

Data Dictionary

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Rockbuster Stealth LCC

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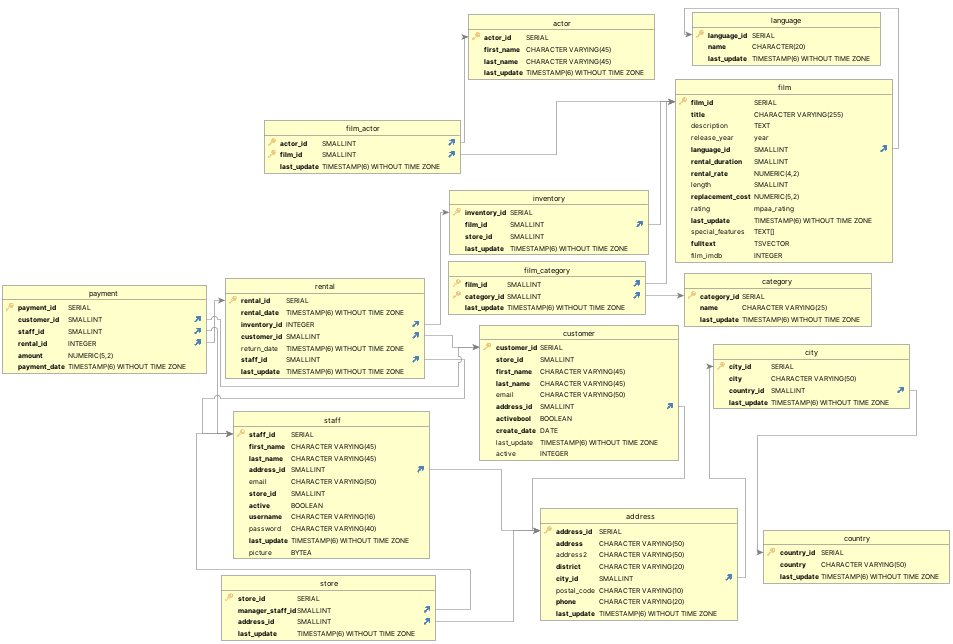
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**ROCKBUSTER STEALTH LCC**

Rockbuster Stealth LLC is a movie rental company that plans to launch an online video rental service. The company has a very large and complex database which includes information about movies, customers, geographic regions, staff and other. The Data from Rockbuster can be used to derive meaningful insights for the online video rental service’s launch strategy.

**Entity Relationship Diagram**

 Primary key  Foreign key

**FACT TABLES:**

**Payment Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Payment\_id | SERIAL | ID of Payment |
| Customer\_id | SMALLINT | ID of Customer |
| Staff\_id | SMALLINT | ID of Staff |
| Rental\_id | INTEGER | ID of Rental |
| Amount | NUMERIC (5,2) | Rental Cost |
| Payment\_date | TIMESTAMP(6) WITHOUT TIMEZONE | Date of payment(of the customer), without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Customer | Payment.customer\_id = Customer.customer\_id | Foreign key reference to customer table |
| Staff | Payment.staff\_id = Staff.staff\_id | Foreign key reference to customer table |
| Rental | Payment.rental\_id = Rental.rental\_id | Foreign key reference to customer table |

**Links from:**The Payment Table does not link from anywhere.

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Payment\_id | Primary Key | Unique Identifier for Payment |
| Customer\_id | Foreign Key | Unique Identifier for Customers |
| Staff\_id | Foreign Key | Unique Identifier for a Staff member |
| Rental\_id | Foreign Key | Unique Identifier for a movie rental |

**Rental Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Rental\_id | SERIAL | ID of Rented Movie |
| Rental\_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date when movie is rented, without a time zone |
| Inventory\_id | INTEGER | The ID of the inventory item |
| Customer\_id | SMALLINT | ID of Customer |
| Return\_date | TIMESTAMP(6) WITHOUT TIME ZONE | Date when movie is returned, without a time zone |
| Staff\_id | SMALLINT | ID of a staff member |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Inventory | Rental.inventory\_id = Inventory.inventory\_id | Foreign key reference to inventory table |
| Customer | Rental.customer\_id = Customer.customer\_id | Foreign key reference to customer table |
| Staff | Rental.Staff\_id = Staff.staff\_id | Foreign key reference to staff table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Payment | Rental.rental\_id = Payment.rental\_id | Foreign key reference to payment table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Rental\_id | Primary Key | Unique Identifier for Rental |
| Inventory\_id | Foreign Key | Unique Identifier for Inventory |
| Customer\_id | Foreign Key | Unique Identifier for a Customer |
| Staff\_id | Foreign Key | Unique Identifier for a Staff member |

**DIMENSIONS TABLES:**

**Actor Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Actor\_id | SERIAL | ID of Actor |
| First\_name | CHARACTER VARYING(45) | First Name of Actor |
| Last\_name | CHARACTER VARYING(45) | Last Name of Actor |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

The Actor Table doesn’t link to any other table.

