

ROCKBUSTER STEALTH LLC

DATA DICTIONARY



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CareerFoundry | Data Analytics Immersion: 3.10

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1.ROCKBUSTER STEALTH LLC

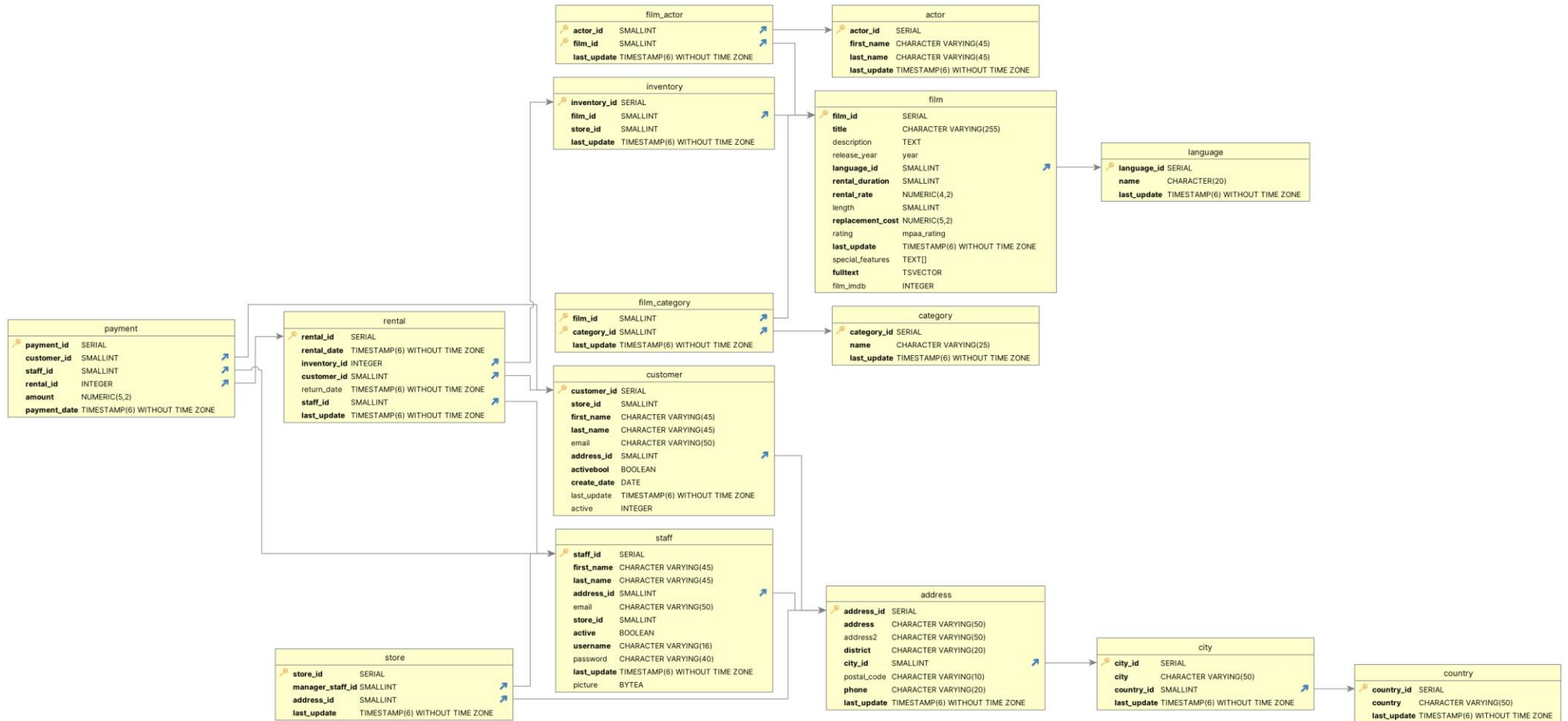
This is a data dictionary documentation for ROCKBUSTER STEALTH LLC in a PostgreSQL database.

The ROCKBUSTER STEALTH LLC database supports standard online transaction processing for video rental transactions at a few stores globally. Rockbuster used to have locations but is now considering online movie rentals via streaming.

