Rockbuster Stealth

Data Dictionary

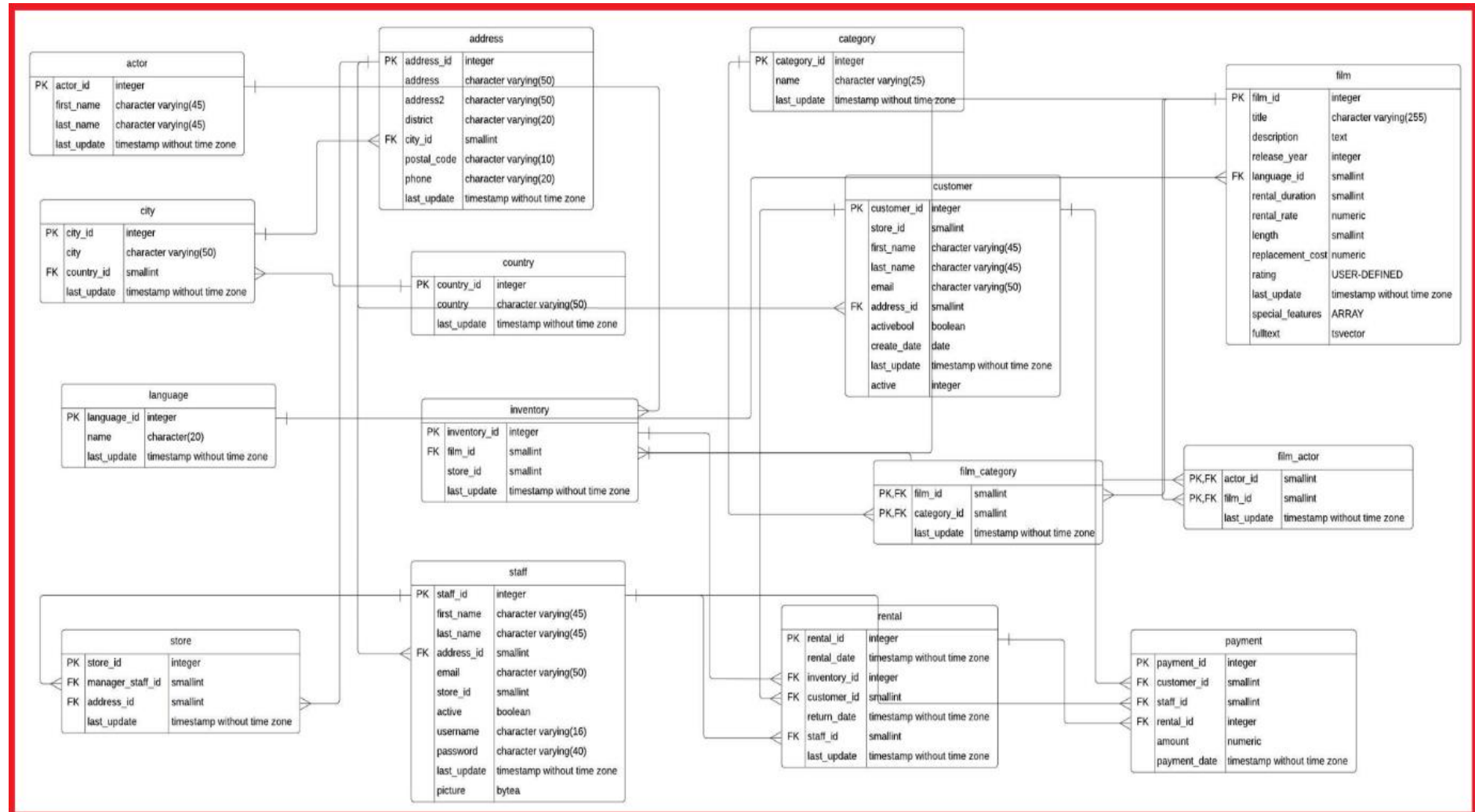**Dan Franklin**

Contents

Rockbuster Stealth

Rockbuster Stealth LLC is a movie rental company that has stores all over the world. The current database has information on movie rentals that can be analysed to help provide a plan for a future online rental / streaming service.