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Film\_actor | Actor.actor\_id = Film\_actor.actor\_id | Foreign key reference to Film\_actor table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Actor\_id | Primary Key | Unique Identifier for an Actor |

**Address Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Address\_id | SERIAL | ID of Address |
| Address | CHARACTER VARYING(50) | Address 1 |
| Address2 | CHARACTER VARYING(50) | Address 2 |
| District | CHARACTER VARYING(20) | Name of District |
| City\_id | SMALLINT | ID of the City |
| Postal\_code | CHARACTER VARYING(10) | Postal Code |
| Phone | CHARACTER VARYING(20) | Phone Number |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last Updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| City | Address.city\_id = City.city\_id | Foreign key reference to City table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Customer | Address.address\_id = Customer.address\_id | Foreign key reference to Customer table |
| Staff | Address.address\_id = Staff.address\_id | Foreign key reference to Staff table |
| Store | Address.address\_id = Store.address\_id | Foreign key reference to Store table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Address\_id | Primary Key | Unique Identifier for an Address |
| City\_id | Foreign Key | Unique Identifier for a City |

**Category Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Category\_id | SERIAL | ID of Category |
| Name | CHARACTER VARYING(25) | Name of the Category |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last Updated information, without a time zone |

**Links to:**

The Category Table doesn’t link to any other table.

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Film\_category | Category.category\_id = Film\_category.category\_id | Foreign key reference to Film\_category table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Category\_id | Primary Key | Unique Identifier for a Category |

**City Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| City\_id | SERIAL | ID of the City |
| City | CHARACTER VARYING(50) | Name of the City |
| Country\_id | SMALLINT | ID of the Country |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last Updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Country | City.country\_id = Country.country\_id | Foreign key reference to Country table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Address | City.city\_id = Address.city\_id | Foreign key reference to Address table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| City\_id | Primary Key | Unique Identifier for a City |
| Country\_id | Foreign Key | Unique Identifier for a Country |

**Country Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Country\_id | SERIAL | ID of Country |
| Country | CHARACTER VARYING(50) | Name of the Country |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last Updated information, without a time zone |

**Links to:**

The Country Table doesn’t link to any other table.

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| City | Country.country\_id = City.country\_id | Foreign key reference to City table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Country\_id | Primary Key | Unique Identifier for a Country |

**Customer Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Customer\_id | SERIAL | ID of the Customer |
| Store\_id | SMALLINT | ID of the Store |
| First\_name | CHARACTER VARYING(45) | First name of Customer |
| Last\_name | CHARACTER VARYING(45) | Last name of Customer |
| Email | CHARACTER VARYING(50) | Email address of the Customer |
| Address\_id | SMALLINT | Customer address |
| Activebool | BOOLEAN | Type of Data that can only be (true/false) |
| Create\_date | Date | Date when Customer was first registered |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |
| Active | INTEGER | Active or not status, represented by 1 or 0 |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Address | Customer.address\_id = Address.address\_id | Foreign key reference to Address table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Payment | Customer.customer\_id = Payment.customer\_id | Foreign key reference to Payment table |
| Rental | Customer.customer\_id = Rental.customer\_id | Foreign key reference to Rental table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Customer\_id | Primary Key | Unique Identifier for a Customer |
| Address\_id | Foreign Key | Unique Identifier for an Address |

**Film Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Film\_id | SERIAL | ID of the film |
| Title | CHARACTER VARYING(255) | Title of the film |
| Description | TEXT | Description of the film |
| Release\_year | Year | Year movie is released |
| Language\_id | SMALLINT | ID of the language |
| Rental\_duration | SMALLINT | Duration of the rent of the film |
| Rental\_rate | NUMERIC(4,2) | Rate of renting |
| Length | SMALLINT | Length of the film |
| Replacement\_cost | NUMERIC(5,2) | Cost of replacement |
| Rating | MPAA\_RATING | Audience age accessibility |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |
| Special\_features | TEXT[] | Special features of the film |
| Fulltext | TSVECTOR | Film index (includes key words in the film) |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Language | Film.language\_id = Language.language\_id | Foreign key reference to Language table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Film\_actor | Film.film\_id = Film\_actor.film\_id | Foreign key reference to Film\_actor table |
| Inventory | Film.film\_id = Inventory.film\_id | Foreign key reference to Inventory table |
| Film\_category | Film.film\_id = Film\_category.film\_id | Foreign key reference to Film\_category table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Film\_id | Primary Key | Unique Identifier for a Film |
| Language\_id | Foreign Key | Unique Identifier for a Language |