You can download the ROCKBUSTER STEALTH LLC database here:





[Download the Rockbuster data set](#)

2. ROCKBUSTER ERD: ENTITY RELATIONSHIP DIAGRAM¹







¹ This database has a snowflake schema. The fact table, 4.1 PAYMENT and 4.2 RENTAL is what stores information about the events. It is surrounded by dimension tables and sub-tables, which store information about the entities involved in events

3. LEGEND




	Primary Key		Links To
	Foreign Key		Links From

4. FACT TABLES²



4.1. TABLE: PAYMENT

	COLUMN	DATA TYPE	DESCRIPTION
	payment_id	serial	primary key, unique identifier of payment
	customer_id	smallint	foreign key, unique identifier of customer
	staff_id	smallint	foreign key, unique identifier of staff
	rental_id	Integer	foreign key, unique identifier of rental
	amount	numeric (5,2)	price of rental
	payment_date	timestamp (6) without time zone	date and time of payment (no time zone)

Links To:

	TABLE	JOIN
	rental	payment.rental_id=rental.rental_id
	customer	payment.customer_id=customer.customer_id
	staff	payment.staff_id=staff.staff_id

4.2 TABLE: RENTAL

	COLUMN	DATA TYPE	DESCRIPTION
	rental_id	serial	primary key, unique identifier of rental
	rental_date	timestamp (6) without time zone	date and time of rental date (no time zone)
	inventory_id	integer	foreign key, unique identifier of inventory

² Fact tables store information about events.

	COLUMN	DATA TYPE	DESCRIPTION
↔	customer_id	smallint	foreign key, unique identifier of customer
	return_date	timestamp (6) without time zone	date and time of rental return (no time zone)
↔	staff_id	smallint	foreign key, unique identifier of staff
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	inventory	rental.inventory_id=rental.rental_id
↗	customer	rental.customer_id=customer.customer_id
↗	staff	rental.staff_id=staff.staff_id

Links From:

	TABLE	JOIN
↙	payment	payment.rental_id=rental.rental_id

5. DIMENSION TABLES³

5.1 TABLE: STORE

	COLUMN	DATA TYPE	DESCRIPTION
🔒	store_id	serial	primary key, unique identifier of store
↔	manager_staff_id	smallint	foreign key, unique identifier of manager staff
↔	address_id	smallint	foreign key, unique identifier of address
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

³ Dimension tables store information about the entities involved in the events from Fact tables.

Links To:

	TABLE	JOIN
↗	address	store.address_id=address.address_id
↗	staff	store.staff_id=staff.staff_id

5.2 TABLE: STAFF

	COLUMN	DATA TYPE	DESCRIPTION
🔒	store_id	serial	primary key, unique identifier of store
↔	manager_staff_id	smallint	foreign key, unique identifier of manager staff
↔	address_id	smallint	foreign key, unique identifier of address
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	address	staff.address_id=address.address_id

Links From:

	TABLE	JOIN
↙	rental	rental.staff_id=staff.staff_id
↙	store	store.manager_staff_id=staff.staff_id
↙	payment	payment.staff_id=staff.staff_id

5.3 TABLE: CUSTOMER

	COLUMN	DATA TYPE	DESCRIPTION
🔒	customer_id	serial	primary key, unique identifier of a customer record
↔	store_id	smallint	foreign key, unique identifier of store

	COLUMN	DATA TYPE	DESCRIPTION
	first_name	character varying (45)	first name
	last_name	character varying (45)	last name
	email	character varying (50)	email
↔	address_id	smallint	foreign key, address
	activebool	boolean	binary indicator of active/inactive (true/false)
	username	character varying (16)	username
	create_date	date	date customer was created
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)
	active	integer	active status of customer (0=No 1=Yes)

Links To:

	TABLE	JOIN
↗	address	customer.address_id=address.address_id

Links From:

	TABLE	JOIN
↙	rental	rental.customer_id=customer.customer_id
↙	payment	payment.customer_id=customer.customer_id

5.4 TABLE: ADDRESS

	COLUMN	DATA TYPE	DESCRIPTION
🔒	address_id	serial	primary key, unique identifier of address record
	address	character varying (50)	address
	address2	character varying (50)	address, second line if needed

