Rockbuster Stealh, LL Data Dictionary
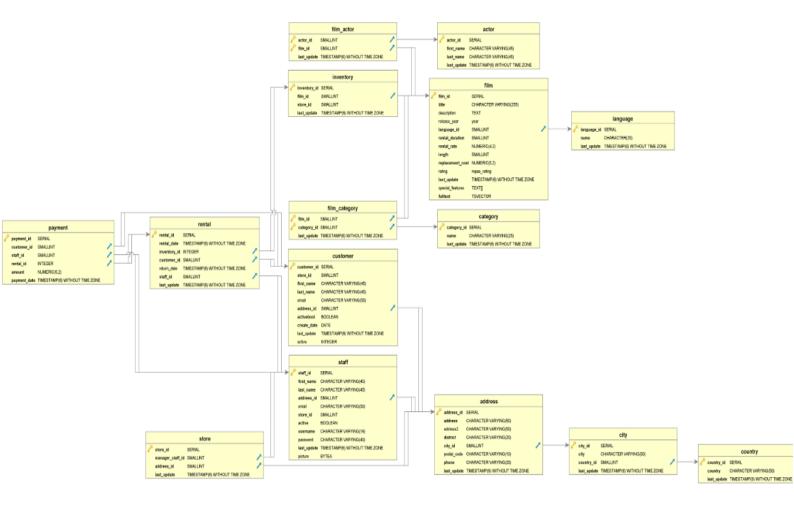
Angelo Cruz

Task 3.10

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Rockbuster Entity Relationship Diagram (ERD)

Fact tables

Payment

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	payment_id	Serial	Surrogate Primary Key		
Foreign Key	customer_i	Small Int	Foreign key to link to customer table	Links to	Customer
Foreign Key	staff_id	Small Int	Foreign key to link to staff table	Links to	Staff
Foreign Key	Rental_id	interger	Unique Generated identification number for rental	Links to	Rental
	Amount	Numeric (two decimal places)	Amount recorded of each payment		
	Payment Date	Time Stamp w/o Time zone	Date Payment was made		

Rental

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	rental_id	Serial	Surrogate Primary Key	Links from	Payment
	rental_date	Date (Timestamp)	Date recorded of each rent event		
Foreign Key	inventory_id	Integer (SMALLINT)	Foreign key to link to inventory table	Links to	Inventory
Foreign Key	Customer_id	Integer (SMALLINT)	Foreign key to link to customer table	Links to	Customer
	return_date	Date (Timestamp)	Date recorded for each rental returned		
Foreign Key	Staff_id	Integer (SMALLINT)	Foreign key to link to staff table	Links to	Staff
	last_Updated	Date (Timestamp)	Date of when the record was last updated		

Dimension tables

Actor

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Actor_id	Serial	Primary key to identify unique actor	Links from	Actor
	First_name	VARCHAR	Actor first name		
	Last_name	VARCHAR	Actor last name		
	Last_update	Date (Timestamp)	Date of when the record was last updated		

Address

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Address_id	Serial	Primary Key to identify each unique address	Links from	Customer, store, and staff
	Address	Varchar	Address information		
	Address2	Varchar	Address information		
	District	Varchar	Address information		
Foreign Key	City_id	Integer (SMALLINT)	foreign key to link to city table	Links to	City
	Postal_code	VARCHAR	Address information		
	Phone	VARCHAR	Phone number		

Category

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Category_id	Serial	Primary Key to identify each unique category	Links from	Film_category
	Name	VARCHAR	Category name		
	Last_update	Date (Timestamp)	Date of when the record was last updated		

City

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	City_id	Serial	Primary Key to identify each unique city	Links to	address
	City	Varchar	City name		
Foreign Key	Country_id		foreign key to link to country table	Links to	country
	Last_update	Date (Timestamp)	Date of when the record was last updated		

Country

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Country_id	Serial	Primary key to identify each unique country	Links from	city
	Country	Varchar	Country name		
	Last_update	Date (Timestamp)	Date of when the record was last updated		

