

ROCKBUSTER STEALTH LLC

Data Dictionary



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1 Entity Relationship Diagram (ERD)



2 Legend







Primary Key (PK)



Foreign Key (FK)

3.1 Rental Table

Key	Column	Data Type	Description
	rental_id	SERIAL	Rental Serial #
	rental_date	TIMESTAMP(6)WITHOUT TIME ZONE	Date of rental
	inventory_id	INTEGER	# allocated to rental inventory
	customer_id	SMALLINT TIMESTAMP(6)WITHOUT TIME ZONE	Customer ID #
	return_date	SMALLINT TIMESTAMP(6)WITHOUT TIME ZONE	Date returned
	staff_id	SMALLINT	Staff ID #
	last_update	SMALLINT TIMESTAMP(6)WITHOUT TIME ZONE	Date last updated





Linked To

Table	Join
inventory	ON rental.inventory_id (FK) = inventory.inventory_id (PK)
customer	ON rental.customer_id (FK) = customer.customer_id (PK)
staff	ON rental.staff_id (FK) = staff.staff_id (PK)

Linked From

Table	Join
payment	ON rental.rental (PK) = payment.rental_id (FK)

3.2 *Payment Table*

Key	Column	Data Type	Description
	payment_id	SERIAL	Payment Serial #
	customer_id	SMALLINT	Customer ID #
	staff_id	SMALLINT	Staff ID #
	rental_id	INTEGER	Rental serial #
	amount	NUMERIC(5,2)	Amount paid
	payment_date	TIMESTAMP(6)WITHOUT TIME ZONE	Date of payment



Linked To

Table	Join
customer	ON payment.customer_id (FK) = customer.customer_id (PK)
staff	ON payment.staff_id (FK) = staff.staff_id (PK)
rental	ON payment.rental_id (FK) = rental.rental_id (FK)

Linked From

Table	Join
N/A	N/A

3.3 *Film_Actor Table*

Key	Column	Data Type	Description
	actor_id	SMALLINT	Payment Serial #
	film_id	SMALLINT	Customer ID #
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated




Linked To

Table	Join
actor	ON film_actor.actor_id (FK) = actor.actor_id (PK)
film	ON film_actor.film_id (FK) = film.film_id (PK)

Linked From

Table	Join
N/A	N/A

3.4 *Inventory Table*

Key	Column	Data Type	Description
	inventory_id	SERIAL	Inventory serial #
	film_id	SMALLINT	Film serial #
	store_id	SMALLINT	Store's ID #
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated


Linked To

Table	Join
film	ON inventory.film_id (FK) = film.film_id (PK)

Linked From

Table	Join
rental	ON inventory.inventory_id (PK) = rental.inventory_id (FK)
store	ON store.store_id (PK) = inventory.store_id (FK)

3.5 Actor Table

Key	Column	Data Type	Description
	actor_id	SERIAL	Actor's ID #
	first_name	CHARACTER VARYING(45)	Actor's first name
	last_name	CHARACTER VARYING(45)	Actor's last name
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Date last updated


Linked To

Table	Join
N/A	N/A

Linked From

Table	Join
film_actor	ON film_actor_id (FK) = actor.actor_id (PK)

3.6 *Language Table*

Key	Column	Data Type	Description
	language_id	SERIAL	Language serial #
	name	CHARACTER(20)	Type of language
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Date last updated


Linked To

<i>Table</i>	<i>Join</i>
<i>N/A</i>	<i>N/A</i>

Linked From

<i>Table</i>	<i>Join</i>
film	ON film_language_id (FK) = language.language_id (PK)

3.7 *Film Table*

Key	Column	Data Type	Description
	film_id	SERIAL	Film Serial #
	title	CHARACTER VARYING(255)	Title of film
	description	TEXT	Description of film
	release_year	YEAR	Year film was released
	language_id	SMALLINT	Film's language type
	rental_duration	SMALLINT	How long film was rented for
	rental_rate	NUMERIC(4,2)	Cost of film rental
	length	SMALLINT	Length of film
	replacement_cost	NUMERIC(5,2)	Cost to replace film
	rating	mpaa_rating	Film's rating
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Date last updated
	special_features	TEXT	Film special features
	fulltext	TSVECTOR	Does the film contain text?



