

Rockbuster Stealth

Data Dictionary



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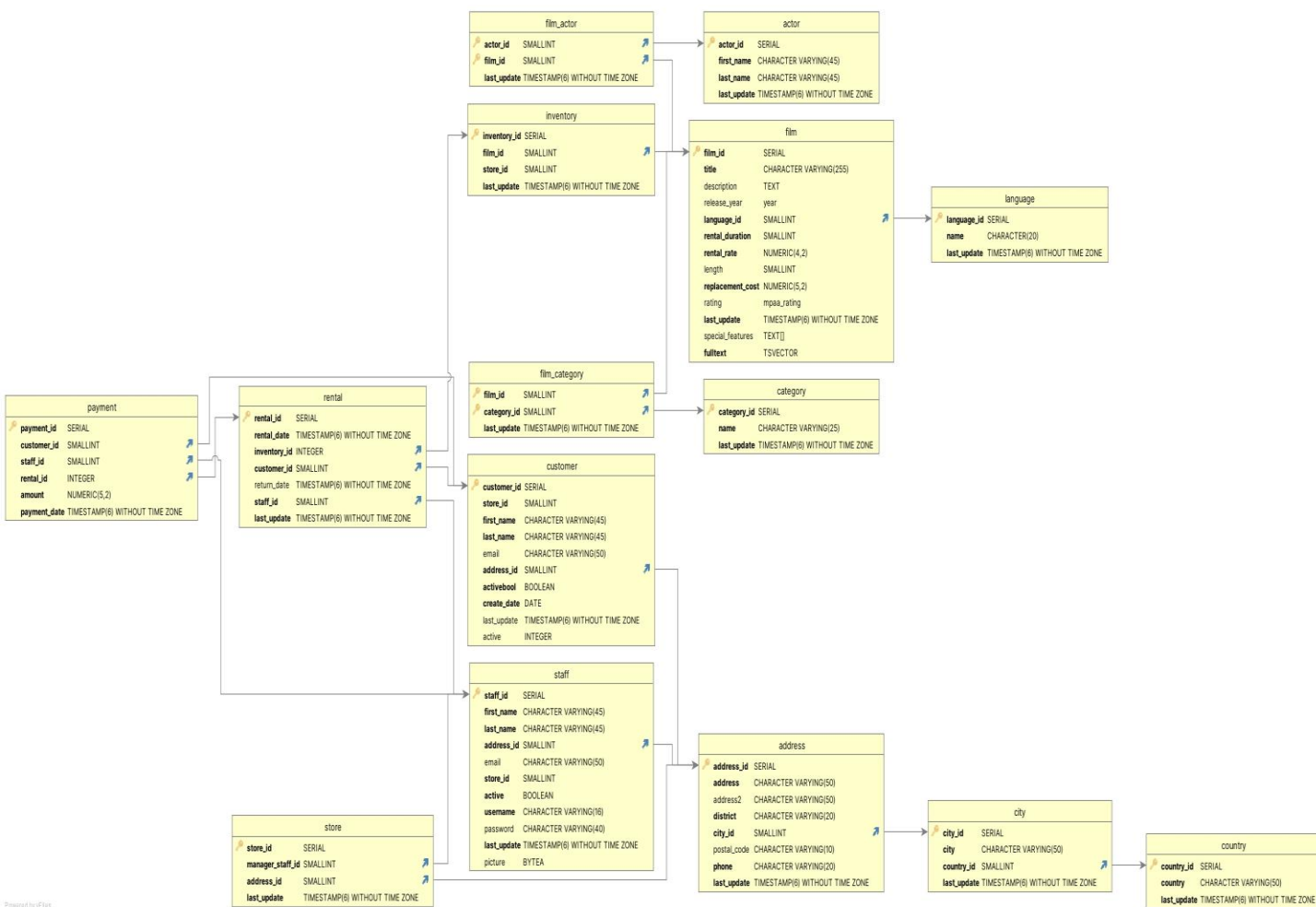
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Entity Relationship Diagram



PK – Primary Key

FK – Foreign Key

Tables	Column	Data Type	Description	Links to:
<u>Fact Tables</u>				
Rental	rental_id (PK)	Serial	ID of rental	Customer, inventory, staff, payment
	rental_date	Timestamp w/o Time Zone	Date of rental	
	inventory_id (FK)	Integer	ID of inventory	
	customer_id (FK)	SMALLINT	ID of Customer	
	return_date	Timestamp w/o Time Zone	Date movie was returned	
	staff_id (FK)	SMALLINT	ID of staff	
	last_update	Timestamp w/o Time Zone	Last update of table	
Payment	payment_id (PK)	serial	ID of payment	Customer, rental, staff
	customer_id (FK)	SMALLINT	ID of customer	
	staff_id (FK)	SMALLINT	ID of staff	
	rental_id (FK)	integer	ID of rental	
	Amount (FK)	numeric(5,2)	Cost of rental	
	payment_date	Timestamp w/o Time Zone	Date payment was made	
<u>Dimension Tables</u>				
film_actor	actor_id (PK)	SMALLINT	ID for actor	Category, film
	film_id (FK)	SMALLINT	ID for film	
	last_update	Timestamp w/o Time Zone	Last update of table	
Actor	actor_id (PK)	Serial	ID for actor	language
	first_name	Character varying(45)	Actor first name	
	last_name	Character varying(45)	Actor last name	
	last_update	Timestamp w/o Time Zone	Last update of table	
Inventory	inventory_id (PK)	serial	ID for inventory item	Film, rental
	film_id (FK)	SMALLINT	ID for film	
	store_id (FK)	SMALLINT	ID for store	
	last_update	Timestamp w/o Time Zone	Last update of table	

