**Rockbuster Stealth LLC**

**Data Dictionary**

A movie clapper board and film reel

Description automatically generated with low confidence

1. **ERD Diagram with Lucid Chart**

**A picture containing text, diagram, plan, schematic

Description automatically generated**

**2.**

A screenshot of a computer screen

Description automatically generated with low confidence

A black clapper board on top of money

Description automatically generated with low confidence

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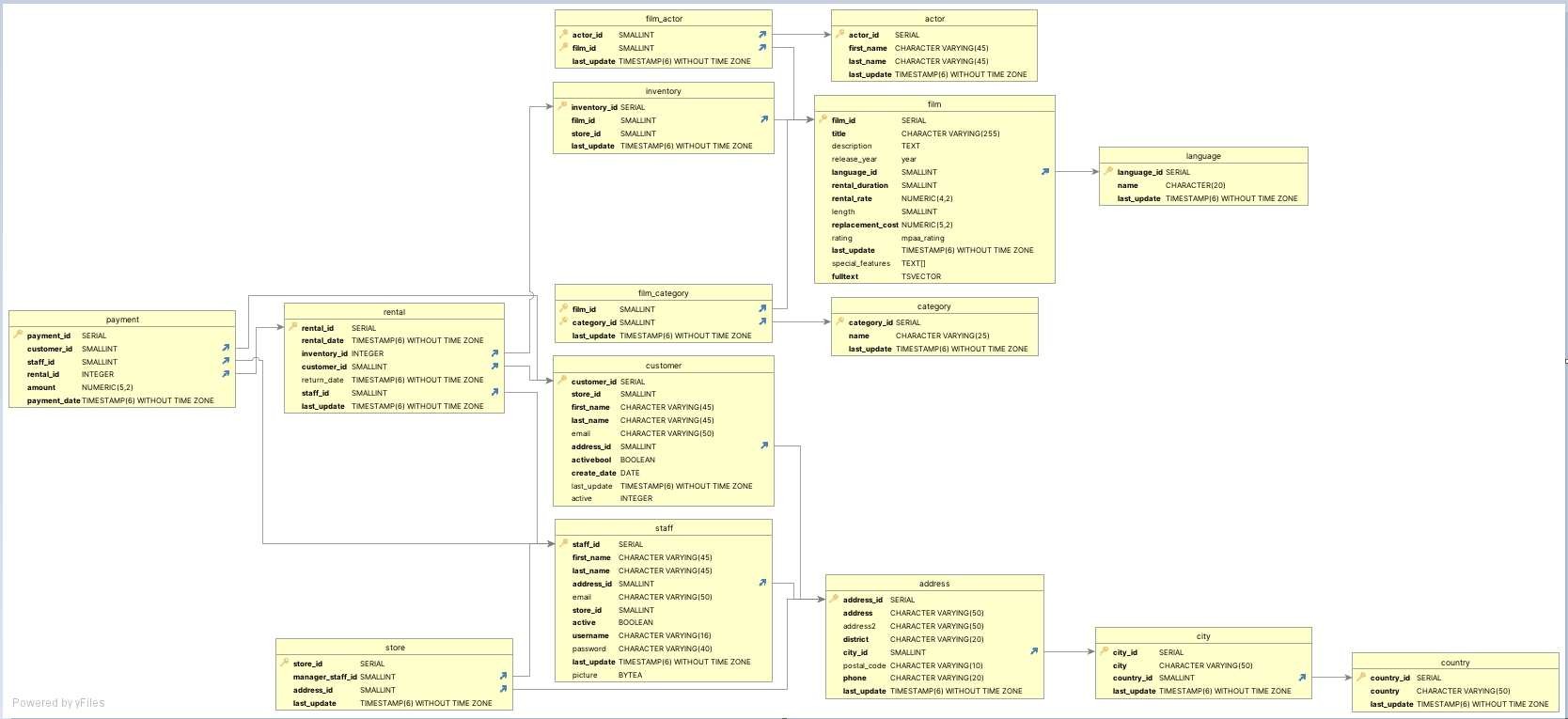
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# Rockbuster Stealth LLC

