

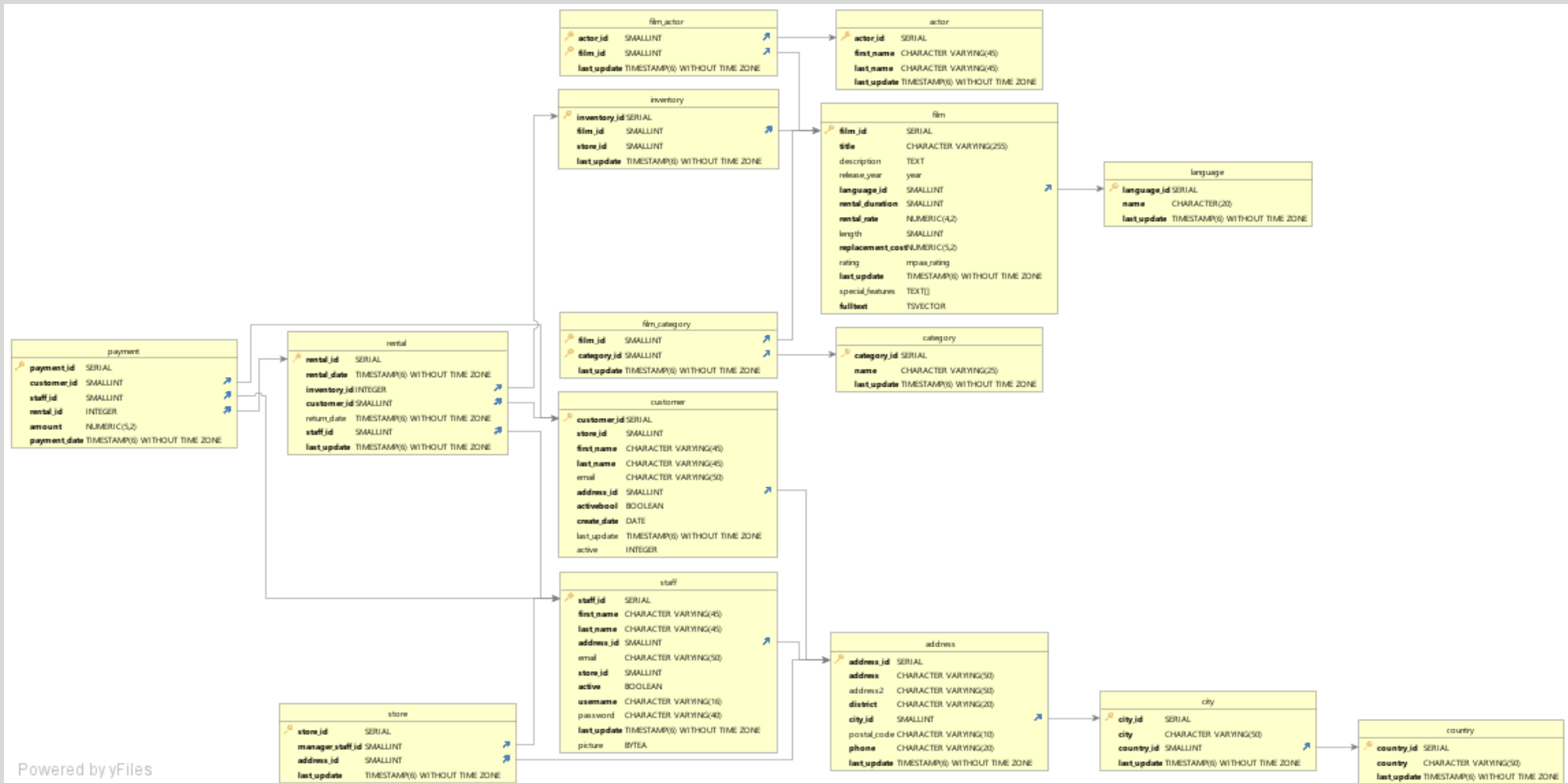
Rockbuster Stealth LLC

Data Dictionary - 2020

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Entity Relationship Diagram



Fact Tables

Rental

| rental | | | | | |
|--------------|--------------------------------|---------------------------------|-------------|-----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| rental_id | SERIAL | Unique rental number | Primary Key | | Payment |
| rental_date | TIMESTAMP(6) WITHOUT TIME ZONE | date of rental | | | |
| inventory_id | INTEGER | Inventory number | Foreign Key | Inventory | |
| customer_id | SMALLINT | Customer's unique ID number | Foreign Key | Customer | |
| return_date | TIMESTAMP(6) WITHOUT TIME ZONE | date of return | | | |
| staff_id | SMALLINT | Staff member's unique ID number | Foreign Key | Staff | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Payment

| payment | | | | | |
|--------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| payment_id | SERIAL | Unique payment number | Primary Key | | |
| customer_id | SMALLINT | Customer's unique ID number | Foreign Key | Customer | |
| staff_id | SMALLINT | Staff member's unique ID number | Foreign Key | Staff | |
| rental_id | INTEGER | Unique rental number | Foreign Key | Rental | |
| amount | NUMERIC(5,2) | Cost of rental | | | |
| payment_date | TIMESTAMP(6) WITHOUT TIME ZONE | date of payment | | | |

