



Rockbuster Stealth

Data Dictionary

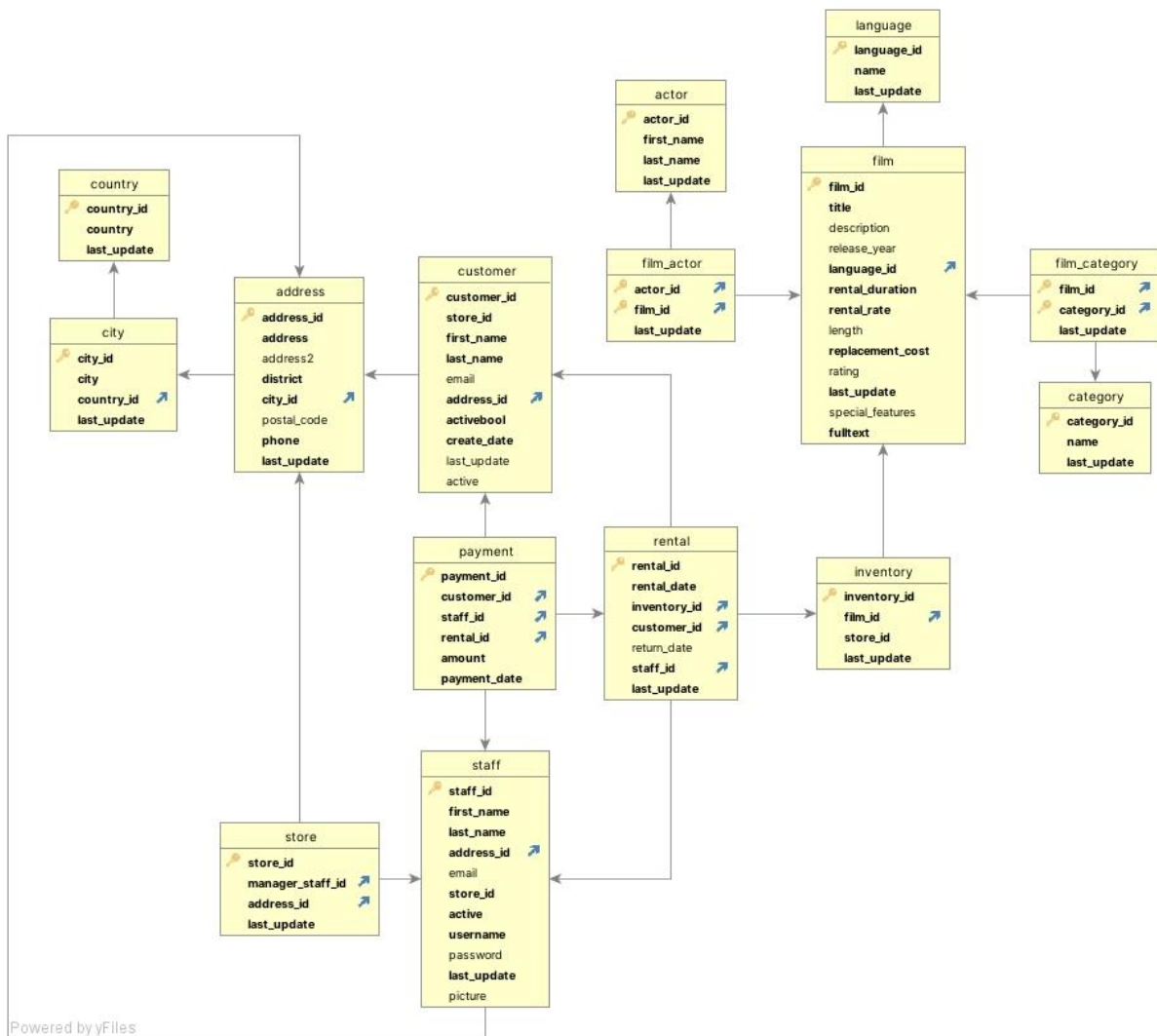
Michael Higgins

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CONTENTS

| | |
|-----------------------------------|---|
| ENTITY RELATIONSHIP DIAGRAM | 2 |
| FACT TABLES | 3 |
| Payment..... | 3 |
| Rental..... | 3 |
| DIMENSION TABLES | 4 |
| Actor..... | 4 |
| Address..... | 4 |
| Category | 4 |
| City..... | 4 |
| Country..... | 5 |
| Customer | 5 |
| Film..... | 6 |
| Film_actor | 6 |
| Film_category | 6 |
| Inventory | 7 |
| Language | 7 |
| Staff..... | 7 |
| Store..... | 8 |