**This is a data dictionary for Rockbuster Stealth LLC from the PostgreSQL server database.**

**Rockbuster Stealth LLC is a movie rental company that plans to launch an online video rental serivce. The company has a large and complex database that contains information on films, customers, payments, rentals, and more.**

# Entity Relationship Diagram



3

# FACT TABLES

Primary Key Foreign Key

|  |  |  |
| --- | --- | --- |
| **payment** | | |
| **Column** | **Data Type** | **Description** |
| Payment\_id | Serial | Unique payment identifier |
| Customer\_id | Small Int | Unique customer identifier |
| Staff\_id | Small Int | Unique staff identifier |
| Rental\_id | Integer | Unique rental identifier |
| Amount | Numeric (5,2) | Amount of payment received |
| Payment\_date | Timestamp w/o Time Zone | Date of payment |

Links to

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Customer | Payment.customer\_id = customer.customer\_id | Forgein key constraint referencing  customer.customer\_id |
| Staff | Payment.staff\_id =  staff.staff\_id | Foreign key constraint  referencing staff.staff\_id |
| Rental | Payment.rental\_id =  rental.rental\_id | Foreign key constraint  referencing rental.rental\_id |

Links from

This table does not link from any tables

Unique keys

|  |  |
| --- | --- |
| **Columns** | **Description** |
| Payment\_id | A unique identifier for payment |
| Customer\_id | A unique identifier for customer |
| Staff\_id | A unique identifier for staff |
| Rental\_id | A unique identifier for rental |

|  |  |  |
| --- | --- | --- |
| **rental** | | |
| **Column** | **Data Type** | **Description** |
| Rental\_id | Serial | Unique identifier for rental |
| Rental\_date | Timestamp(6) without time  zone | Time and date of rental without  time zone |
| Inventory\_id | Integer | Unique identifier for inventory |
| Customer\_id | Small int | Unique identifier for inventory |
| Return\_id | Timestamp | The date and time when the  rental is returned |
| Staff\_id | Int2 | Identifier of the staff member  involved in the rental process |
| Last\_update | Timestamp | The date and time of the last  update to the rental record |

Links to

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Inventory | Rental.inventory\_id = inventory.inventory\_id | Foreign key constraint referencing  inventory.inventory\_id |
| Customer | Rental.customer\_id = customer.customer\_id | Foreign key constraint  referencing customer.customer\_id |
| Staff | Rental.staff\_id = staff.staff\_id | Foreign key constraint  referencing staff.staff\_id |

Links from

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Payment | Rental.rental\_id = payment.rental\_id | Foreign key constraint referencing  payment.rental\_id |

Unique keys

|  |  |
| --- | --- |
| **Columns** | **Description** |
| Rental\_id | A unique identifier for rentals |
| Inventory\_id | A unique identifier for inventory |
| Customer\_id | A unique identifier for customer |
| Staff\_id | A unique identifier for staff |

# DIMENSION TABLES

Primary Key Foreign Key

|  |  |  |
| --- | --- | --- |
| **actor** | | |
| **Column** | **Data Type** | **Description** |
| Actor\_id | Serial | Unique identifier 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 update of actor profile |

Links to

This table does not link to any table

Links from

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

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Actor\_id | Unique actor identifier |

|  |  |  |
| --- | --- | --- |
| **address** | | |
| **Column** | **Data Type** | **Description** |
| Address\_id | Serial | Unique identifier of address |
| Address | Character varying (50) | First line of address |
| Address2 | Character varying (50) | Second line of address |
| District | Character varying (20) | Region of address |
| City\_id | Small int | Unique identifier of city |

Link to

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

Links from

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Customer | Custome.address\_id =  address.address\_id | Foreign key reference to the  customer table |
| Staff | Starr.address\_id =  address.address\_id | Foreign key reference to the  staff table |
| Store | Store.address\_id =  address.address\_id | Foereign key reference to the  store table |

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Address\_id | Unique address identifier |

|  |  |  |
| --- | --- | --- |
| **category** | | |
| **Column** | **Data Type** | **Description** |
| Category\_id | Serial | Unique identifier of category |
| Name | Character varying (25) | Name of category |
| Last\_update | Timestamp(6) without time  zone | Last update of category |

Links to

This table does not link to any tables.

