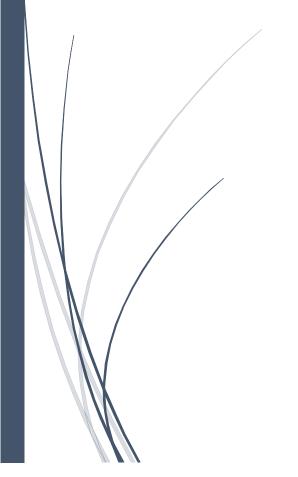
Data Dictionary

Rockbuster

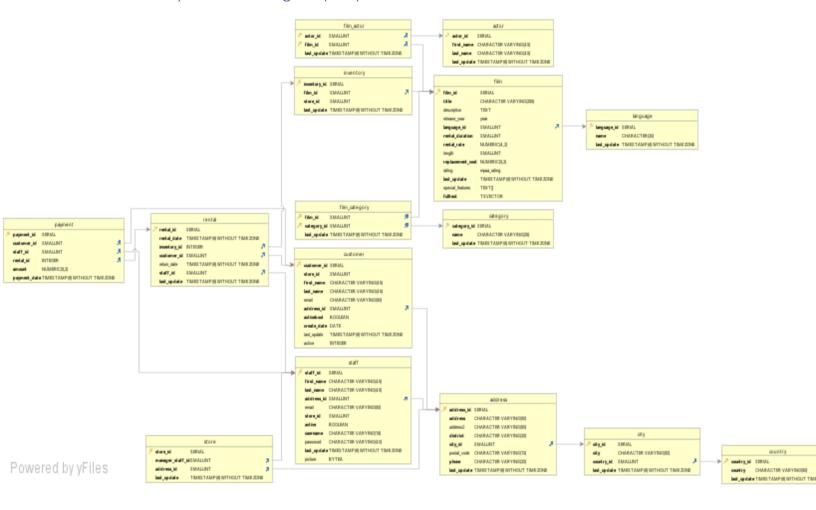


Isaac Gonzalez

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1. Entity Relational Diagram (ERD)



2.1 Tables

Primary Key

⊕ Foreign Key

2.2.1 Payment Table

| Payment- Fact Table | | |
|---------------------|--------------------------------|-------------------------|
| payment_ld •••• | SERIAL | Payment Identification |
| customer_ld ©== | SMALLINT | Customer Identification |
| Staff_id ©== | SMALLINT | Staff Identification |
| rental_id ©= | INTEGER | Rental Identification |
| amount | NUMERIC(5,2) | Payment Amount |
| Payment_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date of Payment |

Links

| Links To | Links From |
|------------------------|------------|
| Customer (customer_id) | |
| Staff (Staff_id) | |
| Rental (Rnetal_id) | |

2.2.2 Rental Table

| Rental-Fact Table | | | |
|-------------------|--------------------------------|--------------------------|--|
| rental_id | SERIAL | Rental Identification | |
| rental_date | TIMESTAMP(6)WITHOUT TIME ZONE | Rental Date | |
| inventory_id | INTEGER | Inventory Identification | |
| customer_id | SMALLINT | Customer Identification | |
| return_date | TIMESTAMP(6)WITHOUT TIME ZONE | Date of Return | |
| staff_id ©== | SMALLINT | Staff Identification | |
| last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated | |

| Tables To | Tables From |
|--------------------------|---------------------|
| Customer (customer_id) | Payment (rental_id) |
| Inventory (inventory_id) | |
| Staff (staff_id) | |

2.2.3 Store Table

| Store- Dimension Table | | | |
|------------------------|----------|--------------------------------|------------------------------|
| Store_id | _ | SERIAL | Store identifier |
| Manager_staff_id | © | SMALLINT | Manager/staff identification |
| address_id | © | SMALLINT | Address identification |
| last_update | | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

Links

| Tables To | Tables From |
|----------------------|-------------|
| Staff (staff_id) | |
| Address (address_id) | |

2.2.4 Film actor

| | Film_actor- Dimension Table | | |
|-------------|-----------------------------|-------------------------------|----------------------|
| Actor_id | © > • | SMALLINT | Actor Identification |
| Film_id | ©== • | SMALLINT | Film Identification |
| Last_update | | TIMESTAMP(6)WITHOUT TIME ZONE | Date last updated |

Links

| Table To | Table From |
|------------------|------------|
| Actor (actor_id) | |
| Film (film_id) | |

2.2.5 Inventory Table

| Inventory- Dimensions Table | | |
|-----------------------------|--------------------------------|--------------------------|
| Inventory_id ••• | SERIAL | Inventory Identification |
| Film_id ©= | SMALLINT | Film Identification |
| Store_id | SMALLINT | Store Identifier |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

Links

| Table To | Table From |
|----------------|--------------------|
| Film (film_id) | Rental (rental_id) |

2.2.6 Film_Category Table

| Film_category-Dimension Table | | | |
|-------------------------------|-------------|---------------------------------|---------------------|
| Film_id | ©== | SMALLINT | Film Identification |
| Category_id | © == • | SMALLINT | Category Identifier |
| Last_update | | TIMESTAMP (6) WITHOUT TIME ZONE | Date last update |

Links

| Tables To | Tables From |
|------------------------|-------------|
| Film (film_id) | |
| Category (category_id) | |