**Film\_actor Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Actor\_id | SMALLINT | ID of Actor |
| Film\_id | SMALLINT | ID of Film |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Actor | Film\_actor.actor\_id = Actor.actor\_id | Foreign key reference to Actor table |
| Film | Film\_actor.film\_id = Film.actor\_id | Foreign key reference to Film table |

**Links from:**

The Film\_actor Table doesn’t link from any other table.

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Actor\_id | Primary Key | Unique Identifier for an Actor |
| Film\_id | Foreign Key | Unique Identifier for a Film |

**Film\_category Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Film\_id | SMALLINT | ID of film |
| Category\_id | SMALLINT | ID of category |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Film | Film\_category.film\_id = Film.film\_id | Foreign key reference to Film table |
| Category | Film\_category.category\_id = Category.category\_id | Foreign key reference to Category table |

**Links from:**

The Film\_category Table doesn’t link from any other table.

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Film\_id | Primary Key | Unique Identifier for a Film |
| Category\_id | Foreign Key | Unique Identifier for a Category |

**Inventory Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Inventory\_id | SERIAL | ID of inventory |
| Film\_id | SMALLINT | ID of the film |
| Store\_id | SMALLINT | ID of the store |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Film | Inventory.film\_id = Film.film\_id | Foreign key reference to Film table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Rental | Inventory.intentory\_id = Rental.inventory\_id | Foreign key reference to Rental table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Inventory\_id | Primary Key | Unique Identifier for an inventory |
| Film\_id | Foreign Key | Unique Identifier for a Film |

**Language Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Language\_id | SERIAL | ID of language |
| Name | CHARACTER(20) | Name of the language |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

The Language Table doesn’t link to any other table.

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Film | Language.language\_id = Film.language\_id | Foreign key reference to Film table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Language\_id | Primary Key | Unique Identifier for a language |

**Staff Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Staff\_id | SERIAL | ID of Staff |
| First\_name | CHARACTER VARYING(45) | First name of a Staff member |
| Last\_name | CHARACTER VARYING(45) | Last name of a Staff member |
| Address\_id | SMALLINT | ID of address |
| Email | CHARACTER VARYING(50) | Email address of a Staff member |
| Store\_id | SMALLINT | ID of store |
| Active | BOOLEAN | Type of data that can only be (true/false) |
| Username | CHARACTER VARYING(16) | Username of a Staff member |
| Password | CHARACTER VARYING(40) | Password of a Staff member |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |
| Picture | BYTEA | Picture of a Staff member |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Address | Staff.address\_id = Address.address\_id | Foreign key reference to Address table |

**Links from:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Rental | Staff.staff\_id = Rental.staff\_id | Foreign key reference to Rental table |
| Payment | Staff.staff\_id = Payment.staff\_id | Foreign key reference to Payment table |
| Store | Staff.staff\_id = Store.staff\_id | Foreign key reference to Store table |

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Staff\_id | Primary Key | Unique Identifier for a Staff member |
| Address\_id | Foreign Key | Unique Identifier for an Address |

**Store Table**

**Columns:**

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Description |
| Store\_id | SERIAL | ID of Store |
| Manager\_staff\_id | SMALLINT | ID of Staff manager |
| Address\_id | SMALLINT | ID of Store Address |
| Last\_update | TIMESTAMP(6) WITHOUT TIME ZONE | Last updated information, without a time zone |

**Links to:**

|  |  |  |
| --- | --- | --- |
| Table | Join | Description |
| Address | Store.address\_id = Address.address\_id | Foreign key reference to Address table |
| Staff | Store.manager\_staff\_id = Staff.staff\_id | Foreign key reference to Staff table |

**Links from:**

The Store Table doesn’t link from any other table.

**Unique Keys:**

|  |  |  |
| --- | --- | --- |
| Column | Key Type | Description |
| Store\_id | Primary Key | Unique Identifier for a Store |
| Manager\_staff\_id | Foreign Key | Unique Identifier for Staff manager |
| Address\_id | Foreign Key | Unique Identifier for Staff an address |