ROCKBUSTER STEALTH LLC
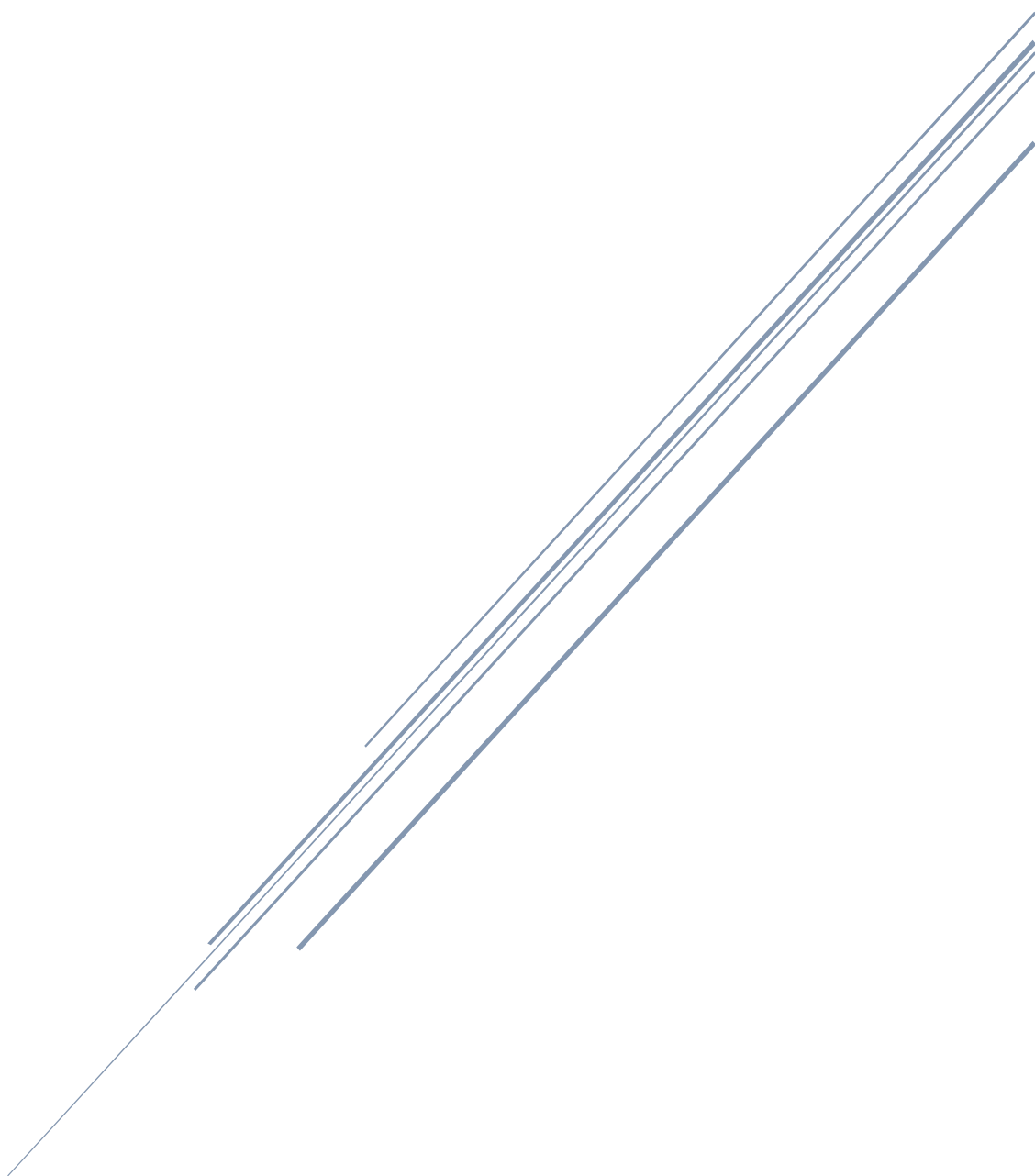
Data dictionary

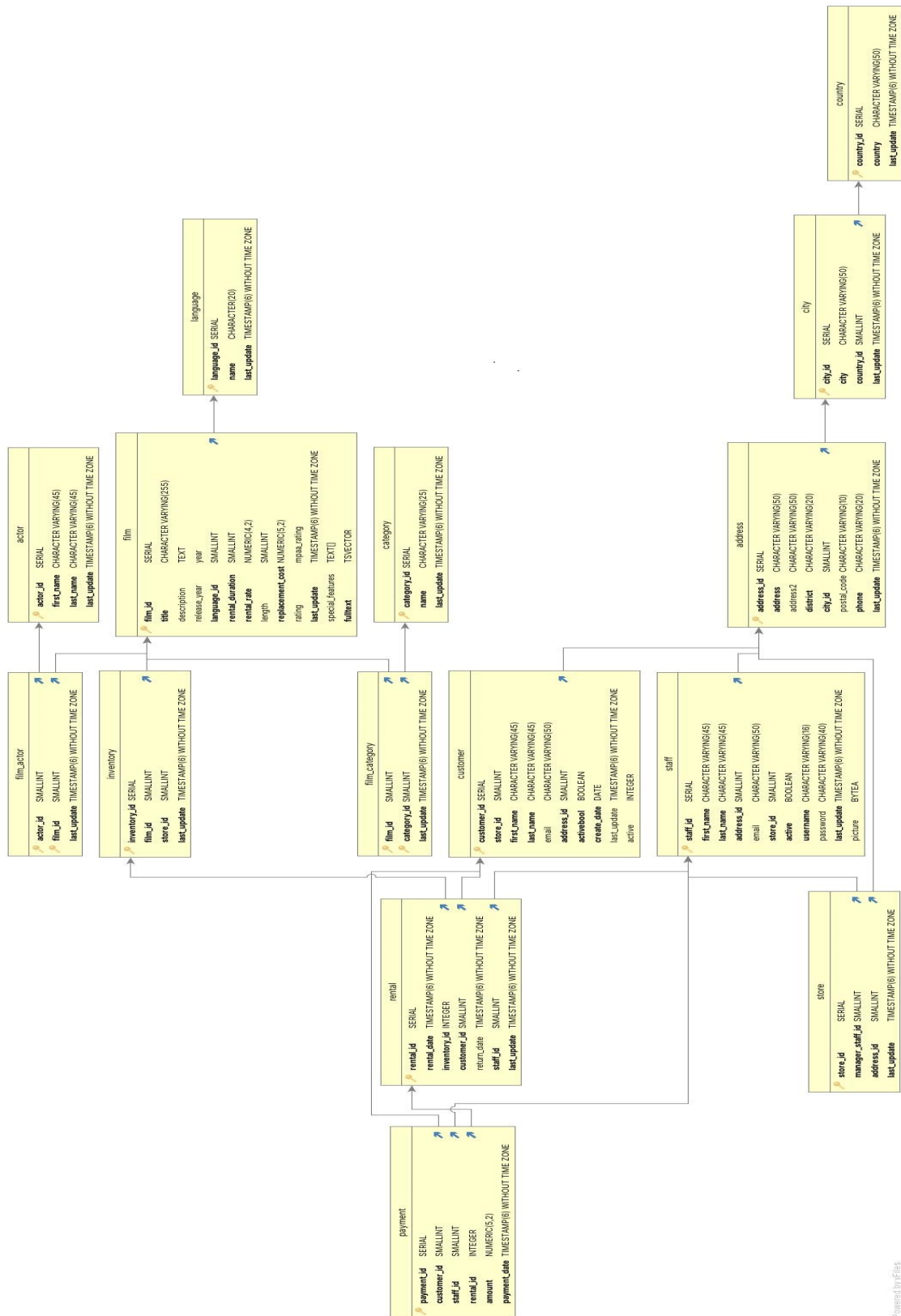**KAMINI MANWAL**

Table of Contents

1.ENTITY RELATIONSHIP DIAGRAM

2.FACT TABLE

2.1 PAYMENT TABLE:

Key	Column	Data Type	Description
Primary key	Payment_id	Serial	Unique identifier for payment
Foreign key	Customer_id	Small int	Unique identifier for customer
Foreign key	Staff_id	Small int	Unique identifier for staff
Foreign key	Rental_id	Integer	Unique identifier for rental
	Amount	Numeric(5,2)	Amount in numeric form
	Payment_date	Timestamp(6) without time zone	Store time and date without time zone

