

Rockbuster Stealth LLC

DATA DICTIONARY

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Entity Relationship Diagram

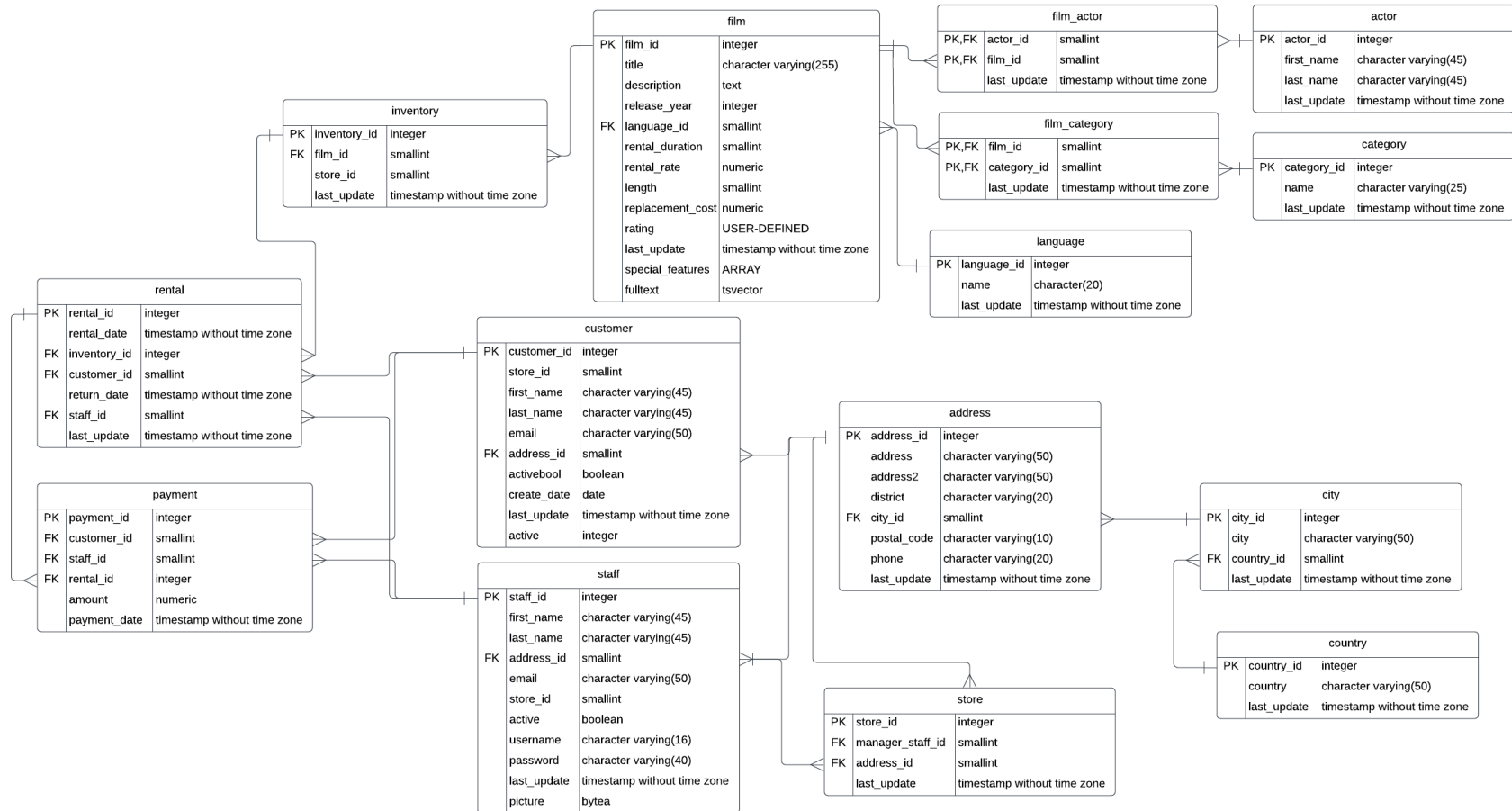


Table Legend

Abbreviation	Meaning
PK	Primary Key – unique identifier
FK	Foreign Key – refers to primary key in another table

Fact Table

Rental

Table	ID	Columns	Data Type	Description
Rental	PK	rental_id	integer	rental id number
		rental_date	timestamp	date of the rental w/o time zone indicated
	FK	inventory_id	integer	inventory id number
	FK	customer_id	smallint	customer id number
		return_date	timestamp	date when the rental was returned, w/o time zone indicated
	FK	staff_id	smallint	staff id number
		last_update	timestamp	date of when the rental was last updated

Links to tables:

- Payment – FK via rental_id
- Inventory – FK via inventory_id
- Customer – FK via customer_id
- Staff – FK via staff_id

Dimension Tables

Payment

Table	ID	Columns	Data Type	Description
Payment	PK	payment_id	integer	payment id number
	FK	customer_id	smallint	customer id number
	FK	staff_id	smallint	staff id number
	FK	rental_id	integer	rental id number
		amount	numeric	cost of the rental
		payment_date	timestamp	date and time of when the payment of the rental occurred

