor, From Inventory, From Film_Category
Title	CHARACTER VARYING (255)	Title of the film limited to 255 characters	
Description	TEXT	Description of the film	
Release_year	YEAR	Year film was released	
Language_id	SMALLINT	ID of film language	To Language
Rental_duration	SMALLINT	How long the film was rented for	
Rental_rate	NUMERIC (4,2)	How much the film was rented for per day	
Length	SMALLINT	Total length of film	
Replacement_cost	NUMERIC (5,2)	Cost to replace film	
Rating	Mpaa_rating	MPAA Rating of film	
Last_update	TIMESTAMP (6) WITHOUT TIMEZONE	Time of last update	
Special features	TEXT	Special features available in the film	
fulltext	TSVECTOR		

Language

Columns	Data Type	Description	Links To/From
Language_id	SERIAL	Unique ID of the language	From Film
Name	CHARACTERS (20)	Name of the language	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

Film Category

Columns	Data Type	Description	Links To/From
Film_id	SMALLINT	ID number of the film	To Film
Category_id	SMALLINT	ID number of the category	To Category
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

Category

Columns	Data Type	Description	Links To/From
Category_id	SERIAL	Unique ID of the film category	From Film Category
Name	CHARACTER VARYING (25)	Name of the film category	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

Customer

Columns	Data Type	Description	Links To/From
Customer_ID	SERIAL	Unique ID of the customer	From Rental, From Payment
Store_id	SMALLINT	ID number of the store	To Store
First_name	CHARACTERS VARYING (45)	First name of the customer	
Last_name	CHARACTERS VARYING (45)	Last name of the customer	
Email	CHARACTER VARYING (50)	E-mail address of the customer	
Address_id	SMALLINT	ID number of the customer's address	To Address
activebool	BOOLEAN	Customer is active or inactive	
Create_date	DATE	The date where the customer was added to the database	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	
Active	INTEGER	Customer is active or inactive	

Store

Columns	Data Type	Description	Links To/From
Store_id	SERIAL	Unique ID of the store	To Customer, To Staff
Manager_staff_id	SMALLINT	ID of the manager of the store	To Staff
Address_id	SMALLINT	ID of the store's address	To Address
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

Staff

Columns	Data Type	Description	Links To/From
Staff_id	SERIAL	Unique ID of the staff member	From Payment, From Store, From Rental
First_name	CHARACTER VARYING (45)	First name of the staff member	
Last_name	CHARACTER VARYING (45)	Last name of the staff member	
Address_id	SMALLINT	ID of their address	To Address
Email	CHARACTER VARYING (50)	E-Mail address of the staff member	
Store_id	SMALLINT	ID of the store they work at	To Store
Active	BOOLEAN	Staff is active or inactive	
Username	CHARACTER VARYING (45)	Username of the Staff member	
Password	CHARACTER VARYING (45)	Password of the staff member	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	
picture	BYTEA	Picture of staff member	

Address

Columns	Data Type	Description	Links To/From
Address_ID	SERIAL	Unique ID of the address	From Customer, From Staff, From Store
Address	CHARACTER VARYING (50)	First line of address	
Address2	CHARACTER VARYING (50)	Second line of address	
District	CHARACTER VARYING (20)	District of address	
City_id	SMALLINT	ID number of City	To City
Postal_code	CHARACTER VARYING (10)	Postal Code	
phone	CHARACTER VARYING (20)	Phone number	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

City

Columns	Data Type	Description	Links To/From
City_id	SERIAL	Unique ID number of city	From Address
City	CHARACTER VARYING (50)	City name	
Country_id	SMALLINT	ID number of country	To Country
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Time of last update	

Country

Columns	Data Type	Description	Links To/From
Country_id	SERIAL	Unique ID number of country	From City
country	CHARACTER VARYING (50)	Country name	
Last_update	TIMESTAMP (6) WITHOUT TIME ZONE	The time of the last update of the data entry	