

Rockbuster Stealth LLC

Data Dictionary

Julia Reeves



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Entity Relationship Diagram



Legend



Primary key



Foreign key







Links TO another table




Links FROM another table

Rental:





	Columns	Data Type	Description
	rental_id	SERIAL	Unique ID number for each rental instance
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp with exact date and time of rental
	inventory_id	INTEGER	Unique number identifying each rental item in inventory
	customer_id	SMALLINT	Unique ID number for customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Timestamp with exact date and time of rental return
	staff_id	SMALLINT	Unique number identifying each staff
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated

Connections:




	Table	Connection
	Staff	rental.staff_id=staff.staff_id

⇒	Customer	<code>rental.customer_id=customer.customer_id</code>
⇐	Inventory	<code>rental.inventory_id=inventory.inventory_id</code>
⇐	Payment	<code>rental.rental_id=payment.rental_id</code>




Payment:

	Columns	Data Type	Description
	payment_id	SERIAL	Unique ID number for each payment
	customer_id	SMALLINT	Unique ID number for each customer
	staff_id	SMALLINT	Unique ID number for each staff
	rental_id	INTEGER	Unique ID number for each rental instance
	amount	NUMERIC(5,2)	Amount of payment in USD
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Year, day, month, and exact time of payment



Connections:

	Table	Connection
	Customer	payment.customer_id=customer.customer_id
	Staff	payment. staff_id=staff.staff_id
	Rental	payment.rental_id=rental.rental_id



Store:

	Columns	Data Type	Description
	store_id	SERIAL	Unique ID number for each store location
	manager_staff_id	SMALLINT	Unique ID number for each store manager
	address_id	SMALLINT	Unique ID number for each address (e.g. customers or stores)
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated



Connections:

	Table	Connection
	Address	store.address_id=address.address_id
	Staff	staff.staff_id=store.manager_staff_id




Film_actor:

	Columns	Data Type	Description
	actor_id	SMALLINT	Unique ID number for each film actor
	film_id	SMALLINT	Unique ID number for each film title
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated




Connections:

	Table	Connection
	Film	film_actor.film_id=film.film_id
	Actor	film_actor.actor_id=actor.actor_id



Inventory:

	Columns	Data Type	Description
	inventory_id	INTEGER	Unique number identifying each rental item in inventory
	film_id	SMALLINT	Unique ID number for each film title
	store_id	SMALLINT	Unique ID number for each store
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated



Connections:

	Table	Connection
	Film	inventory.film_id=film.film_id
	Store	inventory.store_id=store.store_id
	Rental	inventory.inventory_id=rental.inventory_id




Film_category:

	Columns	Data Type	Description
	film_id	SMALLINT	Unique ID number for each film title
	category_id	SMALLINT	Unique ID number for each film category
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated

Connections:

	Table	Connection
	Film	film_category.category_id=category.category_id
	Category	film_category.film_id=film.film_id




Customer:

	Columns	Data Type	Description
	customer_id	SMALLINT	Unique ID number for each customer
	store_id	SERIAL	Unique ID number for each store location
	first_name	CHARACTER VARYING(45)	Customer's first name
	last_name	CHARACTER VARYING(45)	Customer's last name
	email	CHARACTER VARYING(50)	Customer's email address
	address_id	SMALLINT	Unique ID number for each address (e.g. customers or stores)
	activebool	BOOLEAN	True or False for if customer is currently active in system
	create_date	DATE	Date of customer's account creation
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated
	active	INTEGER	0 or 1 indicating customer's active status

Connections:

	Table	Connection
⇒	Address	rental.staff_id=staff.staff_id
⇒	Store	rental.customer_id=customer.customer_id
⇐	Rental	rental.inventory_id=inventory.inventory_id
⇐	Payment	rental.rental_id=payment.rental_id

Staff:


	Columns	Data Type	Description
	staff_id	SMALLINT	Unique ID number for each staff
	first_name	CHARACTER VARYING(45)	Staff member's first name
	last_name	CHARACTER VARYING(45)	Staff member's last name
	address_id	SMALLINT	Unique ID number for each address (e.g. customers or stores)
	email	CHARACTER VARYING(50)	Staff member's email address
	store_id	SERIAL	Unique ID number for each store location
	activebool	BOOLEAN	True or False for if staff member is currently active in system
	username	CHARACTER VARYING(16)	Staff member username
	password	CHARACTER VARYING(40)	Staff member password
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated

	picture	BYTEA	Staff member's photo
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Connections:

	Table	Connection
⇒	Address	staff.address_id=address.address_id
⇒	Store	staff.store_id=store.store_id
⇒	Rental	rental.rental_id=staff.rental_id
⇒	Payment	payment.staff_id=staff.staff_id



Actor:

	Columns	Data Type	Description
	actor_id	SMALLINT	Unique ID number for each film actor
	first_name	CHARACTER VARYING(45)	Actor's first name
	last_name	CHARACTER VARYING(45)	Actor's last name
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated

Connections:

	Table	Connection
	Film_actor	actor.actor_id=film_actor.actor_id

Film:


	Columns	Data Type	Description
	film_id	SMALLINT	Unique ID number for each film title
	title	CHARACTER VARYING(255)	Film title
	description	TEXT	Film description
	release_year	year	Film's release year
	language_id	SMALLINT	Film's language
	rental_duration	SMALLINT	Length of rental in days
	rental_rate	NUMERIC(4,2)	Price of rental in USD
	length	SMALLINT	Film length in minutes
	replacement_cost	NUMERIC(5,2)	Cost to replace lost rental unit in USD
	rating	mpaa_rating	Film rating issued by MPAA
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated
	special_features	TEXT[]	Film's accompanying special features

	fulltext	TSVECTOR	Text search vectors for full film text searches
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Connections:

	Table	Connection
⇒	Language	film.language_id=language.language_id
⇐	Film_actor	film.film_id=film_actor.film_id
⇐	Film_category	film.film_id=film_category.film_id
⇐	Inventory	film.film_id=inventory.film_id


Category:

	Columns	Data Type	Description
	category_id	SERIAL	Unique ID number for each film category
	name	CHARACTER VARYING(25)	Film category name
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated


Connections:

	Table	Connection
	Film_category	category.category_id=film_category.category_id



Language:

	Columns	Data Type	Description
	language_id	SERIAL	Unique ID number for each film language
	name	CHARACTER(20)	Film language name
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated



Connections:

	Table	Connection
	Film	film.language_id=language.language_id


City:

	Columns	Data Type	Description
	city_id	SERIAL	Unique ID number for each city
	city	CHARACTER VARYING (50)	City name
	country_id	SMALLINT	Unique ID number for each country
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated


Connections:

	Table	Connection
	Country	city.country_id=country.country_id
	Address	city.city_id=address.city_id

Country:

	Columns	Data Type	Description
	country_id	SERIAL	Unique ID number for each country
	country	CHARACTER VARYING (50)	Country name
	last_update	TIMESTAMP(6) WITHOUT TIMEZONE	Timestamp for the exact date and time the table was last updated

Connections:

	Table	Connection
	City	city.country_id=country.country_id