



DATA DICTIONARY

Careerfoundry Task 3.10

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1 Rockbuster Entity Relationship Diagram (ERD)



2 Fact Tables

2.1 Payment Table

| Column Name | Data Type | Description |
|--------------|----------------------------|--------------------------------------|
| Payment_ID | Serial | Primary Key |
| Customer_ID | Integer(smallint) | Foreign Key to Customer table |
| Staff_ID | Integer(smallint) | Foreign Key to Staff table |
| Rental_ID | Integer | Foreign Key to Rental table |
| Amount | Integer (numeric (5,2)) | Payment amount to two decimal places |
| Payment_Date | Timestamp without timezone | Date and time of payment |

2.2 Rental Table

| Column Name | Data Type | Description |
|--------------|----------------------------|------------------------------------|
| Rental_ID | Serial | Primary Key |
| Rental_date | Timestamp without timezone | Date and time movie was rented |
| Inventory_ID | Integer(smallint) | Foreign Key to inventory table |
| Customer_ID | Integer(smallint) | Foreign Key to customer table |
| Return_date | Timestamp without timezone | Date and time movie was returned |
| Staff_ID | Integer(smallint) | Foreign Key to inventory table |
| Last_Update | Timestamp without timezone | Date and time records were updated |

3 Dimension Tables

3.1 Store Table

| Column Name | Data Type | Description |
|------------------|----------------------------|------------------------------------|
| Rental_ID | Serial | Primary Key |
| Store_ID | Integer | Foreign Key to store table |
| Manager_staff_ID | Integer(smallint) | Foreign Key to staff table |
| Address_ID | Integer(smallint) | Foreign Key to address table |
| Last_updated | Timestamp without timezone | Date and time records were updated |

3.2 Film Actor Table

| Column Name | Data Type | Description |
|-------------|----------------------------|--|
| actor_id | Integer(smallint) | Composite Primary Key to identify each actor (Foreign Key to Actor table) |
| Film_id | Integer(smallint) | Composite Primary Key to identify each film (Foreign Key to Film table) |
| Last_update | Timestamp without timezone | Date and time records were updated |

3.3 Inventory Table

| Column Name | Data Type | Description |
|--------------|----------------------------|------------------------------------|
| Inventory_ID | Serial | Primary Key |
| Film_ID | Integer(smallint) | Foreign Key to film table |
| Store_ID | Integer(smallint) | Foreign Key to store table |
| Last_update | Timestamp without timezone | Date and time records were updated |

3.4 Film Category Table

| Column Name | Data Type | Description |
|-------------|----------------------------|--|
| Film_ID | Integer(smallint) | Composite Primary Key to identify each film (Foreign Key to film table) |
| Category_ID | Integer(smallint) | Composite Primary Key to identify each category the film falls into (Foreign Key to Category table) |
| Last_update | Timestamp without timezone | Date and time records were updated |

3.5 Customer Table

| Column Name | Data Type | Description |
|-------------|----------------------------|------------------------------------|
| Customer_ID | Serial | Primary Key |
| Store_ID | Integer(smallint) | Foreign Key to store table |
| First_name | VARCHAR | Text – First name of customer |
| Last_name | VARCHAR | Text – Last name of customer |
| Email | VARCHAR | Text – email address of customer |
| Address_ID | Integer(smallint) | Foreign Key to address table |
| Activebool | Boolean | Yes/No – is the customer active |
| Create_date | Date | Date when customer was recorded |
| Last_update | Timestamp without timezone | Date and time records were updated |
| Active | Integer | If the customer is active or not |

3.6 Staff Table

| Column Name | Data Type | Description |
|-------------|----------------------------|--------------------------------------|
| Staff_ID | Serial | Primary Key |
| First_name | VARCHAR | Text – First name of staff member |
| Last_name | VARCHAR | Text – Last name of staff member |
| Address_id | Integer(smallint) | Foreign Key to address table |
| Email | VARCHAR | Text – email address of staff member |
| Store_id | Integer(smallint) | Foreign Key to store table |
| Active | Integer | If the staff member is active or not |
| Username | VARCHAR | Text – Username of staff member |
| Password | VARCHAR | Text – Password of staff member |
| Last_update | Timestamp without timezone | Date and time records were updated |
| Picture | BYTEA | Picture of staff |

3.7 Actor Table

| Column Name | Data Type | Description |
|-----------------|----------------------------|------------------------------------|
| <u>Actor_ID</u> | Serial | Primary Key |
| First_name | VARCHAR | Text – First name of actor |
| Last_name | VARCHAR | Text – Last name of actor |
| Last_update | Timestamp without timezone | Date and time records were updated |

3.8 Film Table

| Column Name | Data Type | Description |
|------------------|----------------------------|---|
| Film_ID | Serial | Primary Key |
| Title | VARCHAR | Text – Title of the film |
| Description | Text | Text – Description of the film |
| Release_year | Integer | Release year |
| Language_ID | Integer(smallint) | Foreign Key to language table |
| Rental_duration | Integer(smallint) | Duration of rental length |
| Rental_rate | Numeric(4,2) | Rate of rental – two decimal places |
| Length | Integer(smallint) | Length of film |
| Replacement_cost | Numeric(5,2) | Replacement cost |
| Rating | Mpaa_rating | Film Rating |
| Last_update | Timestamp without timezone | Date and time records were updated |
| Special_features | Text | Additional information about the film |
| Fulltxt | tsvector | Additional information about film content |

3.9 Category Table

| Column Name | Data Type | Description |
|-------------|----------------------------|------------------------------------|
| Category_ID | Serial | Primary Key |
| Name | VARCHAR | Text – Category name |
| Last_Update | Timestamp without timezone | Date and time records were updated |

3.10 Address Table

| Column Name | Data Type | Description |
|-------------|----------------------------|------------------------------------|
| Address_ID | Serial | Primary Key |
| Address | VARCHAR | Text – Address information |
| Address 2 | VARCHAR | Text – Address information |
| District | VARCHAR | Text – Address information |
| City_ID | Integer(smallint) | Foreign Key to City table |
| Postal_Code | VARCHAR | Address Information |
| Phone | VARCHAR | Phone Information |
| Last_Update | Timestamp without timezone | Date and time records were updated |

3.11 Language Table

| Column Name | Data Type | Description |
|-------------|----------------------------|------------------------------------|
| Language_ID | Serial | Primary Key |
| Name | VARCHAR | Text - Language of film |
| Last_Update | Timestamp without timezone | Date and time records were updated |

3.12 City Table

| Column Name | Data Type | Description |
|-------------|----------------------------|------------------------------------|
| City_id | Serial | Primary Key |
| City | VARCHAR | Text- City Name |
| Country_id | Integer(smallint) | Foreign Key to Country table |
| Last_update | Timestamp without timezone | Date and time records were updated |

3.13 Country Table

| Column Name | Data Type | Description |
|-------------|----------------------------|------------------------------------|
| Country_ID | Serial | Primary Key |
| Country | VARCHAR | Text- Country Name |
| Last_update | Timestamp without timezone | Date and time records were updated |

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