Links from

|  |  |  |
| --- | --- | --- |
| **Column** | **Join** | **Description** |
| Film\_category | Film\_category.category\_id =  category.category\_id | Foreign key reference to the  film\_category table |

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Category\_id | Unique category identifier |

|  |  |  |
| --- | --- | --- |
| **city** | | |
| **Column** | **Data Type** | **Description** |
| City\_id | Serial | Unique identifier of city |
| City | Character varying (50) | Name of city |
| Country\_id | Small int | Unique identifier of country |
| Last\_update | Timestamp(6) without time  zone | Last update of city |

Links to

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Country | Country.county\_id = city.  Country\_id | Foreign key reference to the  country table |

Links from

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

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| City\_id | Unique ciry identifier |
| Country\_id | Identifier of the country associated with the  city |

|  |  |  |
| --- | --- | --- |
| **country** | | |
| **Column** | **Data Type** | **Description** |
| Country\_id | serial | Unique identifier of country |
| Country | Character varying (50) | Nzmd of country |
| Last\_update | Timestamp(6) without time  zone | Last update of country |

Link to

This table does not link to any tables.

Links from

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

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Country\_id | Unique country identifier |

|  |  |  |
| --- | --- | --- |
| **customer** | | |
| **Column** | **Data Type** | **Description** |
| Customer\_id | Serial | Unique identifier of customer |
| Store\_id | Small int | Unique identifier of store |
| First\_name | Character varying (45) | First name of customer |
| Last\_name | Character varying (45) | Last name of customer |
| Email | Character varying (50) | Customer email address |
| Address\_id | Small int | Unique identifier of address |
| Activebool | Boolean | Status of whether customer is  active or not |
| Create\_date | Date | Date of customer profile  creation |
| Last\_update | Timestamp(6) without time  zone | Last update of customer profile |
| active | integer | Active status represented by 1  or 0 |

Links to

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

Links from

|  |  |  |
| --- | --- | --- |
| **Table** | **Joine** | **Description** |
| Payment | Payment.customer\_id = customer.customer\_id | Foreign key reference to the payment table |
| Rental | Rental.customer\_id =  customer.customer\_id | Foreign key reference to the  rental table |

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Customer\_id | Unique customer identifier |
| Address\_id | Identifier of the address associated with he  customer |

|  |  |  |
| --- | --- | --- |
| **film** | | |
| **Column** | **Data Type** | **Description** |
| Film\_id | Serial | Unique identifier of film |
| Title | Character varying (255) | Full title of film |
| Description | Text | Description of film |
| Release\_year | Year | Release year of film |
| Language\_id | Small int | Unique identifier of language |
| Rental\_duration | Small int | Duration of rental |
| Rental\_rate | Numeric (4,2) | Cost of rental |
| Length | Small int | Length of film |
| Replacement\_cost | Numeric (5,2) | Cost to replace film |
| Rating | Mpaa\_rating | Rating of film |
| Last\_update | Timestamp(6) without time  zone | Last update of film profile |
| Special\_features | Text [] | Special features of film |
| Fulltext | Tsvector | Full text index; info about significant words and their  location |

Links to

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Language | Language.language\_id =  film.language\_id | Foreign key reference to the  actor table |

Links from

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

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Film\_id | Unique film identifier |
| Language\_id | Identifier of the language used in the film |

|  |  |  |
| --- | --- | --- |
| **Film\_actor** | | |
| **Column** | **Data Type** | **Description** |
| Actor\_id | Small int | Unique identifier of actor |
| Film\_id | Small int | Unique identifier of film |
| Last\_update | Timestamp(6) without time  zone | Last update of film actor |

Links to

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

Links from

This table does not link from any tables.

