

# ROCKBUSTER STEALTH

DATA DICTIONARY

Catherine Mikelson

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# ENTITY RELATIONSHIP DIAGRAM



## FACT TABLES:

PK – Primary Key

FK – Foreign Key

### RENTAL

Key	Columns	Data Type	Description
PK	rental_id	SERIAL	unique id assigned to each rental
	rental_date	TIMESTAMP	date and time of rental
FK	inventory_id	INTEGER	inventory id number
FK	customer_id	SMALLINT	customer id number
	return_date	TIMESTAMP	date and time of rental return
FK	staff_id	SMALLINT	number assigned to represent staff member
	last_update	TIMESTAMP	date and time of last status update

Links to: Payment via PK rental\_id; Inventory via FK inventory\_id; Customer via FK customer\_id; Staff via FK staff\_id

### PAYMENT

Key	Columns	Data Type	Description
PK	payment_id	SERIAL	unique id number associated with each payment
FK	customer_id	SMALLINT	unique number assigned to each customer
FK	staff_id	SMALLINT	number assigned to represent staff member
FK	rental_id	INTEGER	unique id assigned to each rental
	amount	NUMERIC(5,2)	cost of rental X.XX
	payment_date	TIMESTAMP(6)	date and time of payment

Links to: Customer via FK customer\_id; Staff via FK staff\_id; Rental via FK rental\_id

## INVENTORY

Key	Columns	Data Type	Description
PK	inventory_id	SERIAL	inventory id number
FK	film_id	SMALLINT	film id number
	store_id	SMALLINT	store id number
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Rental via PK inventory\_id; Film and Film\_Category via film\_id

## FILM CATEGORY

Key	Columns	Data Type	Description
PK, FK	film_id	SMALLINT	film id number
PK, FK	category_id	SMALLINT	category id number
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Inventory via PK/FK film\_id; Category via PK/FK category\_id

## CATEGORY

Key	Columns	Data Type	Description
PK	category_id	SERIAL	category id number
	name	CHARACTER VARYING (25)	category/genre
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Film\_Category via PK category\_id

## FILM\_ACTOR

Key	Columns	Data Type	Description
PK, FK	actor_id	SMALLINT	actor id number
PK, FK	film_id	SMALLINT	film id number
	last_update	TIMESTAMP	date and time of last status update

Links to: Actor via PK/FK actor\_id; Inventory, Film and Film\_Category via film\_id

## ACTOR

Key	Columns	Data Type	Description
PK	actor_id	SERIAL	actor id number
	first_name	CHARACTER VARYING (45)	first name of actor
	last_name	CHARACTER VARYING (45)	last name of actor
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Film\_Actor via PK actor\_id

## FILM

Key	Columns	Data Type	Description
PK	film_id	SERIAL	film id number
	title	CHARACTER VARYING (255)	film title
	description	TEXT	brief description of film
	release_year	YEAR	year the film was released
FK	language_id	SMALLINT	language id number
	rental_duration	SMALLINT	duration of rentals
	rental_rate	NUMERIC(4, 2)	cost of rental
	length	SMALLINT	length of film
	replacement_cost	NUMERIC(5, 2)	cost to replace film
	rating		film rating (ex. PG)
	last_update	TIMESTAMP(6)	date and time of last status update
	special_features	NPAA_RATING	special features included in rental
	full_text	TSVECTOR	full text

Links to: Film\_Actor, Inventory and Film\_Category via film\_id; Language via language\_id

## LANGUAGE

Key	Columns	Data Type	Description
PK	language_id	SERIAL	language id number
	name	CHARACTER VARYING (20)	language name
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Film via PK language\_id

## STAFF

Key	Columns	Data Type	Description
PK	staff_id	SERIAL	staff id number
	first_name	CHARACTER VARYING (45)	first name of staff member
	last_name	CHARACTER VARYING (45)	last name of staff member
FK	address_id	SMALLINT	address id number
	email	CHARACTER VARYING (50)	employee email
	store_id	SMALLINT	store id number
	active	BOOLEAN	active staff member (true/false)
	username	CHARACTER VARYING (16)	staff username
	password	CHARACTER VARYING (40)	staff password
	last_update	TIMESTAMP(6)	date and time of last status update
	picture	BYTEA	

Links to: Payment, Rental and Store via PK staff\_id; Address via FK address\_id

## STORE

Key	Columns	Data Type	Description
PK	store_id	SERIAL	store id number
FK	manager_staff_id	SMALLINT	manager id number
FK	address_id	SMALLINT	address id number
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Staff via FK staff\_id; Address via FK address\_id



## CUSTOMER

Key	Columns	Data Type	Description
PK	customer_id	SERIAL	customer id number
	store_id	SMALLINT	store id number
	first_name	CHARACTER VARYING (45)	customer first name
	last_name	CHARACTER VARYING (45)	customer last name
	email	CHARACTER VARYING (50)	customer email address
FK	address_id	SMALLINT	address id number
	activebool	BOOLEAN	active customer (true/false)
	create_date	DATE	date customer was created
	last_update	TIMESTAMP(6)	date and time of last status update
	active	INTEGER	active

Links to: Rental and Payment via PK customer\_id; Address via FK address\_id

## ADDRESS

Key	Columns	Data Type	Description
PK	address_id	SERIAL	address id number
	address	CHARACTER VARYING (50)	street address line 1
	address2	CHARACTER VARYING (50)	street address line 2
	district	CHARACTER VARYING (20)	district name
FK	city_id	SMALLINT	city id number
	postal_code	CHARACTER VARYING (10)	postal code
	phone	CHARACTER VARYING (20)	phone number
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Store, Staff and Customer via PK address\_id; City via FK city\_id

## CITY

Key	Columns	Data Type	Description
PK	city_id	SERIAL	city id number
	city	CHARACTER VARYING	city name
FK	country_id	SMALLINT	country id number
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: Address via PK city\_id; Country via FK country\_id

## COUNTRY

Key	Columns	Data Type	Description
PK	country_id	SERIAL	country id number
	country	CHARACTER VARYING (50)	country name
	last_update	TIMESTAMP(6)	date and time of last status update

Links to: City via PK country\_id