Links to tables:

- Rental – FK via rental_id
- Customer – FK via customer_id
- Staff – FK via staff_id

Customer

Table	ID	Columns	Data Type	Description
Customer	PK	customer_id	integer	customer id number
		store_id	smallint	store id number
		first_name	character varying(45)	first name of customer
		last_name	character varying(45)	last name of customer
		email	character varying(50)	customers email address
	FK	address_id	smallint	email address id number
		activebool	boolean	active boolean
		create_date	date	date of customer creation
		last_update	timestamp	date and time of last update
		active	integer	integer to denote if customer is active or not

Links to tables:

- Address– FK via address_id
- Payment – FK via customer_id
- Staff – FK via address_id

Staff

Table	ID	Columns	Data Type	Description
staff	PK	staff_id	integer	staff id number
		first_name	character varying(45)	first name of staff
		last_name	character varying(45)	last name of staff
	FK	address_id	smallint	address id number
		email	character varying(50)	staff email address
		activebool	boolean	active boolean
		username	character varying(16)	staff username
		password	character varying(40)	password
		last_update	timestamp	date and time of last update
		picture	bytea	picture of employee

Links to tables:

- Address– FK via address_id
- Customer– FK via customer_id
- Store – FK via address_id
- Payment – FK via staff_id

Address

Table	ID	Columns	Data Type	Description
address	PK	address_id	integer	address id number
		address	character varying(50)	primary address
		address2	character varying(50)	secondary address
		district	character varying(20)	city/state name
	FK	city_id	smallint	city id number
		postal_code	character varying(10)	postal code
		phone	character varying(20)	phone number
		last_update	timestamp	date and time of last update

Links to tables:

- City – FK via city_id
- Customer– FK via address_id
- Staff – FK via address_id
- Store – FK via address_id

Store

Table	ID	Columns	Data Type	Description
store	PK	store_id	integer	store id number
	FK	manager_staff_id	smallint	manager staff id number
	FK	address_id	smallint	address id number
		last_update	timestamp	date and time of last update

Links to tables:

- Address – FK via address_id
- Store – FK via address_id

City

Table	ID	Columns	Data Type	Description
city	PK	city_id	integer	city id number
		city	character varying(50)	city name
	FK	country_id	smallint	country id number
		last_update	timestamp	date and time of last update

Links to tables:

- Address – FK via city_id
- Country – FK via country_id

Country

Table	ID	Columns	Data Type	Description
country	PK	country_id	integer	country id number
		country	character varying(50)	country name
		last_update	timestamp	date and time of last update

Links to tables:

- City – FK via country_id

Inventory

Table	ID	Columns	Data Type	Description
inventory	PK	inventory_id	integer	inventory id number
	FK	film_id	smallint	film id number
		store_id	smallint	store id number
		last_update	timestamp	date and time of last update

Links to tables:

- Rental – FK via inventory_id
- Film – FK via film_id

Film

Table	ID	Columns	Data Type	Description
film	PK	film_id	integer	film id number
		title	character varying(50)	movie title
		description	text	short description of movie plot
		release_year	integer	release year
	FK	language_id	smallint	language id number
		rental_duration	smallint	# of days title was rented
		rental_rate	numeric	cost of movie rental
		length	smallint	length of movie in minutes
		replacement_cost	numeric	cost to replace rental movie
		rating	USER-DEFINED	maturity rating of the movie
		last_update	timestamp	date and time of last update
		special_features	ARRAY	additional features in the movie rental
		fulltext	tsvector	descriptive words to identify movie type and genre

Links to tables:

- Inventory – FK via film_id
- Film_actor – FK via film_id
- Film_category – FK via film_id
- Language – FK via language_id

Film_actor

Table	ID	Columns	Data Type	Description
film_actor	PK,FK	actor_id	smallint	actor id number
	PK,FK	film_id	smallint	film id number
		last_update	timestamp	date and time of last update

Links to tables:

- Film – FK via film_id
- Actor – FK via actor_id

Film_category

Table	ID	Columns	Data Type	Description
film_category	PK,FK	film_id	smallint	film id number
	PK,FK	category_id	smallint	category id number
		last_update	timestamp	date and time of last update

Links to tables:

- Film – FK via film_id
- Category – FK via category_id

Language

Table	ID	Columns	Data Type	Description
language	PK	language_id	integer	language id number
		name	character(20)	what language the movie is in
		last_update	timestamp	date and time of last update

Links to tables:

- Film – FK via language_id

Actor

Table	ID	Columns	Data Type	Description
actor	PK	actor_id	integer	actor id number
		first_name	character varying(45)	first name of actor
		last_name	character varying(45)	last name of actor
		last_update	timestamp	date and time of last update

Links to tables:

- Film_actor – FK via actor_id

Category

Table	ID	Columns	Data Type	Description
category	PK	category_id	integer	category id number
		name	character varying(25)	genre of movie
		last_update	timestamp	date and time of last update

Links to tables:

- Film_actor – FK via actor_id