Entity Relationship Diagram

Fact Tables

	Columns	Data Type	Description
Payment	Payment_id	Integer	Unique payment identifier
	Customer_id	Smallint	Unique customer identifier
	Staff_id	Smallint	Unique staff identifier
	Rental_id	Integer	Unique rental identifier
	amount	Numeric	Amount of payment received
	Payment_date	Timestamp without time zone	Date of payment

Links to

Table	Join
Rental	Payment.rental_id = Rental.rental_id
Customer	Payment.customer_id = Customer.customer_id
Staff	Payment.staff_id = Staff.staff_id

Links from

Table	Join
No links from other tables	

Keys

Column	Key Type
payment_id	Primary Key
customer_id	Foreign Key
staff_id	Foreign Key
rental_id	Foreign Key

	Columns	Data Type	Description
Rental	Rental_id	Integer	Unique rental id
	Rental_date	Timestamp without time zone	Date of rental
	Inventory_id	Integer	Unique inventory identifier
	Customer_id	smallint	Unique customer Identifier
	Return_date	Timestamp without time zone	Date of rental return
	Staff_id	Smallint	Unique staff identifier
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Inventory	Rental.inventory_id = Inventory.inventory_id
Customer	Rental.customer_id = Customer.customer_id
Staff	Rental.staff_id = Staff.staff_id

Links from

Table	Join
Payment	Rental.rental_id = Payment.rental_id

Keys

Column	Key Type
rental_id	Primary Key
inventory_id	Foreign Key
customer_id	Foreign Key
staff_id	Foreign Key

Dimension Tables

	Columns	Data Type	Description
Actor	Actor_id	Integer	Unique actor identifier
	First_name	Character varying (45)	First name of actor
	Last_name	Character varying (45)	Last name of actor
	Last_update	Timestamp without time zone	Time of last update

Links to	
Table	**Join**
Links to no other tables	

Links from	
Table	**Join**
Film Actor	Actor.actor_id = Film_actor.actor_id

Keys	
Column	**Key Type**
actor_id	Primary Key

	Columns	Data Type	Description
	Address_id	Integer	Unique identifier of address
	address	Character varying (50)	First line of address
	Address2	Character varying (50)	Second line of adress
	district	Character varying (20)	District of address
address	City_id	Smallint	Unique identifier of city
	Postal_code	Character varying (10)	Postal code of address
	phone	Character varying (20)	Phone number for address
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
City	Address.city_id = City.city_id

Links from

Table	Join
Customer	Address.address_id = Customer.address_id
Staff	Address.address_id = Staff.address_id
Store	Address.address_id = Store_address_id

Keys

Column	Key Type
Address_id	Primary Key
City_id	Foreign Key

	Columns	Data Type	Description
category	Category_id	Integer	Unique category identifier
	name	Character varying (25)	Name of category
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Links to no other tables	

Links from

Table	Join
Film category	Category.category_id = Film_category.category_id

Keys

Column	Key Type
Category_id	Primary Key

	Columns	Data Type	Description
city	City_id	Integer	Unique identifier of city
	city	Character varying (50)	Name of city
	Country_id	Smallint	Unique identifier of city
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Country	City.country_id = Country.country_id

Links from

Table	Join
Address	City.city_id = Address.city_id

Keys

Column	Key Type
City_id	Primary Key

	Columns	Data Type	Description
	Country_id	Integer	Unique identifier of country
country	country	Character varying (50)	Name of country
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Links to no other tables	

Links from

Table	Join
City	Country.country_id = City.country_id

Keys

Column	Key Type
Country_id	Primary Key

	Columns	Data Type	Description
customer	Customer_id	Integer	Unique customer identifier
	Store_id	smallint	Unique store 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 of address
	activebool	Boolean	Whether customer is active
	Create_Date	Date	Date of customer profile creation
	Last_update	Timestamp without time zone	Time of last update
	active	integer	Active status represented by 0 or 1

