Rockbuster Stealth

Data Dictionary

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1. **Entity Relationship Diagram**
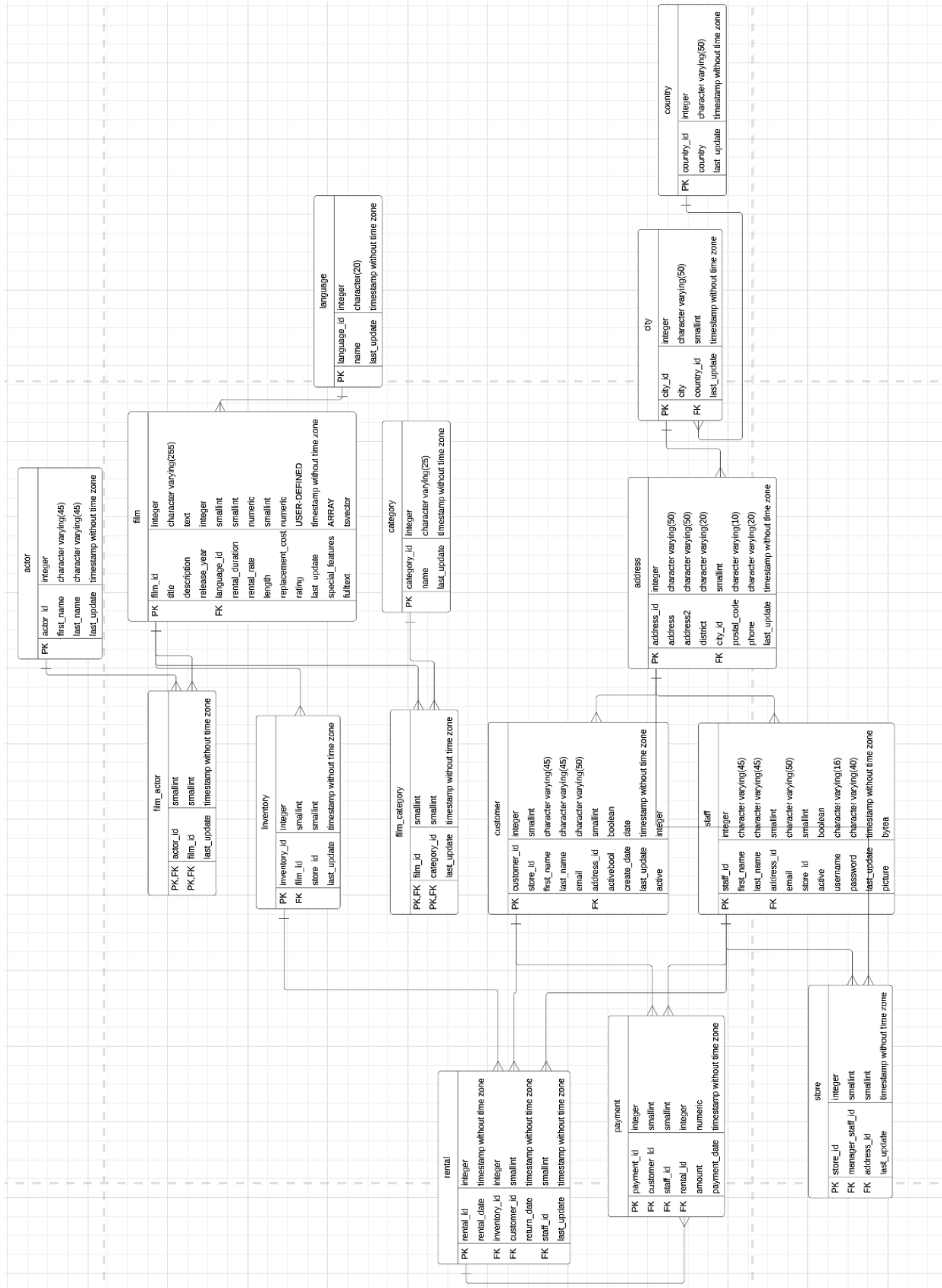
PK- Primary Key
FK- Foreign Key

2. **Fact Tables**

2.1 Payment			
Link	Column	Data Type	Dimension
Linked to: customer, rental, staff	Payment_id (PK)	Serial	Unique identifier for payment
	Customer_id (FK)	Small int	Unique identifier for customer
	Staff_id(FK)	Small int	Unique identifier for staff
	Rental_id(FK)	Integer	ID for rental
	Amount	Numeric	Amount of payment received
	Payment_date	Timestamp without Time Zone	Date of payment

2.2 Rental			
Link	Column	Data Type	Dimension
Linked to: customer, staff, inventory, payment	Rental_id	Serial	Unique identifier for rental
	Rental_date	Timestamp without Time Zone	Date of rental
	Inventory_id	Integer	Unique identifier for inventory
	Customer_id	Small Int	Unique identifier for customer
	Return_date	Timestamp without Time Zone	Date of return
	Staff_id	Small Int	Unique identifier for staff
	Last_update	Timestamp without Time Zone	Time of last update