	COLUMN	DATA TYPE	DESCRIPTION
	district	character varying (20)	district
↔	city_id	smallint	foreign key, unique identifier of city
	postal_code	character varying (10)	post/zip code
	phone	character varying (20)	phone number
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	city	address.city_id=city.city_id

Links From:

	TABLE	JOIN
↙	store	store.address_id=address.address_id
↙	staff	staff.address_id=address.address_id
↙	customer	customer.address_id=address.address_id

5.5 TABLE: CITY

	COLUMN	DATA TYPE	DESCRIPTION
🔒	city_id	serial	primary key, unique identifier of city
	city	character varying (50)	city
↔	country_id	smallint	foreign key, unique identifier of country
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	country	city.country_id=country.country_id

Links From:

	TABLE	JOIN
↙	address	address.city_id=city.city_id

5.6 TABLE: COUNTRY

	COLUMN	DATA TYPE	DESCRIPTION
🔒	country_id	serial	primary key, unique identifier of country
	country	character varying (50)	country
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links From:

	TABLE	JOIN
↙	city	city.country_id=country.country_id

5.7 TABLE: FILM_CATEGORY

	COLUMN	DATA TYPE	DESCRIPTION
↔	film_id	smallint	foreign key, unique identifier of film
↔	category_id	smallint	foreign key, unique identifier of category
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	film	film_category.film_id=film.film_id
↗	category	film_category.category_id=category.category_id

5.8 TABLE: CATEGORY

	COLUMN	DATA TYPE	DESCRIPTION
🔒	category_id	serial	primary key, unique identifier of category
	name	character varying (25)	category name
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links From:

	TABLE	JOIN
↙	film_category	film_category.category_id=category.category_id

5.9 TABLE: INVENTORY

	COLUMN	DATA TYPE	DESCRIPTION
	inventory_id	serial	unique identifier of inventory
↔	film_id	smallint	foreign key, unique identifier of film
↔	store_id	smallint	foreign key, unique identifier of store
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	film	inventory.film_id=film.film_id

Links From:

	TABLE	JOIN
↙	rental	rental.inventory_id=inventory.inventory_id

5.10 TABLE: FILM

	COLUMN	DATA TYPE	DESCRIPTION
🔒	film_id	serial	primary key, unique identifier of film
	title	character varying (255)	film title
	description	text	film description
	release_year	year	year the film released
↔	language_id	smallint	foreign key, unique identifier of language
	rental_duration	smallint	rental duration in days
	rental_rate	numeric (4,2)	Rental rate/price : 4 digits, 2 for decimal (ex: 10.00)
	length	smallint	length of film in minutes
	replacement_cost	numeric (5,2)	replacement cost: 5 digits, 2 for decimal (ex: 100.00)
	rating	mpaa_rating	motion picture association film rating
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)
	special_features	text []	text of any movie special features
	fulltext	tsvector	vector of terms for full text search in a database

Links To:

	TABLE	JOIN
↗	language	film.language_id=language.language_id

Links From:

	TABLE	JOIN
↙	inventory	inventory.film_id=film.film_id
↙	film_actor	film_actor.film_id=film.film_id
↙	film_category	film_category.film_id=film.film_id

5.11 TABLE: LANGUAGE

	COLUMN	DATA TYPE	DESCRIPTION
🔒	language_id	serial	primary key, unique identifier of language
	name	character (20)	language name
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links From:

	TABLE	JOIN
↙	film	film.language_id=language.language_id


5.12 TABLE: FILM_ACTOR

	COLUMN	DATA TYPE	DESCRIPTION
↔	actor_id	smallint	foreign key, unique identifier of actor
↔	film_id	smallint	foreign key, unique identifier of film
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links To:

	TABLE	JOIN
↗	actor	film_actor.actor_id=actor.actor_id
↗	film	film_actor.film_id=film.film_id

5.13 TABLE: ACTOR

	COLUMN	DATA TYPE	DESCRIPTION
	actor_id	serial	primary key, unique identifier of actor
	first_name	character varying (45)	actor first name
	last_name	character varying (45)	actor last name
	last_update	timestamp (6) without time zone	date and time of last update (no time zone)

Links From:

	TABLE	JOIN
	film_actor	film_actor.actor_id=actor.actor_id