Links to

Table	Join
Address	Customer.address_id = Address.address_id

Links from

Table	Join
Payment	Customer.customer_id = Payment.customer_id
Rental	Customer.customer_id = Rental.customer_id

Keys

Column	Key Type
Customer_id	Primary Key
Address_id	Foreign Key

	Columns	Data Type	Description
Film	Film_id	integer	Unique film identifier
	title	Character varying (255)	Title of film
	Description	Text	Description of film
	Release_year	integer	Year of film release
	Language_id	Smallint	Language of film
	Rental_duration	Smallint	Duration of rental
	Rental_Rate	Numeric	Rate of rental
	length	Smallint	Length of film
	Replacement_cost	Numeric	Replacement cost of film
	rating	USER_DEFINED	Rating of film
	Last_update	Timestamp without time zone	Time of last update
	Special_features	ARRAY	Special features of film
	fulltextt	tsvector	Film index; contains count of key words in description

Links to

Table	Join
Language	Film.language_id = Language.language_id

Links from

Table	Join
Film_actor	Film.film_id = Film_actor.film_id
Inventory	Film.film_id = Inventory.film_id
Film_category	Film.film_id = Film_category.film_id

Keys

Column	Key Type
Film_id	Primary Key
Language_id	Foreign Key

	Columns	Data Type	Description
Film_actor	Actor_id	Smallint	Unique actor identifier
	Film_id	Smallint	Unique film identifier
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Actor	Film_actor.actor_id = Actor.actor_id
Film	Film_actor.film_id = Film.film_id

Links from

Table	Join
Links from no other tables	

Keys

Column	Key Type
Actor_id	Primary Key
Film_id	Primary Key

	Columns	Data Type	Description
film_category	Film_id	Smallint	Unique film identifier
	Category_id	smalllint	Unique category indentifier
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Film	Film_category.film_id = Film.film_id
Category	Film_category.category_id = Category.category_id

Links from

Table	Join
Links from no other tables	

Keys

Column	Key Type
Film_id	Primary Key
Category_id	Primary Key

	Columns	Data Type	Description
Inventory	Inventory_id	Integer	Unique inventory identifier
	Film_id	Smallint	Unique film identifier
	Store_id	Smallint	Unique store identifier
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Film	Inventory.film_id = Film.film_id

Links from

Table	Join
Rental	Inventory.inventory_id = Rental.inventory_id

Keys

Column	Key Type
Inventory_id	Primary Key
Film_id	Foregin Key

	Columns	Data Type	Description
	Language_id	Integer	Unique identifier of language
language	name	Character	Name of language
	Last_update	Timestamp without time zone	Time of last update

Links to

Table	Join
Links to no other tables	

Links from

Table	Join
Film	Language.language_id = Film.language_id

Keys

Column	Key Type
Language_id	Primary Key

	Columns	Data Type	Description
staff	Staff_id	Integer	Unique staff 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 of address
	email	Character varying (50)	Email address of staff member
	Store_id	Smallint	Unique identifier of store
	active	boolean	Whether staff member is active
	username	Character varying (16)	Username of staff member
	password	Character varying (40)	Password of staff member
	Last_update	Timestamp without time zone	Time of last update
	picture	bytea	Picture of staff member

Links to

Table	Join
Address	Staff.address_id = Address.address_id

Links from

Table	Join
Rental	Staff.staff_id = Rental.staff_id
Payment	Staff.staff_id = Payment.staff_id
Store	Staff.staff_id = Store.staff_id

Keys

Column	Key Type
Staff_id	Primary Key
Address_id	Foreign Key

	Columns	Data Type	Description
store	store_id	Serial	Unique identifier for store
	manager_staff_id	int2	Unique identifier for manager
	address_id	int2	Unique identifier for address
	last_update	timestamp	Date and time of last update

Links to

Table	Join
Staff	Store.manager_staff_id = Staff.staff_id
Address	Store.address_id = Address.address_id

Links from

Table	Join
Links from no other tables	

Keys

Column	Key Type
Store_id	Primary Key
Manager_staff_id	Foreign Key
Address_id	Foreign Key