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**ROCKBUSTER
DATA DICTIONARY**



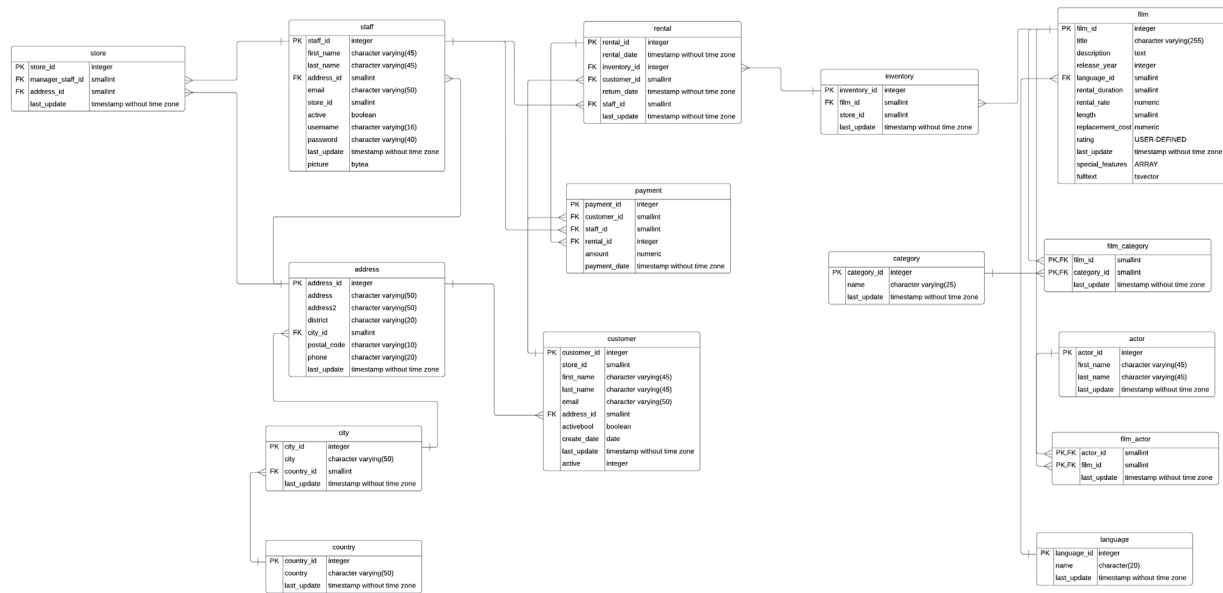
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1.Entity Relationship Diagram (ERD) for Rockbuster



2.Fact Table

2.1 Rental Table

Key	Columns	Data Type	Description
Primary Key	rental_id	integer	Unique identifier of rental
	rental_date	timestamp without time zone	Date & time when rental is made
Foreign Key	inventory_id	integer	Unique identifier of inventory
Foreign Key	customer_id	smallint	Unique identifier of customer
	return_date	timestamp without time zone	The date when the return is made
Foreign Key	staff_id	smallint	Unique identifier of staff
	last_updated	timestamp without time zone	The date & time when the last update is done

2.1.1 Rental Table links to

Table	Join
Payment	Rental.rental_id = Payment.rental_id

2.1.2 Rental Table linked from

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

3. Dimension tables

3.1 Payment Table

Key	Columns	Data Type	Description
Primary Key	payment_id	integer	unique identifier of payment
Foreign Key	customer_id	smallint	unique identifier of customer
Foreign Key	staff_id	smallint	unique identifier of staff
Foreign Key	rental_id	integer	unique identifier of rental
	amount	numeric(5,2)	amount paid by customer
	payment_date	timestamp without time zone	the date & time when the payment is done

3.1.1 Payment Table linked from

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

3.2 Inventory Table

Key	Columns	Data Type	Description
Primary Key	inventory_id	integer	unique identifier of inventory
Foreign Key	film_id	smallint	unique identifier of film
	store_id	smallint	unique identifier of store
	last_updated		

3.2.1 Inventory Table links to

Table	Join
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Rental	Inventory.rental_id = Rental.rental_id
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3.2.2 Inventory Table linked from

Table	Join
Film	Inventory.film_id = Film.film_id

3.3 Film Table

Key	Columns	Data Type	Description
Primary Key	film_id	integer	unique identifier of film
	title	character varying (255)	title of the film
	description	text	description of the film
	release_year	integer	the year when the release of film is made
Foreign Key	language_id	smallint	language of the film
	rental_duration	smallint	duration of the rental
	rental_rate	numeric (5,2)	rental rate or price
	length	smallint	length of the film
	replacement_cost	numeric (5,2)	replacement cost
	rating	mpaa_rating	film's rating
	special_features	Text []	special features of films (deleted scenes)
	fulltext	tsvector	indexes for scenes

