

ROCKBUSTER

Data Dictionary

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CareerFoundry

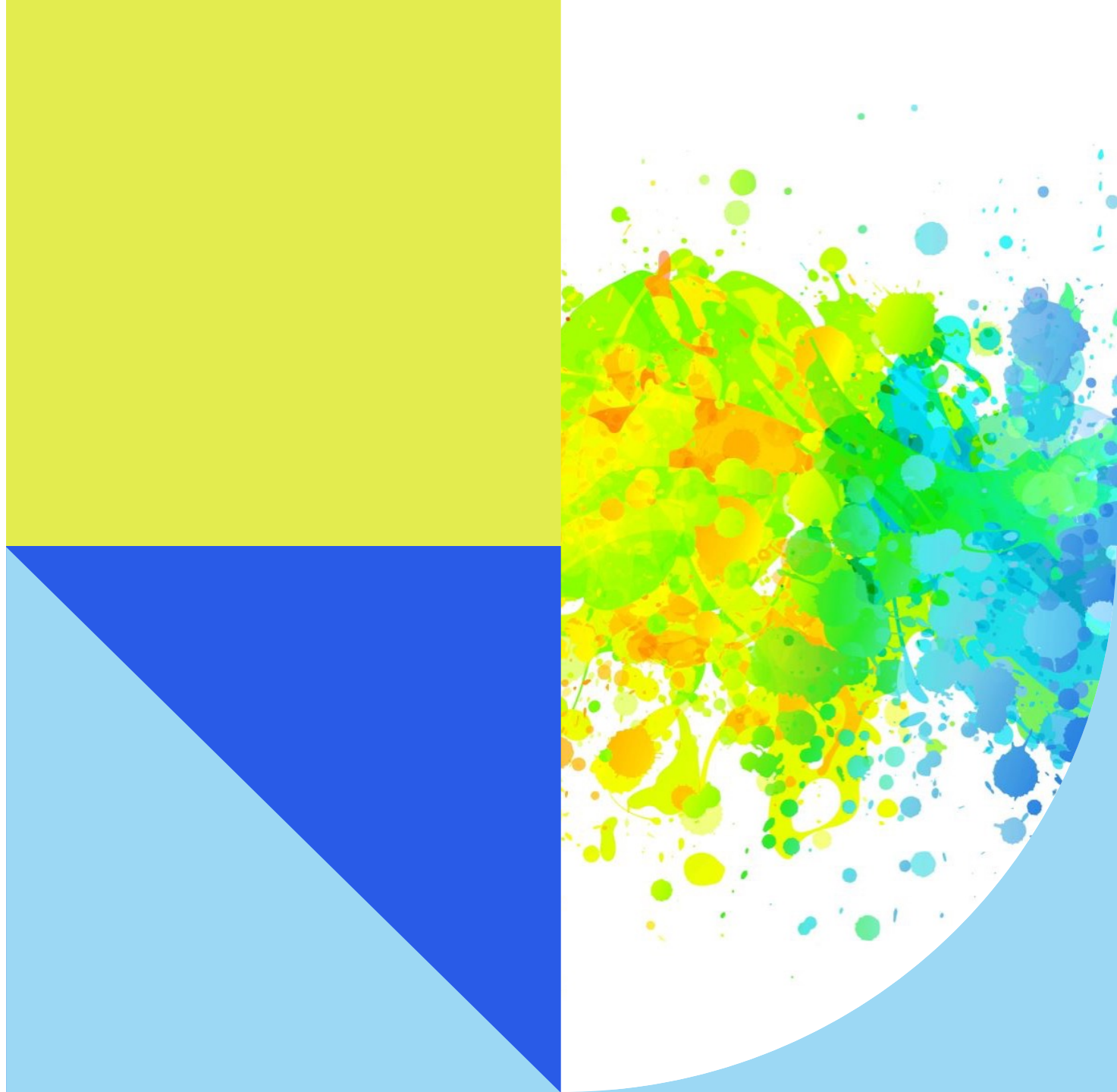


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Table Name	Description	Key Columns	Page Number
1. payment	Records of customer payments for rentals.	payment_id	2
2. rental	Information on film rentals by customers.	rental_id	2
1. actor	Stores information about actors.	actor_id	3
2. address	Contains address details for staff, customers, and stores.	address_id	3
3. category	Holds the different categories of films.	category_id	4
4. city	Lists cities, linked to countries and addresses.	city_id	4
5. country	Contains country information linked to cities.	country_id	4
6. customer	Customer information, including contact details and store interactions.	customer_id	5
7. film	Details of films, including title, description, and rental information.	film_id	5
8. film_actor	Relational table linking actors to films.	actor_id, film_id	6
9. film_category	Relational table linking films to their categories.	film_id, category_id	6
10. inventory	Inventory of films available at stores for rental.	inventory_id	6
11. language	Languages in which films are available.	language_id	7
12. staff	Information about store staff members.	staff_id	7
13. store	Store information, including location and staff management.	store_id	8
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FACT TABLE 1

