

Rockbuster Stealth

Data Dictionary

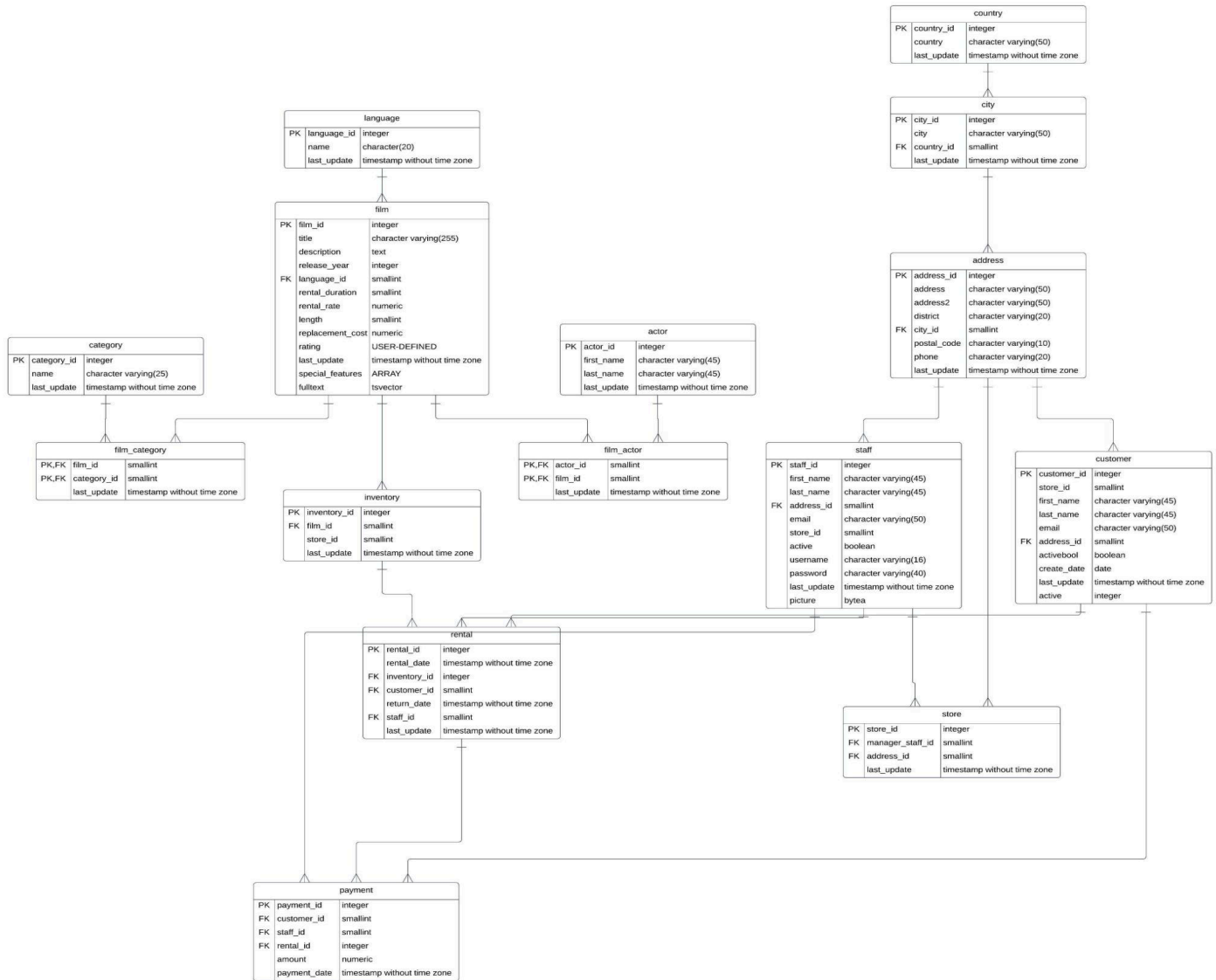
11/21/2023

Rockbuster Stealth LLC is a movie rental company that used to have stores around the world. Facing stiff competition from streaming services such as Netflix and Amazon Prime, the Rockbuster Stealth management team is planning to use its existing movie licenses to launch an online video rental service in order to stay competitive. This SQL database will be used to determine what genres, actors, films, and ratings generate the most revenue for Rockbuster and where focus should be put as they transition to an online streaming service.