Tables	Column	Data Type	Description	Links to:
film	film_id (PK)	Serial	ID for film	Inventory, language, film_category
	title	character varying (255)	Title of film	
	description	text	Description of film	
	release_year	year	Year the film was released	
	language_id (FK)	SMALLINT	ID of language	
	rental_duration	SMALLINT	Duration of rental	
	rental_rate	numeric(4,2)	Rental cost	
	length	SMALLINT	Length of film	
	replacement_cost	numeric(5,2)	Replacement cost if not returned	
	rating	maa_rating	Movie rating	
	last_update	Timestamp w/o Time Zone	Last update of table	
	special_features	text	Features of film	
	fulltext	tsvector	Film index	
language	language_id (PK)	serial	ID of language	Customer, rental, staff
	Name	character (20)	Name of language	
	last_update	Timestamp w/o Time Zone	Last update of table	
Category	film_id (PK)	SMALLINT	ID for film	film_category
	Name	character varying (25)	Name of category	
	last_update	Timestamp w/o Time Zone	Last update of table	
film_category	film_id (FK)	SMALLINT	ID for film	Category, film
	category_id (PK)	SMALLINT	Category of film	
	last_update	Timestamp w/o Time Zone	Last update of table	
Rental	rental_id (PK)	serial	ID of rental	Customer, inventory, staff, payment
	rental_date	Timestamp w/o Time Zone	Date of rental	
	inventory_id (FK)	integer	ID of inventory	
	customer_id (FK)	SMALLINT	ID of customer	
	return_date	Timestamp w/o Time Zone	Date movie was returned	
	staff_id (FK)	SMALLINT	ID of staff	
	last_update	Timestamp w/o Time Zone	Last update of table	

Tables	Column	Data Type	Description	Links to:
payment	payment_id (PK)	serial	ID of payment	Customer, rental, staff
	customer_id (FK)	SMALLINT	ID of customer	
	staff_id (FK)	SMALLINT	ID of staff	
	rental_id (FK)	integer	ID of rental	
	Amount	numeric(5,2)	Cost of rental	
	payment_date	Timestamp w/o Time Zone	Date payment was made	
Customer	customer_id (PK)	serial	ID of customer	address, inventory, payment
	store_id (FK)	SMALLINT	ID of store	
	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 (FK)	SMALLINT	ID of address	
	Activebool	Boolean	Activity	
	create_date	date	Date customer first started	
	last_update	Timestamp w/o Time Zone	Last update of table	
	Active	integer	Active Integer	
Staff	staff_id (PK)	Serial	ID of staff	payment, rental, address, store
	first_name	character varying(45)	Staff first name	
	last_name	character varying(45)	Staff last name	
	address_id (FK)	SMALLINT	ID of address	
	Email	Character varying(50)	Staff email address	
	store_id (FK)	SMALLINT	ID of store	
	Activebool	Boolean	Activity	
	Username	Character varying(16)	Staff Username	
	Password	Character varying(40)	Staff Password	
	last_update	Timestamp w/o Time Zone	Last update of table	
	Picture	bytea	Staff Photo	

Tables	Column	Data Type	Description	Links to:
Store	store_id (PK)	serial	ID of store	staff, address
	manager_staff_ID (FK)	SMALLINT	ID of Manager	
	address_id (FK)	SMALLINT	ID of address	
	last_update	Timestamp w/o Time Zone	Last update of table	
Address	address_id (PK)	serial	ID of address	city, customer, store, staff
	Address	Character varrying(50)	Address line 1	
	Address2	Character varrying(50)	Address line 2	
	District	Character varrying(20)	Phone Number	
	city_id (FK)	SMALLINT	ID of City	
	Postal_code	Character varrying(10)	Postal code	
	Phone	Character varrying(20)	Phone Number	
	last_update	Timestamp w/o Time Zone	Last update of table	
City	city_id (PK)	serial	ID of city	country, address
	City	Character varrying(50)	Name of city	
	country_id (FK)	SMALLINT	ID of Country	
	last_update	Timestamp w/o Time Zone	Last update of table	
Country	country_id (PK)	serial	ID of Country	city
	Country	Character varrying(50)	Country name	
	last_update	Timestamp w/o Time Zone	Last update of table	