ENTITY RELATIONSHIP DIAGRAM









Primary Key



Foreign Key





FACT TABLES

Payment

| Column | Data Type | Description |
|---|---------------------------------|------------------------------|
|  payment_id | SERIAL | ID for the invoice |
|  customer_id | SMALLINT | ID for the renter (customer) |
|  staff_id | SMALLINT | ID of staff member |
|  rental_id | SERIAL | ID generated for each rental |
| amount | NUMERIC (5,2) | Cost of rental |
| payment_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date that payment is made |

| Links | Joins |
|-------------|-------------------------|
| customer_id | TO customer.customer_id |
| staff_id | TO staff.staff_id |
| rental_id | TO rental.rental_id |


Rental

| Column | Data Type | Description |
|--|---------------------------------|--|
|  rental_id | SERIAL | ID generated for each rental |
| rental_date | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of rental being made |
|  inventory_id | INTEGER | ID for the rental unit |
|  customer_id | SMALLINT | ID for the customer |
| return_date | TIMESTAMP (6) WITHOUT TIME ZONE | Date the rental will end |
|  staff_id | SMALLINT | ID of staff member |
| last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |



| Links | Joins |
|--------------|---------------------------|
| rental_id | FROM payment.rental_id |
| inventory_id | TO inventory.inventroy_id |
| customer_id | TO customer.customer_id |
| staff_id | TO staff.staff_id |

DIMENSION TABLES


Actor

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | actor_id | SERIAL | ID for actor |
| | first_name | CHARACTER VARYING(45) | Actor's first name |
| | last_name | CHARACTER VARYING(45) | Actor's surname |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| | | | |
| Links | | Joins | |
| actor_id | | FROM | film_actor.actor_id |



Address

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | address_id | SERIAL | ID of the address |
| | address | CHARACTER VARYING(50) | First address line |
| | address2 | CHARACTER VARYING(50) | Second address line |
| | district | CHARACTER VARYING(20) | State, province or county |
|  | city_id | SMALLINT | ID of the city |
| | postal_code | CHARACTER VARYING(10) | Post code for the address |
| | phone | CHARACTER VARYING(20) | Phone number |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| | | | |
| Links | | Joins | |
| address_id | | FROM | customer.address_id |
| address_id | | FROM | staff.address_id |
| address_id | | FROM | store.address_id |
| city_id | | TO | city.city_id |


Category

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | category_id | SERIAL | Id of the category |
| | name | CHARACTER VARYING(25) | Name of the film category |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| | | | |
| Links | | Joins | |
| category_id | | FROM | film_category.category_id |

City




| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | city_id | SMALLINT | ID of the city |
| | city | CHARACTER VARYING(50) | Name of city |
|  | country_id | SMALLINT | ID of the country |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| | | | |
| Links | | Joins | |
| city_id | | FROM | address.city_id |
| country_id | | TO | country.country_id |

Country

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | Country_id | SMALLINT | ID of the country |
| | Country | CHARACTER VARYING(50) | Name of country |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |



| Links | Joins |
|------------|----------------------|
| country_id | FROM city.country_id |

Customer

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | customer_id | SMALLINT | ID for the customer |
|  | store_id | SMALLINT | ID of the store where rental is made |
| | first_name | CHARACTER VARYING(45) | Customer's first name |
| | lastname | CHARACTER VARYING(45) | Customer's surname |
| | email | CHARACTER VARYING(50) | Customer's email address |
|  | address_id | SMALLINT | ID of the customer's address |
| | activebool | BOOLEAN | True/False if customer is an active customer |
| | create_date | DATE | Date of customer's joining |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| | active | INTEGER | 0 or 1 indicating customer's activity |


| Links | Joins |
|-------------|--------------------------|
| customer_id | FROM rental.customer_id |
| customer_id | FROM payment.customer_id |
| store_id | TO store.store_id |
| address_id | TO address.address_id |