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2. Entity Relationship Diagram







Legend

	Primery Key
	Foreign Key

3. Tables

3.1. Payment

3.1.1. Columns





	Columns	Data Type	Description
	payment_id	integer	unique identifier
	customer_id	smallint	unique identifier
	staff_id	smallint	unique identifier
	rental_id	integer	unique identifier
	amount	numeric	dollar amount
	payment_date	timestamp w/o time zone	date and time of transaction

3.1.2. Links to

	Table	Join
<input type="checkbox"/>	rental	payment.rental_id = rental.rental_id
<input type="checkbox"/>	customer	payment.customer_id = customer.customer_id
<input type="checkbox"/>	staff	payment.staff_id = staff.staff_id

3.2. Rentals

3.2.1. Columns

	Columns	Data Type	Description
	rental_id	integer	unique identifier
	rental_date	timestamp w/o time zone	date/time rental initiated
	inventory_id	integer	unique identifier
	customer_id	smallint	unique identifier
	return_date	timestamp w/o time zone	date/time rental completed
	staff_id	smallint	unique identifier
	last_update	timestamp w/o time zone	date/time of last update

3.2.2. Links to




	Table	Join
<input type="checkbox"/>	inventory	rental.inventory_id = inventory.inventory_id
<input type="checkbox"/>	staff	rental.staff_id = staff.staff_id
<input type="checkbox"/>	customer	rental.customer_id = customer.customer_id

3.2.3. Links from

	Table	Join
<input type="checkbox"/>	payment	payment.rental_id = rental.rental_id

3.3. Store

3.3.1. Columns

	Columns	Data Type	Description
	store_id	integer	unique identifier
	manager_staff_id	smallint	unique identifier
	address_id	smallint	unique identifier
	last_update	timestamp w/o time zone	date/time of last update

3.3.2. Links to




	Table	Join
<input type="checkbox"/>	staff	store.manager_staff_id = staff.staff_id
<input type="checkbox"/>	address	store.address_id = address.address_id

3.3.3. Links from

	Table	Join
<input type="checkbox"/>	staff	staff.store_id = store.store_id
<input type="checkbox"/>	customer	customer.store_id = store.store_id
<input type="checkbox"/>	inventory	inventory.store_id = store.store_id

3.4. Staff

3.4.1. Columns

	Columns	Data Type	Description
	staff_id	integer	unique identifier
	first_name	character varying(45)	first name of staff member
	last_name	character varying(45)	last name of staff member
	address_id	smallint	unique identifier
	email	character varying(50)	unique identifier
	store_id	smallint	unique identifier
	active	boolean	true or false if the employee is actively working
	username	character varying(16)	username chosen by staff member
	password	character varying(40)	password chosen by staff member
	last_update	timestamp w/o time zone	date/time of last update
	picture	bytea	picture of staff member

3.4.2. Links to




	Table	Join
<input type="checkbox"/>	address	staff.address_id = address.address_id

3.4.3. Links from

	Table	Join
<input type="checkbox"/>	store	store.staff_id = staff.staff_id
<input type="checkbox"/>	rental	rental.staff_id = staff.staff_id
<input type="checkbox"/>	payment	payment.staff_id = staff.staff_id

3.5. Customer

3.5.1. Columns

	Columns	Data Type	Description
	customer_id	integer	unique identifier
	store_id	smallint	unique identifier
	first_name	character varying(45)	first name of customer
	last_name	character varying(45)	last name of customer
	email	character varying(50)	email address of customer
	address_id	smallint	unique identifier
	activebool	boolean	true or false if customer is currently active
	create_date	date	date customer created rental account
	last_update	timestamp w/o time zone	date/time of last update
	active	integer	Integer 0 or 1 if customer is currently active

3.5.2. Links to



	Table	Join
<input type="checkbox"/>	store	customer.store_id = store.store_id
<input type="checkbox"/>	address	customer.address_id = address.address_id

3.5.3. Links from

	Table	Join
<input type="checkbox"/>	rental	rental.customer_id = customer.customer_id
<input type="checkbox"/>	payment	payment.customer_id = customer.customer_id

3.6. Address

3.6.1. Columns

	Columns	Data Type	Description
	address_id	integer	unique identifier
	address	character varying(50)	street address
	address2	character varying(50)	second line of address if relevant
	district	character varying(20)	state/territory/province
	city_id	smallint	unique identifier
	postal_code	character varying(10)	postal code of address
	phone	character varying(20)	phone number belonging to address
	last_update	timestamp w/o time zone	date/time of last update