3.3.1 Film Table links to

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

3.3.2 Film Table linked from

Table	Join
Language	Film.language_id = Language.language_id

3.4 Category Table

Key	Columns	Data Type	Description
Primary Key	category_id	integer	unique identifier of category
	name	character varying (25)	film category
	last_updated	timestamp without time zone	the date & time when the last update is done

3.4.1 Category Table links to

Table	Join
Film_category	Category.category_id = Film_category.category_id

3.5 Film_category Table

Key	Columns	Data Type	Description
Primary Key, Foreign Key	film_id	smallint	unique identifier of film
Primary Key, Foreign Key	category_id	smallint	unique identifier of category
	last_updated	timestamp without time zone	the date & time when the last update is done

3.5.1 Film_category Table linked from

Table	Join
Category	Film_category.category_id = Category.category_id

Film	Film_category.film_id = Film.film_id
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3.6 Actor

Key	Columns	Data Type	Description
Primary Key	actor_id	integer	unique identifier of actor
	first_name	character varying (45)	first name of actor
	last_name	character varying (45)	last name of actor
	last_updated	timestamp without time zone	the date & time when the last update is done

3.6.1 Actor Table links to

Table	Join
Film_actor	Actor.actor_id = Film_actor.actor_id

3.7 Film_actor Table

Key	Columns	Data Type	Description
Primary Key, Foreign Key	actor_id	smallint	unique identifier of actor
Primary Key, Foreign Key	film_id	smallint	unique identifier of film
	last_updated	timestamp without time zone	the date & time when the last update is done

3.7.1 Film_actor Table linked from

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

3.8 Language Table

Key	Columns	Data Type	Description
Primary Key	language_id	integer	unique identifier of language

	name	character(20)	language name
	last_updated	timestamp without time zone	the date & time when the last update is done

3.8.1 Language Table links to

Table	Join
Film	Language.language_id = Film.language_id

3.9 Staff

Key	Columns	Data Type	Description
Primary Key	staff_id	integer	unique identifier of staff
	first_name	character varying (45)	first name of staff member
	last_name	character varying (45)	last name of staff member
Foreign Key	address_id	smallint	staff address
	e-mail	character varying (50)	staff e-mail
	store_id	smallint	unique identifier of store
	active	boolean	staff status (active/passive)
	user_name	character varying (16)	staff user name
	password	character varying (40)	staff password
	last_updated	timestamp without time zone	the date & time when the last update is done
	picture	bytea	staff picture

3.9.1 Staff Table links to

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

3.9.2 Staff Table linked from

Table	Join
Address	Staff.address_id = Address.address_id

3.10 Store Table

Key	Columns	Data Type	Description
Primary Key	store_id	integer	unique identifier of store
Foreign Key	manager_staff_id	smallint	unique identifier of manager staff
Foreign Key	address_id	smallint	unique identifier of store's address
	last_updated	timestamp without time zone	the date & time when the last update is done

3.10.1 Store Table linked from

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

3.11 Customer Table

Key	Columns	Data Type	Description
Primary Key	customer_id	integer	unique identifier of customer
	store_id	smallint	unique identifier of store
	first_name	character varying (45)	first name of staff member
	last_name	character varying (45)	last name of staff member
	e-mail	character varying (50)	customer's email
Foreign Key	address_id	smallint	customer's address
	activebool	boolean	status of customer
	create_date	date	date of customer creation
	last_updated	timestamp without time zone	the date & time when the last update is done

	active	integer	status of customer
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3.11.1 Customer Table links

Table	Join
Rental	Customer.customer_id = Rental.customer_id

3.11.2 Customer Table linked from

Table	Join
Address	Customer.address_id = Staff.staff_id

3.12 Address Table

Key	Columns	Data Type	Description
Primary Key	address_id	integer	unique identifier of address
	address	character varying (50)	customer's address
	address2	character varying (50)	customer's second address
	distinct	character varying (20)	customer's distinct
Foreign Key	city_id	smallint	unique identifier of city
	postal_code	character varying (10)	customer's postal code
	phone	character varying (20)	customer's phone
	last_updated	timestamp without time zone	the date & time when the last update is done

3.12.1 Address Table links

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

3.12.2 Address Table linked from

Table	Join
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City	Address.city_id = City.city_id
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3.13 City Table

Key	Columns	Data Type	Description
Primary Key	city_id	integer	unique identifier of city
	city	character varying (50)	name of city
Foreign Key	country_id	smallint	unique identifier of country
	last_updated	timestamp without time zone	the date & time when the last update is done

3.13.1 City Table links

Table	Join
Address	City.city_id = Address.city_id

3.13.2 City Table linked from

Table	Join
Country	City.country_id = Country.country_id

3.14 Country Table

Key	Columns	Data Type	Description
Primary Key	country_id	integer	unique identifier of country
	country	character varying (50)	country's name
	last_updated	timestamp without time zone	the date & time when the last update is done

3.14.1 Country Table links

Table	Join
City	Country.country_id = City.country_id