Dimension Tables

Film Actor

| film_actor | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| actor_id | SMALLINT | Actor's unique ID number | Foreign Key | Actor | |
| film_id | SMALLINT | Film's unique ID number | Foreign Key | Film | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Actor

| Actor | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|--------------------|
| Column | Data Type | Description | Key | Links To | Links From |
| actor_id | SERIAL | Actor's unique ID number | Primary Key | | Rental, Film Actor |
| first_name | CHARACTER VARYING (45) | Actor's first name | | | |
| last_name | CHARACTER VARYING (45) | Actor's last name | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Inventory

| inventory | | | | | |
|--------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| inventory_id | SERIAL | Unique inventory number | Primary Key | | |
| film_id | SMALLINT | Film's unique ID number | Foreign Key | Film | |
| store_id | SMALLINT | Store's unique ID number | Foreign Key | Store | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Film

| film | | | | | |
|------------------|--------------------------------|-------------------------------------|-------------|----------|--------------------------------------|
| Column | Data Type | Description | Key | Links To | Links From |
| film_id | SERIAL | Film's unique ID number | Primary Key | | Film Actor, Inventory, Film Category |
| title | CHARACTER VARYING (255) | Film's title | | | |
| description | TEXT | Description of film | | | |
| release_year | year | Year of film release | | | |
| language_id | SMALLINT | Language's unique ID number | Foreign Key | Language | |
| rental_duration | SMALLINT | Duration of rental | | | |
| rental_rate | NUMERIC(4,2) | Rate at which rental was charged | | | |
| length | SMALLINT | Length of film | | | |
| replacement_cost | NUMERIC(5,2) | Cost of replacing film | | | |
| rating | mpaa_rating | Film rating | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |
| special_features | TEXT[] | Special features included with film | | | |
| fulltext | TSVECTOR | Keywords associated with film | | | |

Film Category

| film_category | | | | | |
|---------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| film_id | SMALLINT | Film's unique ID number | Foreign Key | Film | |
| category_id | SMALLINT | Categories unique ID number | Foreign Key | Category | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Category

| category | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|---------------|
| Column | Data Type | Description | Key | Links To | Links From |
| category_id | SERIAL | Categories unique ID number | Primary Key | | Film Category |
| name | CHARACTER VARYING (25) | Name of category | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Language

| language | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| language_id | SERIAL | Language's unique ID number | Primary Key | | Film |
| name | CHARACTER VARYING (25) | Name of language | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Customer

| customer | | | | | |
|-------------|--------------------------------|-------------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| customer_id | SERIAL | Customer's unique ID number | Primary Key | | Payment |
| store_id | SMALLINT | Store's unique ID number | Foreign Key | Store | |
| first_name | CHARACTER VARYING (45) | First name of customer | | | |
| last_name | CHARACTER VARYING (45) | Last name of customer | | | |
| email | CHARACTER VARYING (50) | Customer's email address | | | |
| address_id | SMALLINT | Customer's address unique ID number | Foreign Key | Address | |
| activebool | BOOLEAN | How active is the customer | | | |
| create_date | DATE | Date entry was created | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |
| active | INTEGER | Is the customer active | | | |

Staff

| staff | | | | | |
|-------------|--------------------------------|---|-------------|----------|----------------|
| Column | Data Type | Description | Key | Links To | Links From |
| staff_id | SERIAL | Staff member's unique ID number | Primary Key | | Store, Payment |
| first_name | CHARACTER VARYING (45) | First name of staff member | | | |
| last_name | CHARACTER VARYING (45) | Last name of staff member | | | |
| address_id | SMALLINT | Staff member's address unique ID number | Foreign Key | Address | |
| email | CHARACTER VARYING (50) | Staff member's email address | | | |
| store_id | SMALLINT | Store's unique ID number | Foreign Key | Store | |
| active | BOOLEAN | Is the staff member active | | | |
| username | CHARACTER VARYING (16) | Staff username | | | |
| password | CHARACTER VARYING (40) | Staff password | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |
| picture | BYTEA | Staff picture | | | |

Store

| store | | | | | |
|------------------|--------------------------------|---------------------------------|-------------|----------|-------------------------------------|
| Column | Data Type | Description | Key | Links To | Links From |
| store_id | SERIAL | Store's unique ID number | Primary Key | | Staff, Customer, Inventory, Payment |
| manager_staff_id | SMALLINT | Store manager unique ID number | Foreign Key | Staff | |
| address_id | SMALLINT | Store address unique ID number | Foreign Key | Address | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Address

| address | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|------------------------|
| Column | Data Type | Description | Key | Links To | Links From |
| address_id | SMALLINT | Address unique ID number | Primary Key | | Store, Staff, Customer |
| address | CHARACTER VARYING (50) | Street address | | | |
| address2 | CHARACTER VARYING (50) | Additional street address | | | |
| district | CHARACTER VARYING (20) | District of address | | | |
| city_id | SMALLINT | City unique ID number | Foreign Key | City | |
| postal_code | CHARACTER VARYING (10) | Postal code | | | |
| phone | CHARACTER VARYING (20) | Phone number | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

City

| city | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| city_id | SERIAL | City unique ID number | Primary Key | | Address |
| city | CHARACTER VARYING (50) | City | | | |
| country_id | SMALLINT | Country unique ID number | Foreign Key | Country | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |

Country

| country | | | | | |
|-------------|--------------------------------|---------------------------------|-------------|----------|------------|
| Column | Data Type | Description | Key | Links To | Links From |
| country_id | SERIAL | Country unique ID number | Primary Key | | City |
| country | CHARACTER VARYING (50) | Country | | | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date the entry was last updated | | | |