Customer

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Customer_id	Serial	Primary Key to identify each unique customer	Links from	rental
	Store_id	Integer (SMALLINT)	Id of the store the client record is referring to	Links from	payment
	First_name	VARCHAR	Customer name		
	Last_Name	VARCHAR	Customer last name		
	Email	VARCHAR	Customer email		
Foreign Key	Address_id	Integer (SMALLINT)	foreign key to link to address table	Links to	Address
	Active_bool	Boolean	Whether the customer is active or not		
	Create_date	Date	When the client was first recorded in the database		
	Last_update	Date (Timestamp)	Date of when the record was last updated		
	Active	Integer	Whether the customer is active or not		

Film

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Film_id	Serial	Primary key to identify each unique film	Links from	Film_actor, film_category, and inventory
	Title	VARCHAR	Film title		
	Description	TEXT	Film description		
	Release_year	Year	Year of release of the film		
Foreign Key	Language_id	Integer (SMALLINT)	foreign key to link to language table	Links to	language
	Rental_duration	Integer (SMALLINT)	Duaration of the rental		
	Rental_rate	Numeric two decimal place	Rate of the rental		
	Length	Integer (SMALLINT)	Duration of the film		
	Replacement_cost	Numeric two decimal place	Cost associated with film replacement		
	Rating	Mpaa_rating	Rating of the film		
	Last_update	Date (Timestamp)	Date of when the record was last updated		
	Special_features	Text	Extra information available in the film		
	Fulltxt	TSVECTOR	Extra information about content		

Film Actor

Key	Columns	Data Type	Description	Links to/From	Linked Table
Foreign Key	actor_id	Integer (SMALLINT)	Composite Primary key to identify each single actor	Links to	Actor
Foreign Key	Film_id	Integer (SMALLINT)	Composite Primary Key to identify each single film, also acts as foreign key to link the film table	Links to	film
	Last_update	Date (Timestamp)	Date of when the record was last updated		

Film Category

Key	Columns	Data Type	Description	Links to/From	Linked Table
Foreign Key	Film_id	Integer (SMALLINT)	Composite Primary Key to identify each category	Links to	film
Foreign Key	Category_id	Integer (SMALLINT)	Composite Primary Key to identify each category	Links to	category
	Last_update	Timestamp	Date and time of the last modification of this table		

Inventory

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Inventory_id	Serial	Id to identify each unique movie copy	Links from	rental
Foreign Key	Film_id	Integer (SMALLINT)	Foreign key to link to film table	Links to	film
Foreign Key	Store_id	Integer (SMALLINT)	id of the store where the copy of the movie is located	Links to	store
	Last_update	Date (Timestamp)	Date of when the record was last updated		

Language

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Language_id	Serial	Primary key to identify different languages	Links from	film
	Name	VARCHAR	Language name		
	Last_update	Date (Timestamp)	Date of when the record was last updated		

Film

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	Staff_id	Serial	Primary Key to identify each unique staff	Links from	Rental, payment, store
	First_name	VARCHAR	Staff first name		
	Last_name	VARCHAR	Staff last name		
Foreign Key	Address_id	Integer (SMALLINT)	foreign key to link to address table	Links to	addres
	Email	VARCHAR	Staff email		
Foreign Key	Store_id	Integer (SMALLINT)	Id of the store the staff record is referring to	Links to	store
	active	Boolean	Whether the staff is active or not		
	Username	VARCHAR	Staff username		
	Password	VARCHAR	Staff password		
	Last_update	Date (Timestamp)	Date of when the record was last updated		
	Picture	BYTEA	Picture of staff		

Store

Key	Columns	Data Type	Description	Links to/From	Linked Table
Primary Key	store_id	Serial	Id of the store the staff record is referring to	Links from	Inventory, staff
Foreign Key	manager_staff_id	Integer (SMALLINT)	Foreign key to link to staff table	Links to	staff
Foreign Key	address_id	Integer (SMALLINT)	Foreign key to link to address table	Links to	address
	last_update	Date (Timestamp)	Date of when the record was last updated		