

ROCKBUSTER

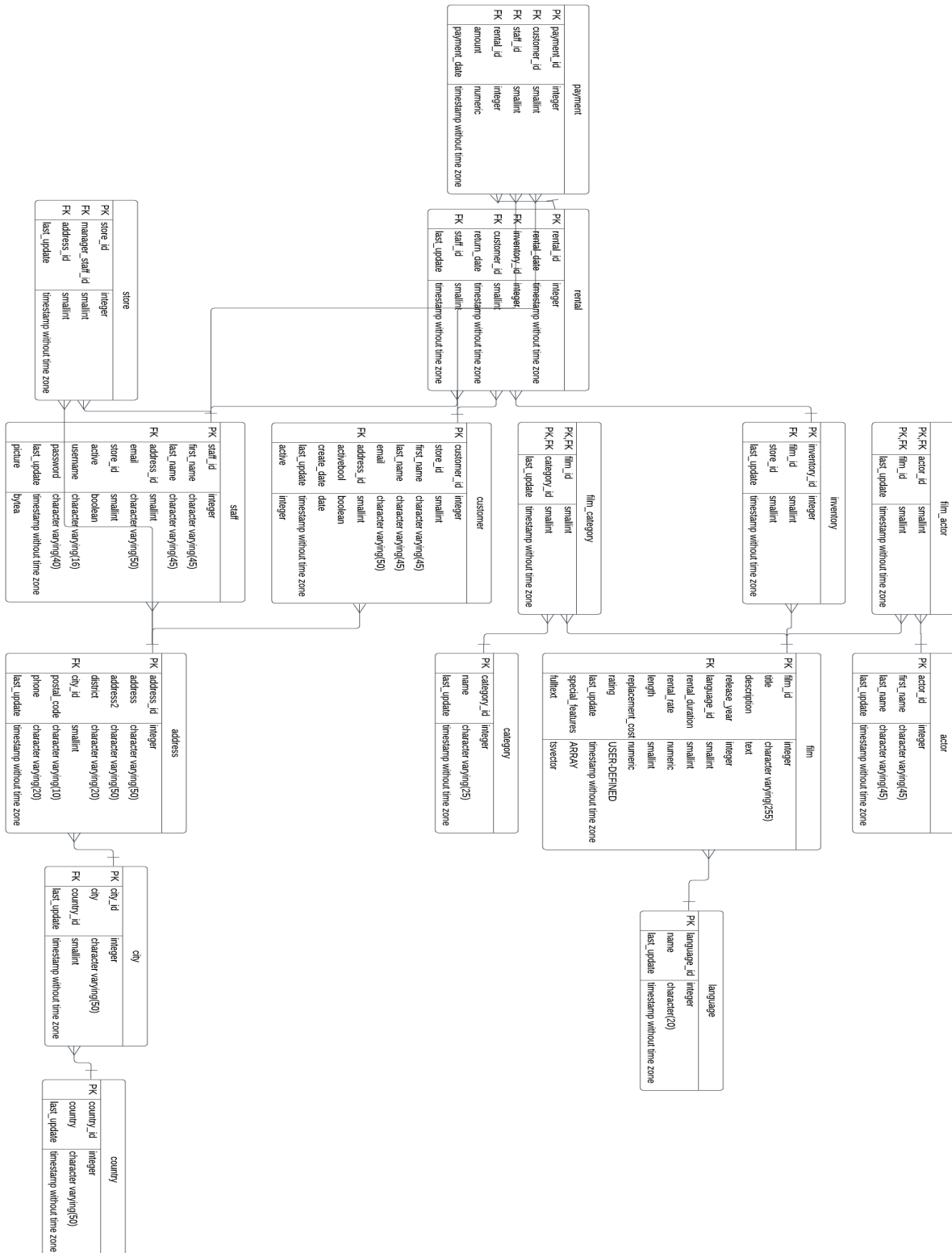
Data Dictionary



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1.Entity Relationship Diagram (ERD)



2. Tables







Primary Key

Foreign Key 

2.1 Fact Table:

Rental

	Columns	Data Type	Description
	rental_id	Serial	Assigned each movie number
	rental_date	Timestamp (6) without time zone	Movie rented date and time
	inventory_id	Integer	Assigned inventory details
	customer_id	Smallint	Assigned customer number
	return_date	Timestamp (6) without time zone	Rented movie return date and time
	staff_id	Smallint	Assigned staff number
	last_update	Timestamp (6) without time zone	Movie last update date and time





Links to

Table	Join
Customer	rental.customer_id = customer.customer_id
Staff	rental.staff_id = staff.staff_id
Inventory	rental.inventory_id = inventory.inventory_id

Links From

Table	Join
Payment	payment.payment_id = rental.payment_id

Payment




	Columns	Data Type	Description
	payment_id	Serial	Assigned payment number
	customer_id	Smallint	Assigned customer number
	staff_id	Smallint	Assigned staff number
	rental_id	Integer	Assigned rental number
	amount	Numeric (5,2)	Movie rental cost of amount
	payment_date	Timestamp (6) without time zone	Rental movie payment date and time

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

2.2 Dimension Table:



Store

	Columns	Data Type	Description
	store_id	Serial	Assigned store number
	manager_staff_id	Smallint	Assigned store manager number
	address_id	Smallint	Assigned store address number
	last_update	Timestamp (6) without time zone	Store last update date and time