Film

| | Column | Data Type | Description |
|---|------------------|---------------------------------|--|
|  | film_id | SERIAL | Id of the staff |
| | title | CHARACTER VARYING(25) | Title of the film in inventory |
| | description | TEXT | Description of the film |
| | release_year | YEAR | 4 digit year of film's release |
|  | language_id | SMALLINT | Id of the language of film |
| | rental_duration | SMALLINT | Length of time film has been rented |
| | rental_rate | NUMERIC (4,2) | Cost of rental (US\$) |
| | length | SMALLINT | Length of film (mins) |
| | replacement_cost | NUMERIC (5,2) | Price to replace inventory (US\$) |
| | rating | MPAA_RATING | Film rating by the mpaa |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| | special_features | TEXT[] | DVD bonus features on inventory item |
| | fulltext | TSVECTOR | Description text of film and word count |


| Links | Joins |
|-------------|----------------------------|
| film_id | FROM film_actor.film_id |
| film_id | FROM inventory.film_id |
| film_id | FROM film_category.film_id |
| language_id | TO language.language_id |

Film_actor

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | actor_id | SMALLINT | ID for the actor |
| | film_id | SMALLINT | ID for the film |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |




| Links | Joins |
|----------|-------------------|
| actor_id | TO actor.actor_id |
| film_id | TO film.film_id |

Film_category

| | Column | Data Type | Description |
|---|-------------|---------------------------------|--|
|  | film_id | SMALLINT | ID for the film |
| | category_id | SMALLINT | ID of the film category |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |


| Links | Joins |
|-------------|-------------------------|
| film_id | TO film.film_id |
| category_id | TO category.category_id |

Inventory

| Column | Data Type | Description |
|--|---------------------------------|--|
|  inventory_id | SERIAL | ID of the rented item |
|  film_id | SMALLINT | ID for the film |
|  store_id | SMALLINT | ID of the store where rental is made |
| last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |




| Links | Joins |
|--------------|--------------------------|
| inventory_id | FROM rental.inventory_id |
| film_id | TO film.film_id |
| store_id | TO store.store_id |

Language

| Column | Data Type | Description |
|---|---------------------------------|--|
|  language_id | SERIAL | Id of the film's language |
| name | CHARACTER (20) | Language of the film |
| last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |




| Links | Joins |
|-------------|------------------|
| language_id | film.language_id |

Staff

| Column | Data Type | Description |
|--|---------------------------------|--|
|  staff_id | SMALLINT | ID for the staff |
| first_name | CHARACTER VARYING(45) | Staff's first name |
| last_name | CHARACTER VARYING(45) | Staff's surname |
|  address_id | SMALLINT | ID of the staff's address |
| email | SMALLINT | Staff member email |
|  store_id | SMALLINT | ID of the store of staff |
| active | BOOLEAN | True/False if staff is an active staff |
| username | CHARACTER VARYING(16) | Staff username |
| password | CHARACTER VARYING(40) | Staff member password |
| create_date | DATE | Date of customer's joining |
| last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |
| active | INTEGER | 0 or 1 indicating customer's activity |
| picture | BYTEA | Staff member photo |

| Links | Joins |
|------------|-----------------------------|
| staff_id | FROM staff.staff_id |
| staff_id | FROM store.manager_staff_id |
| staff_id | FROM payment.staff_id |
| staff_id | FROM rental.staff_id |
| address_id | TO address.address_id |
| store_id | TO store.store_id |

Store

| | Column | Data Type | Description |
|---|------------------|---------------------------------|--|
|  | store_id | SERIAL | ID of the store |
|  | manager_staff_id | SMALLINT | Staff_id of the store manager |
|  | address_id | SMALLINT | ID of the store address |
| | last_update | TIMESTAMP (6) WITHOUT TIME ZONE | Time and date of the last change to record |

| Links | Joins |
|------------------|-----------------------|
| store_id | store.store_id |
| store_id | customer.store_id |
| store_id | inventory.store_id |
| manager_staff_id | TO staff.staff_id |
| address_id | TO address.address_id |