2.2.7 Customer Table

| Customer- Dimension Table | | |
|---------------------------|--------------------------------|---------------------------|
| Customer_id ••• | SERIAL | Customer Identification |
| Store_id | SMALLINT | Store Identifier |
| First_name | CHARACTER VARYING (45) | First Name |
| Last_name | CHARACTER VARYING(45) | Last Name |
| Email | CHARACTER VARYING(50) | Email |
| Address_id ©== | SMALLINT | Address Identification |
| Activebool | BOOLEAN | |
| Create_date | DATE | Date Customer was created |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |
| Active | INTEGER | Customer is active or not |

Links

| Tables To | Tables From | |
|----------------------|-----------------------|--|
| Address (address_id) | Rental (customer_id) | |
| | Payment (customer_id) | |

2.2.8 Staff Table

| Staff-Dimension Table | | |
|-----------------------|--------------------------------|------------------------|
| Staff_id ••• | SERIAL | Staff Identification |
| First_name | CHARACTER VARYING(45) | First Name |
| Last_name | CHARACTER VARYNIG(45) | Last Name |
| Address_id ©== | SMALLINT | Address Identification |
| Email | CHARACTER VARYING(50) | Email |
| Store_id | SMALLINT | Store Identifier |
| Active | BOOLEAN | Customer active or not |
| Username | CHARACTER VARYING(16) | Username |
| Password | CHARACTER VARYING(40) | Password |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |
| picture | BYTEA | Picture |

Links

| Tables To | Tables From | |
|----------------------|--------------------|--|
| Address (address_id) | Payment (staff_id) | |
| | Rental (staff_id) | |
| | Store (staff_id) | |

2.2.9 Actor Table

| Actor- Dimension Table | | |
|------------------------|--------------------------------|----------------------|
| Actor_id ••• | SERIAL | Actor Identification |
| First_name | CHARACTER VARYING(45) | First Name |
| Last_name | CHARACTER VARYING(45) | Last Name |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

Links

| Tables To | Tables From | |
|-----------|-----------------------|--|
| | Film_actor (actor_id) | |

2.2.10 Film Table

| Film- Dimension Table | | |
|-----------------------|--------------------------------|---------------------------|
| Film_id ••• | SERIAL | Film Identification |
| Title | CHARACTER VARYING(255) | Title |
| Description | TEXT | Movie Description |
| Release_year | Year | Release Year |
| Language_id ©== | SMALLINT | Language Identifier |
| Rental_duration | SMALLINT | Rental Duration |
| Rental_rate | NUMERIC(5,2) | Cost of rental |
| Length | SMALLINT | Movie Length |
| Replacement_cost | NUMERIC(5,2) | Cost of movie replacement |
| Rating | mpaa_rating | Movie Rating |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |
| Special_features | TEXT[] | Special features |
| fulltext | TSVECTOR | Full text |

| Tables To | Tables From | |
|------------------------|-------------------------|--|
| Language (language_id) | Inventory (film_id) | |
| | Film_Category (film_id) | |
| | Film_Actor (film_id) | |

2.2.11 Category Table

| Category- Dimension Table | | |
|--|--|---------------|
| Category_id SERIAL Category Identifier | | |
| Name CHARACTER VARYING(25) Category Name | | Category Name |
| Last_update TIMESTAMP(6) WITHOUT TIME ZONE Date last updated | | |

Links

| Table To | Table From | |
|----------|-----------------------------|--|
| | Film_category (category_id) | |

2.2.12 Address Table

| Address- Dimension Table | | |
|--------------------------|--------------------------------|--------------------|
| Address_id ••• | SERIAL | Address Identifier |
| Address | CHARACTER VARYING(50) | Address |
| Address2 | CHARACTER VARYING(50) | Address line 2 |
| District | CHARACTER VARYING(20) | District |
| City_id ©== | SMALLINT | City Identifier |
| Postal_code | CHARACTER VARYING(10) | Postal Code |
| Phone | CHARACTER VARYING(20) | Phone Number |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

Links

| Tables To | Tables From |
|----------------|-----------------------|
| City (city_id) | Store (address_id) |
| | Staff (address_id) |
| | Customer (address_id) |

2.2.13 Language Table

| Language- Dimension Table | | |
|---------------------------|--------------------------------|---------------------|
| Language_id | SERIAL | Language identifier |
| Name | CHARACTER(20) | Name of language |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

| Tables To | Tables From |
|-----------|--------------------|
| | Film (language id) |

2.2.14 City Table

| City- Dimension Table | | |
|-----------------------|--------------------------------|--------------------|
| City_id •••• | SERIAL | City identifier |
| City | CHARACTER VARYING(50) | City |
| Country_id ©== | SMALLINT | Country Identifier |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

Links

| Tables To | Tables From |
|----------------------|-------------------|
| Country (country_id) | Address (city_id) |

2.2.15 Country Table

| Country- Dimension Table | | |
|--------------------------------------|--------------------------------|-------------------|
| Country_id SERIAL Country Identifier | | |
| Country | CHARACTER VARYING(50) | Country |
| Last_update | TIMESTAMP(6) WITHOUT TIME ZONE | Date last updated |

| Tables To | Tables From |
|-----------|-------------------|
| | City (country_id) |