Links to

Table	Join
Address	store.address_id = address.address_id
Staff	store.staff_id = staff.staff_id



Film_actor

	Columns	Data Type	Description
	actor_id	Smallint	Assigned actor number
	film_id	Smallint	Assigned film number
	last_update	Timestamp (6) without time zone	Film last update date and time

Links to

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

Inventory

	Columns	Data Type	Description
	inventory_id	Serial	Assigned inventory number
	film_id	Smallint	Assigned film number
	store_id	Smallint	Assigned store number
	last_update	Timestamp (6) without time zone	Inventory details last update date and time



Links to

Table	Join
Film	inventory.film_id = film.film_id

Links from

Table	Join
Rental	rental.inventory_id = inventory.inventory_id



Film_category

	Columns	Data Type	Description
	film_id	Smallint	Assigned film number
	category_id	Smallint	Assigned category number
	last_update	Timestamp (6) without time zone	Fil category last update date and time

Links to

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

Customer

	Columns	Data Type	Description
	customer_id	Serial	Assigned customer number
	store_id	Smallint	Assigned store number
	first_name	Character varying (45)	Customer first name
	last_name	Character varying (45)	Customer last name
	email	Character varying (50)	Customer email address
	address_id	Smallint	Assigned customer address number
	activebool	Boolean	Customer active true or false
	create_date	Date	Customer account create date
	last_update	Timestamp (6) without time zone	Customer account last update date and time
	active	Integer	Customer account active



Links to

Table	Join
Address	customer.address_id = address.address_id

Links from

Table	Join
Rental	rental.customer_id = customer.customer_id
Payment	payment.customer_id = customer.customer_id

Staff

	Columns	Data Type	Description
	staff_id	Serial	Assigned staff number
	first_name	Character varying (45)	Staff first name
	last_name	Character varying (45)	Staff last name
	address_id	Smallint	Assigned staff address number
	email	Character varying (50)	Staff email address
	store_id	Smallint	Assigned store number
	active	Boolean	Staff active true or false
	username	Character varying (16)	Staff username
	password	Character varying (40)	Staff password
	last_update	Timestamp (6) without time zone	Staff account last update date and time
	picture	Bytea	Staff photo


Links to

Table	Join
Address	staff.address_id = address.address_id

Links from

Table	Join
Rental	rental.staff_id = staff.staff_id
Store	store.staff_id = staff.staff_id
Payment	payment.staff_id = staff.staff_id



Actor

	Columns	Data Type	Description
	actor_id	Serial	Assigned actor number
	first_name	Character varying (45)	Actor first name
	last_name	Character varying (45)	Actor last name
	last_update	Timestamp (6) without time zone	Actor account last update date and time

Links from

Table	Join
Film_actor	film_actor.actor_id = actor.actor_id

Film

	Columns	Data Type	Description
	film_id	Serial	Assigned film number
	title	Character varying (255)	Film title
	description	Text	Film information in the text
	release_year	Year	Film release year
	language_id	Smallint	Assigned film language number
	rental_duration	Smallint	Film rental duration
	rental_rate	Numeric (4,2)	Film rental rating
	length	Smallint	Film length
	replacement_cost	Numeric (5,2)	Film replacing cost
	rating	Mpaa_rating	Film rating

	last_update	Timestamp (6) without time zone	Film last update date and time
	special_features	Text []	About special feature of film
	fulltext	Tsvector	Amount of text described in the film


Links to

Table	Join
Language	film.language_id = language.language_id

Links from

Table	Join
Film_actor	film_actor.film_id = film.film_id
Film_category	film_category.film_id = film.film_id
Inventory	inventory.film_id = film.film_id



Category

	Columns	Data Type	Description
	category_id	Serial	Assigned category number
	name	Character varying (25)	Name of category
	last_update	Timestamp (6) without time zone	Category last update date and time

Links from

Table	Join
Film_category	Film_actor.category_id = category.category_id

Address

	Columns	Data Type	Description
	address_id	Serial	Assigned address number
	address	Character varying (25)	Address
	address2	Character varying (25)	Second address
	district	Character varying (25)	District of address
	city_id	Smallint	Assigned city number
	postal_code	Character varying (25)	Postal code of address
	phone	Character varying (25)	Phone number
	last_update	Timestamp (6) without time zone	Address last update date and time


Links to


Table	Join
City	address.city_id = city.city_id

Links from

Table	Join
Store	store.address_id = address.address_id
Staff	staff.address_id = address.address_id
Customer	customer.address_id = address.address_id

City

	Columns	Data Type	Description
	city_id	Serial	Assigned city number
	city	Character varying (50)	Name of city

	country_id	Smallint	Assigned country number
	last_update	Timestamp (6) without time zone	City last update date and time


Links to

Table	Join
Country	city.country_id = country.country_id

Links from

Table	Join
Address	address.city_id = city.city_id


Country

	Columns	Data Type	Description
	country_id	Serial	Assigned country number
	country	Character varying (50)	Name of country
	last_update	Timestamp (6) without time zone	Country last update date and time

Links from

Table	Join
City	city.country_id = country.country_id

Language

	Columns	Data Type	Description
	language_id	Serial	Assigned language number
	name	Character (20)	Name of language

	last_update	Timestamp (6) without time zone	Language last update date and time
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Links from

Table	Join
Film	film.language_id = language.language_id