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**Rockbuster Stealth LLC**

**Data Dictionary**

**January 2023**

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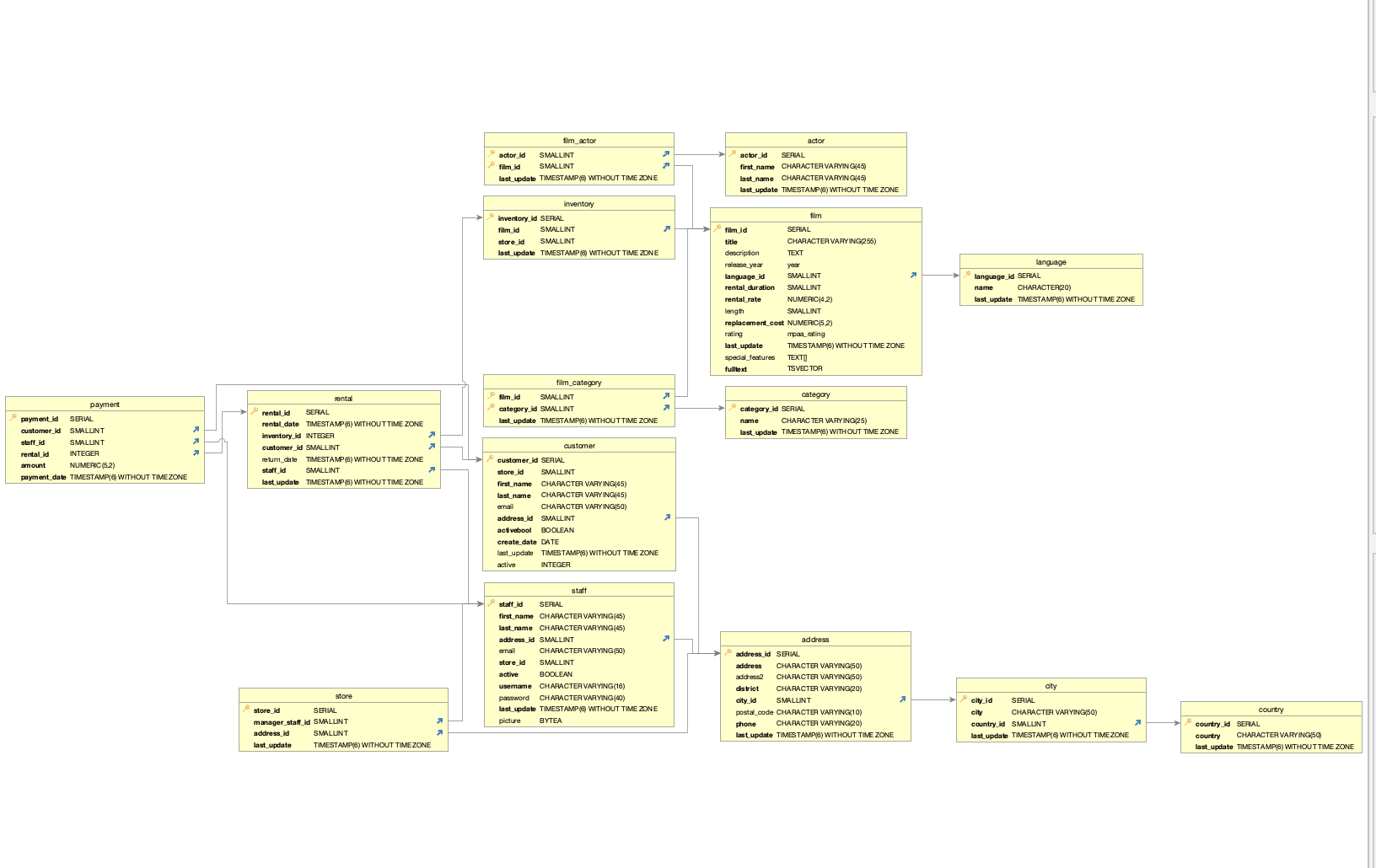
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# 1. ERD DIAGRAM