3.6.2. Links to



	Table	Join
<input type="checkbox"/>	city	address.city_id = city.city_id

3.6.3. Links from

	Table	Join
<input type="checkbox"/>	customer	customer.address_id = address.address_id
<input type="checkbox"/>	store	store.address_id = address.address_id
<input type="checkbox"/>	staff	staff.address_id = address.address_id

3.7. City

3.7.1. Columns

	Columns	Data Type	Description
	city_id	integer	unique identifier
	city	character varying (50)	name of city
	country_id	smallint	unique identifier
	last_update	timestamp w/o time zone	date/time of last update

3.7.2. Links to


	Table	Join
<input type="checkbox"/>	country	city.country_id = country.country_id

3.7.3. Links from

	Table	Join
<input type="checkbox"/>	address	address.city_id = city.city_id

3.8. Country

3.8.1. Columns




	Columns	Data Type	Description
	country_id	integer	unique identifier
	country	Character varying(50)	name of country
	last_update	timestamp w/o time zone	date/time of last update

3.8.2. Links from

	Table	Join
<input type="checkbox"/>	city	city.country_id = country.country_id

3.9. Inventory

3.9.1. Columns

	Columns	Data Type	Description
	inventory_id	integer	unique identifier
	film_id	smallint	unique identifier
	store_id	smallint	unique identifier
	last_update	timestamp w/o time zone	date/time of last update

3.9.2. Links to



	Table	Join
<input type="checkbox"/>	film	inventory.film_id = film.film_id
<input type="checkbox"/>	store	inventory.store_id = store.store_id

3.9.3. Links from

	Table	Join
<input type="checkbox"/>	rental	rental.film_id = inventory.film_id

3.10. Film Category

3.10.1. Columns


	Columns	Data Type	Description
	film_id	smallint	unique identifier
	category_id	smallint	unique identifier
	last_update	timestamp w/o time zone	date/time of last update

3.10.2. Links to

	Table	Join
<input type="checkbox"/>	category	film_category.category_id = category.category_id
<input type="checkbox"/>	film	film_category.film_id = film.film_id

3.11. Category

3.11.1. Columns



	Columns	Data Type	Description
	category_id	integer	unique identifier
	name	character varying(25)	name of film genre
	last_update	timestamp w/o time zone	date/time of last update

3.11.2. Links from

	Table	Join
<input type="checkbox"/>	film_category	category.category_id = film_category.category_id

3.12. Film Actor

3.12.1. Columns


	Columns	Data Type	Description
	actor_id	smallint	unique identifier
	film_id	smallint	unique identifier
	last_update	timestamp w/o time zone	date/time of last update

3.12.2. Links to

	Table	Join
<input type="checkbox"/>	film	film_actor.film_id = film.film_id
<input type="checkbox"/>	actor	film_actor.film_id = actor_id

3.13. Actor

3.13.1. Columns


	Columns	Data Type	Description
	actor_id	integer	unique identifier
	first_name	character varying(45)	first name of actor
	last_name	character varying (45)	last name of actor
	last_update	timestamp w/o time zone	date/time of last update

3.13.2. Links from

	Table	Join
<input type="checkbox"/>	film_actor	film.actor_id = actor.actor_id

3.14. Language

3.14.1. Columns



	Columns	Data Type	Description
	language_id	integer	unique identifier
	name	character varying(20)	name of language
	last_update	timestamp w/o time zone	date/time of last update

3.14.2. Links from

	Table	Join
<input type="checkbox"/>	film	film.language_id = language.language_id

3.15. Film

3.15.1. Columns

	Columns	Data Type	Description
	film_id	integer	unique identifier
	title	character varying(255)	title of film
	description	text	description of film
	release_year	integer	year film was released
	language_id	smallint	unique identifier
	rental_duration	smallint	length of rental in days
	rental_rate	numeric	amount paid for rental
	length	smallint	time duration of film
	replacement_cost	numeric	amount it would cost to replace film
	rating	USER-DEFINED	rating of film
	last_update	timestamp w/o time zone	date/time of last update
	special_features	ARRAY	special feature included with film
	fulltext	tsvector	text search vectors to search full text of film

3.15.2. Links to

	Table	Join
<input type="checkbox"/>	language	film.language_id = language.language_id

3.15.3. Links from

	Table	Join
<input type="checkbox"/>	film_category	film_category.film_id = film.film_id
<input type="checkbox"/>	inventory	inventory.film_id = film.film_id
<input type="checkbox"/>	film_actor	film_actor.film_id = film.film_id