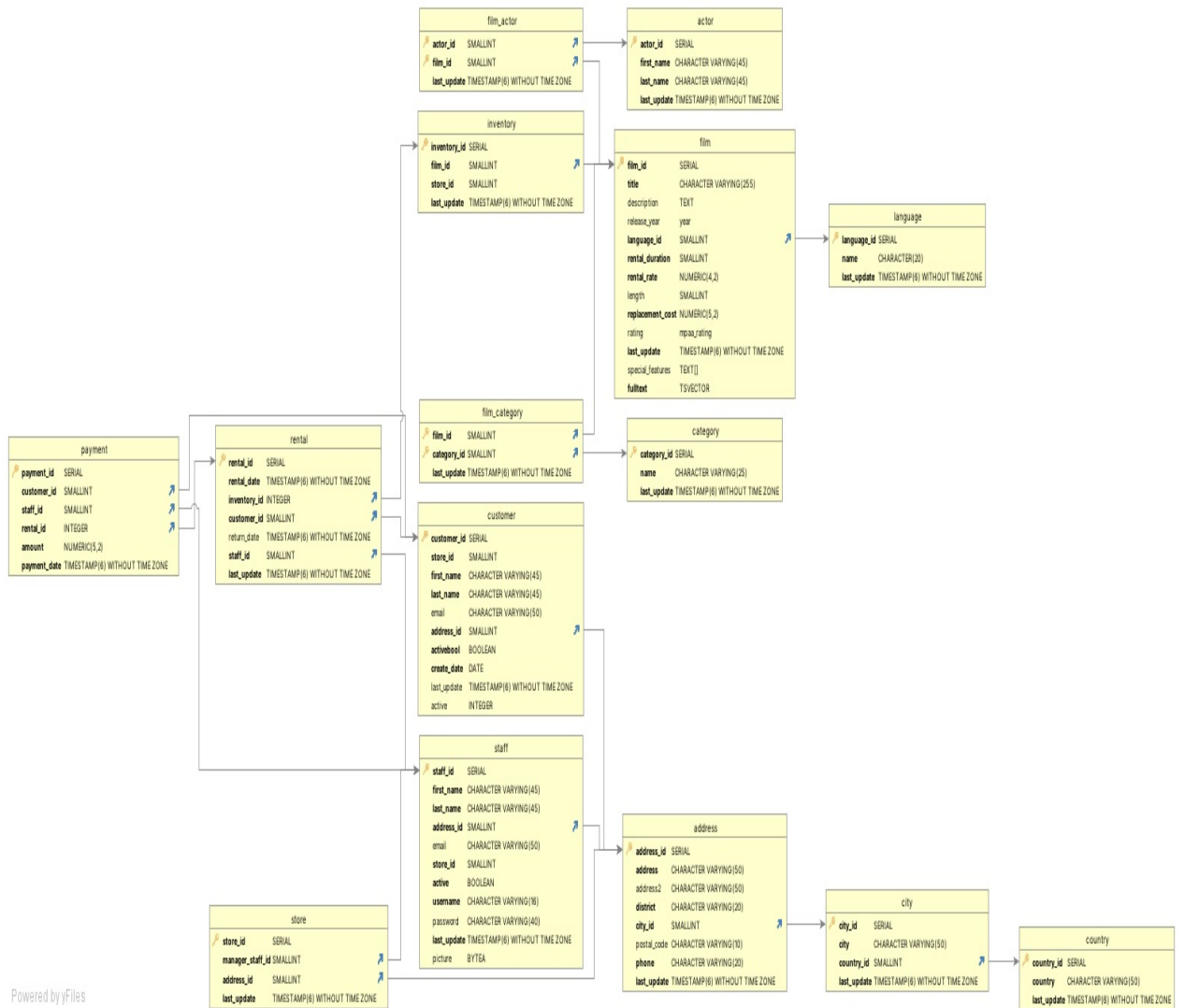

Rockbuster Stealth LLC

Data Dictionary

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1. Entity Relationship Diagram (ERD)



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2. Legend



Primary key



Foreign key



Links to



Linked from

3. Fact Tables

3.1. Payment










Payment			
Columns		Data Type	Description
payment_id		Serial	Unique payment identifier-primary key
customer_id		Small integer	Unique customer identifier
staff_id		Small integer	Unique staff identifier
rental_id		Serial	Unique rental identifier
amount		Numerics (5,2)	Amount of payment
payment_date		Timestamp without time zone	Date and time record of payment

		Table	Join
Links to		rental	Payment.rental_id = Rental.rental_id
		staff	Payment.staff_id = Staff.staff_id
		customer	Payment.customer_id = Customer.customer_id
Linked from		-	-

		Columns	Description
Unique keys		payment_id	Primary key of payment table

4. Dimension Tables

4.1. Actor





Actor			
Columns		Data Type	Description
actor_id		Small integer	Unique actor identifier
first_name		Character varying (45)	Actor's first name
last_name		Character varying (45)	Actor's last name
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		-	-
Linked from		film_actor	Film_actor.actor_id = Actor.actor_id

		Columns	Description
Unique keys		actor_id	Primary key of actor table

4.2. Film actor









Film_actor			
Columns		Data Type	Description
actor_id		Small integer	Unique actor identifier
film_id		Small integer	Unique film identifier
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		actor	Film_actor.actor_id = Actor.actor_id
		film	Film_actor.film_id = Film.film_id
Linked from		-	-