# 2. The fact and the dimension tables in the Rockbuster

## a. FACT TABLES

|  |  |  |  |
| --- | --- | --- | --- |
| TABLE | Columns | Data Type | Description |
| Payment | payment\_id (primary key) | SERIAL | Payment ID number |
|  | customer\_id | SMALLINT | Customer ID number |
| staff\_id | SMALLINT | Staff ID number |
| rental\_id | INTEGER | Rental ID number |
| amount | NUMERIC (5,2) | Amount Value USD |
| payment\_date | TIMESTAMP (6) WITHOUT TIMEZONE | Payment Date and time without time zone. |
| RENTAL | Rental\_id (primary key) | SERIAL | Rental ID number |
|  | Rental\_date | TIMESTAMP (6) WITHOUT TIMEZONE | Rental Date and time without time zone. |
| Inventory\_id | INTEGER | Inventory id number |
| Customer\_id | SMALLINT | Customer ID number |
| Return\_date | TIMESTAMP (6) WITHOUT TIMEZONE | Return Date and time without time zone. |
| Staff\_id | SMALLINT | Staff ID number |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |

## b. DIMENSIONS TABLES

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Columns | Data Type | Description |
| Store | Store\_id (primary key) | SERIAL | Store id number. |
|  | Manager\_staff\_idd | SMALLINT | Manager staff id number |
| Address\_id | SMALLINT | Address id number. |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Inventory | Inventory\_id (primary key) | SERIAL | Inventory id number |
|  | Film\_id | SMALLINT | Film id number |
| Store\_id | SMALLINT | Sore id number. |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Customer | Customer\_id (primary key) | SERIAL | Customer id number. |
|  | Store\_id | SMALLINT | Store id number. |
| First\_name | CHARACTER VARYING (45) | First name. |
| Last\_name | CHARACTER VARYING (45) | Last name |
| email | CHARACTER VARYING (50) | Email address |
| Address\_id | SMALLINT | Address id number. |
| activebool | BOOLEAN | activebool |
| Create\_date | DATE | Create date. |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Active | INTEGER | active |
| Staff | Staff\_id (primary key) | SERIAL | Staff id number |
|  | First\_name | CHARACTER VARYING (45) | First name |
| Last\_name | CHARACTER VARYING (45) | Last name |
| Address\_id | SMALLINT | Address id number |
| email | CHARACTER VARYING (50) | Email address |
| Store\_id | SMALLINT | Store id number |
| active | BOOLEAN | active |
| username | CHARACTER VARYING (16) | Staff username |
| password | CHARACTER VARYING (40) | password |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| picture | BYTEA | Picture of employee. |
| Film\_actor | Actor\_id (primary key) | SMALLINT | Actor id number |
|  | Fim\_id | SMALLINT | Film id number |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Film\_category | Film\_id (primary key) | SMALLINT | Film id number. |
|  | Category\_id | SMALLINT | Category id number. |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Actor | Actor\_id (primary key) | SERIAL | Actor id number |
|  | First\_name | CHARACTER VARYING (45) | First name |
| Last\_name | CHARACTER VARYING (45) | Last name |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| FILM | Film\_id (primary key) | SERIAL | Film id number. |
|  | Tittle | CHARACTER VARYING (255) | Tittle of film. |
| Description | TEXT | Description of film |
| Release\_year | YEAR | Release year of film |
| Language\_id | SMALLINT | Language id number |
| Rental\_duration | SMALLINT | Rental duration(day) |
| Rental\_rate | NUMBERIC (42) | Rental rate USD |
| Length | SMALLINT | Length of film |
| Replacement\_cost | NUMBERIC (52) | Replacement cost USD |
| Rating | MPAA\_RATING | rating |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Special\_features | TEXT | Special features |
| fulltext | TSVECTOR | fulltext |
| Category | Category\_id (primary key) | SERIAL | Category id number. |
|  | name | CHARACTER VARYING (25) | Name |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Address | Address\_id (primary key) | SERIAL | Address id number |
|  | address | CHARACTER VARYING (50) | Primary address |
| Address2 | CHARACTER VARYING (50) | Secondary address |
| district | CHARACTER VARYING (20) | District |
| City\_id | SMALLINT | City id number |
| Postal\_code | CHARACTER VARYING (10) | Postal code |
| phone | CHARACTER VARYING (20) | Phone number |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Language | Language\_id (primary key) | SERIAL | Language id number |
|  | name | CHARACTER (20) | Name of language |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| City | City\_id (primary key) | SERIAL | City id number |
|  | city | CHARACTER VARYING (50) | City name |
| Country\_id | SMALLINT | Country id number |
| Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |
| Country | Country\_id (primary key) | SERIAL | Country id number |
|  | country | CHARACTER VARYING (50) | Country name. |
|  | Last\_update | TIMESTAMP (6) WITHOUT TIMEZONE | Last update and time without time zone. |