payment						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	payment_id	integer(32)	Payment Id, integer value		rental.rental_id, customer.customer_id, staff.staff_id	payment_id
FK	customer_id	smallint(16)	Customer Id, integer value		rental.rental_id, customer.customer_id, staff.staff_id	payment_id
FK	staff_id	smallint(16)	Staff Id, integer value		rental.rental_id, customer.customer_id, staff.staff_id	payment_id
FK	rental_id	integer(32)	Rental Id, integer value		rental.rental_id, customer.customer_id, staff.staff_id	payment_id
	amount	numeric(5,2)	Monetary amount charged to customer for rental, numerical, 5 digits total with 2 after the decimal		rental.rental_id, customer.customer_id, staff.staff_id	payment_id
	payment_date	timestamp without time zone(6)	Payment Date, timestamp value		rental.rental_id, customer.customer_id, staff.staff_id	payment_id

FACT TABLE 2

rental						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	rental_id	integer(32)	Rental Id, integer value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id
	rental_date	timestamp without time zone(6)	Rental Date, timestamp value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id
FK	inventory_id	integer(32)	Inventory Id, integer value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id
FK	customer_id	smallint(16)	Customer Id, integer value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id
	return_date	timestamp without time zone(6)	Return Date, timestamp value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id
FK	staff_id	smallint(16)	Staff Id, integer value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	payment.rental_id	inventory.inventory_id, customer.customer_id, staff.staff_id	rental_id

DIMENSION TABLE 1

actor						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	actor_id	integer(32)	Actor Id, integer value	film_actor.actor_id		actor_id
	first_name	character varying(45)	The actor's first name, text with a maximum length of 45 characters	film_actor.actor_id		actor_id
	last_name	character varying(45)	The actor's last name, text with a maximum length of 45 characters	film_actor.actor_id		actor_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	film_actor.actor_id		actor_id

DIMENSION TABLE 2

address						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	address_id	integer(32)	Address Id, integer value	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
	address	character varying(50)	Address line 1, text with a maximum length of 50 characters	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
	address2	character varying(50)	Address line 2, text with a maximum length of 50 characters	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
	district	character varying(20)	District, text with a maximum length of 20 characters	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
FK	city_id	smallint(16)	City Id, integer value	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
	postal_code	character varying(10)	Postal Code, text with a maximum length of 10 characters	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
	phone	character varying(20)	Phone number, text with a maximum length of 20 characters	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	customer.address_id, staff.address_id, store.address_id	city.city_id	address_id

DIMENSION TABLE 3

category						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	category_id	integer(32)	Category Id, integer value	film_category.category_id		category_id
	name	character varying(25)	Name of the category, text with a maximum length of 25 characters	film_category.category_id		category_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	film_category.category_id		category_id

DIMENSION TABLE 4

city						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	city_id	integer(32)	City Id, integer value	address.city_id	country.country_id	city_id
	city	character varying(50)	City name, text with a maximum length of 50 characters	address.city_id	country.country_id	city_id
FK	country_id	smallint(16)	Country Id, integer value	address.city_id	country.country_id	city_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	address.city_id	country.country_id	city_id

DIMENSION TABLE 5

country						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	country_id	integer(32)	Country Id, integer value	city.country_id		country_id
	country	character varying(50)	Country name, text with a maximum length of 50 characters	city.country_id		country_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	city.country_id		country_id