Linked To

<i>Table</i>	<i>Join</i>
language	ON film.language_id (FK) = language.language_id (PK)

Linked From

<i>Table</i>	<i>Join</i>
film_actor	ON film.film_id (PK) = film_actor.film_id (FK)
film_category	ON film.film_id (PK) = film_category.film_id (FK)
inventory	ON film.film_id (PK) = inventory.film_id (FK)

3.8 *Store Table*

Key	Column	Data Type	Description
	store_id	SERIAL	Store's serial #
	manager_staff_id	SMALLINT	Manager serial #
	address_id	SMALLINT	ID assigned to address
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated


Linked To

Table	Join
staff	ON store.store_id (PK) staff.store_id (FK)
address	ON address.address_id (PK) = store.address_id (FK)

Linked From

Table	Join
N/A	N/A

3.9 Country Table

Key	Column	Data Type	Description
	country_id	SERIAL	Country's serial #
	country	CHARACTER VARYING(50)	Name of country
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated



Linked To

Table	Join
N/A	N/A

Linked From

Table	Join
city	ON city.country_id (FK) = country.country_id (PK)

3.10 City Table

Key	Column	Data Type	Description
	city_id	SERIAL	City's serial #
	city	CHARACTER VARYING(50)	Name of city
	country_id	SMALLINT	Country's serial #
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Date last updated



Linked To

<i>Table</i>	<i>Join</i>
country	ON city.country_id (FK) = country.country_id (PK)

Linked From

<i>Table</i>	<i>Join</i>
address	ON city.city_id (PK) = address.city_id (FK)

3.11 Address Table

Key	Column	Data Type	Description
	address_id	SERIAL	Address serial #
	address	CHARACTER VARYING(50)	First line of address
	address2	CHARACTER VARYING(50)	Second line of address
	district	CHARACTER VARYING(20)	Name of district
	city_id	SMALLINT	City serial #
	postal_code	CHARACTER VARYING(10)	Postal zip code
	phone	CHARACTER VARYING(20)	Phone number
	last_update	TIMESTAMP(6)WITHOUT TIME ZONE	Date last updated




Linked To

Table	Join
city	ON city.city_id (PK) = address.city_id (FK)

Linked From

Table	Join
customer	ON customer.address_id (FK) = address.address_id (PK)
staff	ON staff.address_id (FK) = address.address_id (PK)
store	ON store.address_id (FK) = address.address_id (PK)

3.12 Staff Table

Key	Column	Data Type	Description
	staff_id	SERIAL	Staff member serial #
	first_name	CHARACTER VARYING (45)	Staff member first name
	last_name	CHARACTER VARYING (45)	Staff member last name
	address_id	SMALLINT	Staff address
	email	CHARACTER VARYING (50)	Staff member email address
	store_id	SMALLINT	Store serial #
	active	BOOLEAN	T/F if staff is active in system
	username	CHARACTER VARYING (40)	Staff member username
	password	CHARACTER VARYING (40)	Staff member password
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated
	picture	BYTEA	Staff member photo

Linked To

Table	Join
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address	ON staff.address_id (FK) = address.address_id (PK)
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Linked From

Table	Join
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payment	ON staff.staff_id (PK) = payment.staff_id (PF)
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staff	ON store.store_id (PK) = staff.store_id (FK)
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3.13 Category Table

Key	Column	Data Type	Description
	category_id	SERIAL	Category serial #
	name	CHARACTER VARYING(45)	Name of category
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated



Linked To

Table	Join
N/A	N/A

Linked From

Table	Join
<i>film_category</i>	<i>ON film_category_id (FK) = category.category_id (PK)</i>

3.14 *Film_Category Table*

Key	Column	Data Type	Description
	film_id	SMALLINT	Film serial #
	category_id	SMALLINT	Category serial #
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated




Linked To

Table	Join
film	ON film_category.film_id (FK) = film.film_id (PK)
category	ON film_category.category_id (FK) = category.category_id (PK)

Linked From

Table	Join
N/A	N/A

3.15 Customer Table

Key	Column	Data Type	Description
	customer_id	SERIAL	Customer serial #
	store_id	SMALLINT	Store serial #
	first_name	CHARACTER VARYING (45)	Customer last name
	last_name	CHARACTER VARYING (45)	Customer first name
	email	CHARACTER VARYING (50)	Customer email address
	address_id	SMALLINT	Customer Address
	activebool	BOOLEAN	T/F if customer is active
	create_date	DATE	Date customer was created
	last_update	TIMESTAMP (6) WITHOUT TIME ZONE	Date last updated
	active	INTEGER	Is the customer active or not?

Linked To

Table	Join
address	ON customer.address_id (FK) = address.address_id (PK)

Linked From

Table	Join
payment	ON customer.customer_id (PK) = payment.customer_id (FK)
staff	ON customer.customer_id (PK) = rental.customer_id (FK)