3. Dimension Tables

3.1 Film_actor			
Link	Column	Data Type	Dimension
Linked to: inventory, language, film_category	Actor_id (PK)	serial	Unique identifier for actor
	Film_id (FK)	Small Int	Unique identifier for film
	Last_update	Timestamp without Time zone	Time of last update

3.2 Inventory			
Link	Column	Data Type	Dimension
Linked to: film, rental	Inventory_id (PK)	Serial	Unique identifier for inventory
	Film_id (FK)	Small int	Unique identifier for film
	Store_id (FK)	Small int	Unique identifier for store
	Last_update	Timestamp without Time Zone	Time of last update

3.3 Film Category			
Link	Column	Data Type	Dimension
Linked to: category, film	Film_id (PK)	Serial	Unique identifier for film
	Category_id (FK)	Small int	Unique identifier for category
	Last_update	Timestamp without time zone	Time of last update

2. Dimension Tables

	3.4 Customer		
Link	Column	Data Type	Dimension
Linked to: address, inventory, payment	Customer_id (PK)	Serial	Unique identifier for customer
	Store_id (FK)	Small int	Unique identifier for store
	First_name	Character varying (45)	Customer's first name
	Last_name	Character varying (45)	Customer's last name
	Email	Character varying (50)	Customer's email address
	Address_id (FK)	Small int	Unique identifier of address
	Activebool	boolean	Whether customer is active
	Create_date	Date	Date customer profile was created
	Last_update	Timestamp without time stamp	Time of last update
	Active	Integer	Active status represented by 0 or 1

	3.5 Store		
Link	Column	Data Type	Dimension
Linked to: staff, address	Store_id (PK)	serial	Unique identifier for store
	Manager_staff_id (FK)	Small int	Unique identifier for manager staff
	Address_id (FK)	Small int	Unique identifier for address
	Last_update	Timestamp without Time Stamp	Time of last update

2. Dimension Tables

3.6 Staff			
Link	Column	Data Type	Dimension
Linked to: payment, rental, address, store	Staff_id (PK)	Serial	Unique identifier of staff member
	First_name	Character varying (45)	First name of staff member
	Last_name	Character varying (45)	Last name of staff member
	Address_id (FK)	Small int	Unique identifier of address
	Email	Character varying (50)	Email of staff
	Store_id (FK)	Small int	Unique store identifier
	Active	Boolean	Active status represented by 0 or 1
	Username	Character varying (16)	Staff member's username
	Password	Character varying (40)	Staff member's password
	Last_update	Timestamp without Time Zone	Time of last update
	Picture	bytea	Picture of staff member

3.7 Actor			
Link	Column	Data Type	Dimension
Linked to: language	Actor_id (PK)	Serial	Unique identifier for actor
	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

2. Dimension Tables

	3.8 Film		
Link	**Column**	**Data Type**	**Dimension**
Linked to: inventory, language, film_category	Film_id	Serial	Unique identifier for film
	Title	Character varying (255)	Title of film
	Description	Text	Description of film
	Release_year	Integer	Film's release year
	Language_id	Small int	Language of film
	Rental_duration	Small int	Duration of rental
	Rental_rate	Numeric	Rate for rental
	Length	Small int	Length of film
	Replacement_cost	Numeric cost	Cost of replacement of film
	Rating	User-defined	Rating of film
	Last_update	Timestamp without Time Zone	Time of last update
	Special_feature	Array	Special features of film
	fulltext	tsvector	Film index

	3.9 Category		
Link	**Column**	**Data Type**	**Dimension**
Linked to: film_category	Category_id (PK)	serial	Unique category identifier
	Name	Character varying (25)	Category name
	Last_update	Timestamp without Time zone	Time of last update

3. Dimension Tables

3.10 Language			
Link	**Column**	**Data Type**	**Dimension**
Linked to: actor, film	Language_id	Serial	Unique identifier for language
	Name	Character (20)	Name of language
	Last_update	Timestamp without Timezone	Time of last update

3.11 Address			
Link	**Column**	**Data Type**	**Dimension**
Linked to: city, customer, staff, store	Address_id (PK)	serial	Unique identifier for address
	Address	Character varying (50)	First line of address
	Address 2	Character varying (50)	Second line of address
	District	Character varying (20)	District of address
	City_id (FK)	Small int	City of address
	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

3. Dimension Tables

	3.12 City		
Link	**Column**	**Data Type**	**Dimension**
Linked to: country, address	City_id (PK)	Serial	Unique identifier for city
	City	Character varying (50)	Name of city
	Country_id (FK)	Small int	Unique identifier for country
	Last_update	Timestamp without time zone	Time of last update

	3.13 Country		
Link	**Column**	**Data Type**	**Dimension**
Linked to: city	Country_id (PK)	Serial	Unique identifier for country
	Country	Character varying (50)	Name of country
	Last_update	Timestamp without time zone	Time of last update