Payment table link to:

Table	Link
Customer	Payment.customer_id=customer.customer_id
Staff	Payment.staff_id=staff.staff_id
Rental	Payment.rental_id=rental.rental_id

Payment table link from: N/A

3. DIMENSION TABLE

3.1 Rental table:

Key	Column	Data type	Description
Primary key	Rental_id	Serial	Unique identifier for rental
	Rental_date	Timestamp(6) without time zone	Store time and date without time zone
Foreign key	Inventory_id	Integer	Unique identifier for inventory
Foreign key	Customer_id	Small int	Unique identifier for customer
	Return_date	Timestamp(6) without time zone	Store time and date without time zone
Foreign key	Staff_id	Small int	Unique identifier for staff
	Last_update	Timestamp(6) without time zone	Store time and date without time zone

Rental table links to:

Table	Link
Inventory	Rental.inventory_id=inventory.inventory_id
Customer	Rental.customer_id=customer.customer_id
Staff	Rental.staff_id=staff.staff_id

Rental table links from:

Table	Link

	Payment		Payment.rental_id=rental.rental_id

3.2 Store table:

Key	Column	Data type	Description
Primary key	Store_id	Serial	Unique identifier for store
Foreign key	Manager_staff_id	Small int	Unique identifier for manager staff
Foreign key	Address_id	Small int	Unique identifier for address
	Last_update	Timestamp(6) without time zone	Store time and date without time zone

Store table links to:

Table	Link
Staff	Store.manager_staff_id=staff.staff_id
Address	Store.address_id=address.address_id

Store table links from: N/A

3.3 Film_actor:

Key	Column	Data type	Description
Primary key, foreign key	Actor_id	Small int	Unique identifier for actor
Primary key, foreign key	Film_id	Small int	Unique identifier for film
	Last_update	Timestamp(6) without time zone	Store time and date without time zone

Film_actor table links to:

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

Film_actor table links from: N/A

3.4 Inventory:

Key	Column	Data type	Description
Primary key	Inventory_id	Serial	Unique identifier for inventory
Foreign key	Film_id	Small int	Unique identifier for film

	Store_id	Small int	Unique identifier for store
	Last_update	Timestamp(6) without time zone	Store time and date without time zone

Inventory table links to:

Table	Link
Film	inventory.film_id = film.film_id

Inventory table links from:

Table	Link
Rental	Rental.inventory_id=inventory.inventory_id

3.5 FILM_CATEGORY

Key	Column	Data type	Description
Primary key,foreign key	Film_id	Small int	Unique identifier for film
Primary key,foreign key	Category_id	Small int	Unique identifier for category
	Last_update	Timestamp(6) without time zone	Store time and date without time zone

Film_category table links to:

Table	Link
Film	Film_category.film_id = film.film_id
Category	Film_category.category.id=category.category_id

Film_category table links from:N/A

3.6 Customer:

Key	Column	Data type	Description
Primary key	Customer_id	Serial	Unique identifier for customer
	Store_id	Small int	Unique identifier for store
	Film_name	Character varying(45)	First name of customer with character 45
	Last_name	Character varying(45)	last name of customer with character 45
	Email	Character varying(50)	email of customer with character 50

Foreign key	Address_id	Small int	Unique identifier for address
	Activebool	Boolean	Status whether customer is active or not
	Create_date	Date	Date of customer profile created
	Last_update	Timestamp(6) without time zone	Last update of customer
	active	Integer	Active status represented by 1 or 0

Customer table links to:

Table	Link
Address	Customer.address_id = address.address_id

Customer table links from:

Table	Link
Rental	Rental.customer_id=customer.customer_id

3.7 Staff:

Key	Column	Data type	Description
Primary key	Staff_id	serial	Unique identifier for staff
	First_name	Character varying(45)	First name of staff with character 45
	Last_name	Character varying(45)	Last name of staff with character 45
Foreign key	Address_id	Small int	Unique identifier for address
	Email	Character varying(50)	email of staff with character 50
	Store_id	Small int	Unique identifier for store
	Active	Boolean	Active status represented by 1 or 0
	Username	Character varying(16)	Staff username
	Password	Character varying(40)	Staff password
	Last_update	Timestamp(6) without time zone	Last update of staff
	Picture	bytea	Picture of staff member

Staff table links to:

Table	Link
Address	staff.address_id = address.address_id

Staff table links from:

Table	Link
Payment	Payment.staff_id=staff.staff_id

3.8 Actor:

Key	Column	Data type	Description
Primary key	Actor_id	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(6) without time zone	Last update of actor profile

Actor table links to: N/A

Actor table links from:

Table	Link
Film_actor	Film_actor.actor_id=actor.actor_id

3.9 Film:

Key	Column	Data type	Description
Primary key	Film_id	serial	Unique identifier for film
	Title	Character varying(255)	title of the film
	Description	Text	Description of the film
	Release_year	Year	Release year of the film
Foreign key	Language_id	Small int	Unique identifier for language
	Rental_duration	Small int	Duration of rental
	Rental_rate	Numeric(4,2)	Cost of rental

	Length	Small int	Length of the film
	Replacement_cost	Numeric(4,2)	cost to replace film
	Rating	Mpaa_rating	Rating of film
	Last_update	Timestamp(6) without time zone	Last update of film profile
	Special_features	Text[]	Special features of film
	Fulltext	Tsvector	full text index; info about significant words and their location

Film table links to:

Table	Link
language	Film.language_id=language.language_id

Film table links from:

Table	Link
Inventory	Inventory.film_id=film.film_id

3.10 Category:

Key	Column	Data type	Description
Primary key	Category_id	Serial	Unique identifier for category
	Name	Character varying(25)	name of category
	Last_update	Timestamp(6) without time zone	Last update of category

Category table links to:N/A

Category table links from:

Table	Link
Film_category	Film_category.category _id=category.catgory_id

3.11 Address:

Key	Column	Data type	Description
Primary key	Address_id	Serial	Unique identifier for address
	Address	Character varying(50)	First line of address
	Address2	Character varying(50)	Second line of address
	District	Character varying(20)	region of address
Foreign key	City_id	Small int	Unique identifier for city
	Postal_code	Character varying(10)	Postal code for address
	Phone	Character varying(20)	Phone of address
	Last_update	Timestamp(6) without time zone	Last update of address

Address table links to:

Table	Link
City	Address.city _id=city.city_id

Address table links from:

Table	Link
Staff	Staff.address _id=address.address_id
Store	Store.address _id=address.address_id
Customer	Customer.address _id=address.address_id

3.12 Language:

Key	Column	Data type	Description
Primary key	Language_id	serial	Unique identifier for language
	Name	Character(20)	Name of language
	Last_update	Timestamp(6) without time zone	Last update of language

Language table links to:

Table	Link
Film	Film.language_id=language.language_id

3.13 City:

Key	Column	Data type	Description
Primary key	City_id	serial	Unique identifier for city
	City	Character varying(50)	Name of city
Foreign key	Country_id	Small int	Unique identifier for country
	Last_update	Timestamp(6) without time zone	Last update of city

City table links to:

Table	Link
Country	Country.country_id=city.country_id

City table links from:

Table	Link
Address	Address.city_id=city.city_id

3.14 Country:

Primary key	Country_id	serial	Unique identifier for country
	Country	Character varying(50)	Name of country
	Last_update	Timestamp(6) without time zone	Last update of country

Country table links from:

Table	Link
city	Country.country_id=city.country_id