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Actor\_id | Identifier of the actor associated with the film |
| Film\_id | Identifier of the film associated with the actor |

|  |  |  |
| --- | --- | --- |
| **Film\_category** | | |
| **Column** | **Data Type** | **Description** |
| Film\_id | Small int | Unique identifier of film |
| Category\_id | Small int | Unique identifier of category |
| Last\_update | Timestamp(6) without time  zone | Last update of film |

Links to

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

Links from

This table does not link from any tables.

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Film\_id | Identifier of the film associated with the  category |
| Category\_id | Identifier of the category associated with the  film |

|  |  |  |
| --- | --- | --- |
| **inventory** | | |
| **Column** | **Data Type** | **Description** |
| Inventory\_id | Serial | Unique identifier of inventory |
| Film\_id | Small int | Unique identifier of film |
| Store\_id | Small int | Unique identifier of store |
| Last\_update | Timestamp(6) without time  zone | Last update of inventory |

Links to

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Film | Film.film\_id =  inventory.film\_id | Foreign key reference to the  address table |

Links from

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Rental | Rental.inventory\_id = inventory.inventory\_id | Foreign key reference to the rental table |

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Inventory\_id | Unique inventory identifier |
| Film\_id | Idnetifier of the film |

|  |  |  |
| --- | --- | --- |
| **language** | | |
| **Column** | **Data Type** | **Description** |
| Language\_id | Serial | Unique identifier of language |
| Name | Character (20) | Name of language |
| Last\_update | Timestamp(6) without time  zone | Last update of language |

Links to

This table does not link to any tables.

Links from

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

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Language\_id | Unique language identifier |

|  |  |  |
| --- | --- | --- |
| **staff** | | |
| **Column** | **Data Type** | **Description** |
| Staff\_id | Serial | Unique identifier of staff  member |
| First\_name | Character varying (45) | First name of staff member |
| Last\_name | Character varying (45) | Last name of staff member |
| Address\_id | Small int | Unique identifier of address |
| Email | Character varying (50) | Staff member email address |
| Store\_id | Small int | Unique identifier of store |
| Active | Boolean | Status of whether staff is  currently employed |
| Username | Character varying (16) | Staff member’s username |
| Password | Character varying (40) | Staff member’s password |
| Last\_update | Timestamp(6) without time  zone | Last update of staff member  profile |
| picture | bytea | Picture of staff member |

Links to

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

Links from

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Rental | Rental.staff\_id = staff.staff\_id | Foreign key reference to the  rental table |
| Payment | Payment.staff\_id =  staff.staff\_id | Foreign key reference to the  payment table |
| Store | Store.manager\_staff\_id = staff.staff\_id | Foreign key reference to the store table |

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Staff\_id | Unique staff identifier |
| Address\_id | Identifier of the address associated with he  staff member |

|  |  |  |
| --- | --- | --- |
| **store** | | |
| **Column** | **Data Type** | **Description** |
| Store\_id | Serial | Unique identifier of store |
| Manager\_staff\_id | Small int | Unique indentifier of staff  manager |
| Address\_id | Small int | Unique identifier of address |
| Last\_update | Timestamp(6) without time  zone | Last update of store profile |

Links to

|  |  |  |
| --- | --- | --- |
| **Table** | **Join** | **Description** |
| Staff | Staff\_staff\_id = store.staff\_manager\_id | Foreign key reference to the staff table |
| Address | Address.address\_id = store.address\_id | Foreign key reference to the address table |

Links from

This table does not link from any tables.

Unique keys

|  |  |
| --- | --- |
| **Column** | **Description** |
| Store\_id | Unique store identifier |
| Manager\_staff\_id | Identifier of the staff member who manages  the store |
| Address\_id | Identifier of the address associated with the store |