DIMENSION TABLE 6

customer						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	customer_id	integer(32)	Customer Id, integer value	rental.customer_id, payment.customer_id	address.address_id	customer_id
	store_id	smallint(16)	Store Id, integer value	rental.customer_id, payment.customer_id	address.address_id	customer_id
	first_name	character varying(45)	The customer's first name, text with a maximum length of 45 characters	rental.customer_id, payment.customer_id	address.address_id	customer_id
	last_name	character varying(45)	The customer's last name, text with a maximum length of 45 characters	rental.customer_id, payment.customer_id	address.address_id	customer_id
	email	character varying(50)	Email address, text with a maximum length of 50 characters	rental.customer_id, payment.customer_id	address.address_id	customer_id
FK	address_id	smallint(16)	Address Id, integer value	rental.customer_id, payment.customer_id	address.address_id	customer_id
	activebool	boolean	Activebool, boolean value (true or false)	rental.customer_id, payment.customer_id	address.address_id	customer_id
	create_date	date(3)	Create Date, date value	rental.customer_id, payment.customer_id	address.address_id	customer_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	rental.customer_id, payment.customer_id	address.address_id	customer_id
	active	integer(32)	Active, integer value	rental.customer_id, payment.customer_id	address.address_id	customer_id

DIMENSION TABLE 7

film						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	film_id	integer(32)	Film Id, integer value	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	title	character varying(255)	Title of the film, text with a maximum length of 255 characters	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	description	text	Description of the film, text (no limit)	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	release_year	integer(32)	The year the film was released, integer value	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
FK	language_id	smallint(16)	Language Id, integer value	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	rental_duration	smallint(16)	Rental Duration, integer value	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	rental_rate	numeric(4,2)	Rental Rate, numerical, 4 digits total with 2 after the decimal	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	length	smallint(16)	The length of the film, integer value	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	replacement_cost	numeric(5,2)	The cost of replacing the film, numerical, 5 digits total with 2 after the decimal	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	rating	USER-DEFINED	The rating of the film	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	special_features	ARRAY	Special features related to the film	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id
	fulltext	tsvector	The full list of keywords related to the film	film_actor.film_id, film_category.film_id, inventory.film_id	language.language_id	film_id

DIMENSION TABLE 8

film_actor						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
FK,PK	actor_id	smallint(16)	Actor Id, integer value	actor.actor_id, film.film_id		actor_id, film_id
FK,PK	film_id	smallint(16)	Film Id, integer value	actor.actor_id, film.film_id		actor_id, film_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	actor.actor_id, film.film_id		actor_id, film_id

DIMENSION TABLE 9

film_category						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
FK,PK	film_id	smallint(16)	Film Id, integer value	film.film_id, category.category_id		film_id, category_id
FK,PK	category_id	smallint(16)	Category Id, integer value	film.film_id, category.category_id		film_id, category_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	film.film_id, category.category_id		film_id, category_id

DIMENSION TABLE 10

inventory						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	inventory_id	integer(32)	Inventory Id, integer value	rental.inventory_id	film.film_id, store.store_id	inventory_id
FK	film_id	smallint(16)	Film Id, integer value	rental.inventory_id	film.film_id, store.store_id	inventory_id
	store_id	smallint(16)	Store Id, integer value	rental.inventory_id	film.film_id, store.store_id	inventory_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	rental.inventory_id	film.film_id, store.store_id	inventory_id

DIMENSION TABLE 11

language						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	language_id	integer(32)	Language Id, integer value	film.language_id		language_id
	name	character(20)	Name of the language, text with maximum length of 20 characters	film.language_id		language_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	film.language_id		language_id

DIMENSION TABLE 12

staff						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	staff_id	integer(32)	Staff Id, integer value	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	first_name	character varying(45)	The staff member's first name, text with a maximum length of 45 characters	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	last_name	character varying(45)	The staff member's last name, text with a maximum length of 45 characters	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
FK	address_id	smallint(16)	Address Id, integer value	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	email	character varying(50)	Email address, text with a maximum length of 50 characters	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	store_id	smallint(16)	Store Id, integer value	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	active	boolean	Active, boolean value (true or false)	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	username	character varying(16)	Username, text with a maximum length of 16 characters	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	password	character varying(40)	Password, text with a maximum length of 40 characters	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id
	picture	bytea	Picture of the staff member	rental.staff_id, payment.staff_id, store.manager_staff_id	address.address_id	staff_id

DIMENSION TABLE 13

store						
Key	Column Name	Data Type	Description	Links To	Links From	Unique Keys
PK	store_id	integer(32)	Store Id, integer value	inventory.store_id	staff.store_id, address.address_id	store_id
FK	manager_staff_id	smallint(16)	Manager of the staff's Id, integer value	inventory.store_id	staff.store_id, address.address_id	store_id
FK	address_id	smallint(16)	Address Id, integer value	inventory.store_id	staff.store_id, address.address_id	store_id
	last_update	timestamp without time zone(6)	Time of the last update, timestamp value	inventory.store_id	staff.store_id, address.address_id	store_id

Appendix A