4.3. Film

Film			
Columns		Data Type	Description
film_id		Small integer	Unique film identifier
title		Character varying (255)	Film title
description		text	Description of film
release_year		year	Film release year
language_id		Small integer	Language of film
rental_duration		Small integer	Duration of rental
rental_rate		Numeric (4,2)	Rate or rental
length		Small integer	Length of film
replacement_cost		Numeric (5,2)	Replacement cost of film
rating		mppa_rating	Film rating
last_update		Timestamp without time zone	Date and time of latest update
special_features		text	Film's special features (trailers)
fulltext		tsvector	Film index; used for searching

		Table	Join
Links to		language	Film.language_id = Language.language_id
Linked from		inventory	Film.film_id = Inventory.film_id

		Columns	Description
Unique keys		film_id	Primary key of film table

4.4. Film_category






Film_category			
Columns		Data Type	Description
film_id		Small integer	Unique film identifier
category_id		Small integer	Unique category identifier
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		film	Film_category.film_id = Film.film_id
		category	Film_category.category_id = Category.category_id
Linked from		-	-

4.5. Category





Category			
Columns		Data Type	Description
category_id		Small integer	Unique category identifier
name		Character varying (25)	Category name
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		-	-
Linked from		ifilm_category	Category.category_id = Film_category.category_id

		Columns	Description
Unique keys		category_id	Primary key of category table

4.6. Inventory








Inventory			
Columns		Data Type	Description
inventory_id		integer	Unique inventory identifier
film_id		Small integer	Unique film identifier
store_id		Small integer	Unique store identifier
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		film	Film_actor.film_id = Film.film_id
		store	Inventory.store_id = Store.store_id
Linked from		rental	Inventory.inventory_id = Rental.inventory_id

		Columns	Description
Unique keys		inventory_id	Primary key of inventory table

4.7. Language








Language			
Columns		Data Type	Description
language_id		serial	Language unique identifier
name		Character (20)	Language name
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		-	-
Linked from		film	Language.language_id = Film.language_id

		Columns	Description
Unique keys		language_id	Primary key of language table

4.8. Rental

Rental			
Columns		Data Type	Description
rental_id		Serial	Unique rental identifier
rental_date		Timestamps without time zone	Date and time of rental
inventory_id		integer	Unique inventory identifier
customer_id		Small integer	Unique customer identifier
return_date		Timestamp without time zone	Date and time of rental







staff_id		small integer	Unique staff identifier
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		inventory	Rental.inventory_id = Inventory.inventory_id
		customer	Rental.customer_id = Customer.customer_id
		staff	Rental.staff_id = Staff.staff_id
Linked from		payment	Payment.rental_id = Rental.rental_id

		Columns	Description
Unique keys		rental_id	Primary key of rental table

4.9. Staff






Staff			
Columns		Data Type	Description
staff_id		small integer	Unique staff identifier
first_name		Character varying (45)	Staff member's first name
last_name		Character varying (45)	Staff member's last name
address_id		Small integer	Unique address identifier
email		Character varying (50)	Staff member's email address
store_id		Small integer	Unique store identifier
active		Boolean	Staff members' active status
username		Character varying (16)	Staff members' username
password		Character varying (40)	Staff members' password
last_update		Timestamp without time zone	Date and time of latest update
picture		BYTEA	Staff member's picture

		Table	Join
Links to		address	Staff.address_id = Address.address_id
Linked from		payment	Staff.staff_id = Payment.staff_id

		Columns	Description
Unique keys		staff_id	Primary key of staff table

4.10. Store








Store			
Columns		Data Type	Description
store_id		Small integer	Unique store identifier
manager_staff_id		Small integer	Manager staff unique identifier
address_id		Small integer	Unique address identifier
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		staff	Store.manager_staff_id = Staff.staff_id
		address	Store.address_id = Address.address_id
Linked from		-	-

		Columns	Description
Unique keys		store_id	Primary key of store table

4.11. Customer






Customer			
Columns		Data Type	Description
customer_id		Serial	Unique customer identifier
store_id		Small integer	Unique store identifier
first_name		Character varying (45)	Customer first name
last_name		Character varying (45)	Customer last name
email		Character varying (50)	Customer email
address_id		Small integer	Unique address identifier
active		Boolean	Customer's active status
create_date		Date	Date of customer profile creation
last_update		Timestamp without time zone	Date and time of latest update
active		integer	Active status represented by 0 or 1

		Table	Join
Links to		address	Customer.address_id = Address.address_id
Linked from		rental	Customer.customer_id = Rental.customer_id

		Columns	Description
Unique keys		customer_id	Primary key of customer table

4.12. Address








Address			
Columns		Data Type	Description
address_id		serial	Address unique identifier
address		Character varying (50)	First line of address
address2		Character varying (50)	Second line of address
district		Character varying (20)	Address district
city_id		Small integer	City unique identifier
postal_code		Character varying (10)	Address' postal code
phone		Character varying (20)	Address' phone number
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		city	Address.city_id = City.city_id
Linked from		store	Address.address_id = Store.address_id
		staff	Address.address_id = Staff.address_id
		customer	Address.address_id = Customer.address_id

		Columns	Description
Unique keys		address_id	Primary key of address table

4.13. City






City			
Columns		Data Type	Description
city_id		serial	City's unique identifier
city		Character varying (50)	City name
country_id		Small integer	Country's unique identifier
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		country	City.country_id = Country.country_id
Linked from		address	City.city_id = Address.city_id

		Columns	Description
Unique keys		city_id	Primary key of city table

4.14. Country


Country			
Columns		Data Type	Description
country_id		serial	Country's unique identifier
country		Character varying (50)	Name of country
last_update		Timestamp without time zone	Date and time of latest update

		Table	Join
Links to		-	-
Linked from		city	Country.country_id = City.country_id