

ROCKBUSTER STEALTH, LLC

Data Dictionary

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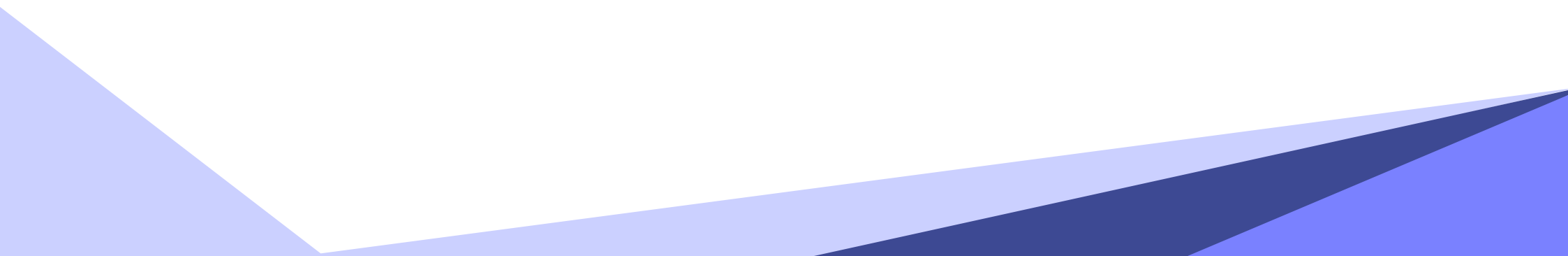
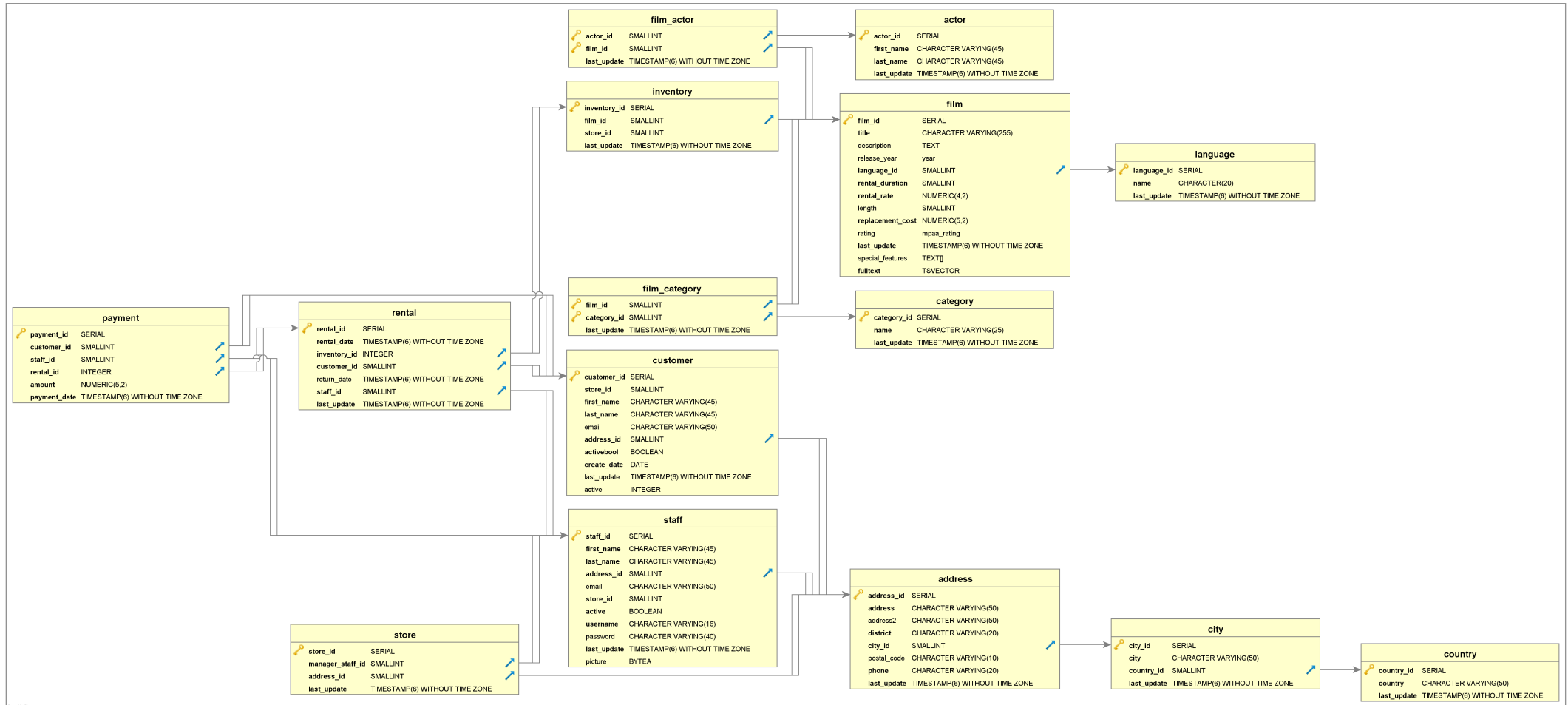
The bottom of the slide features abstract, overlapping geometric shapes in various shades of blue, ranging from a light sky blue to a deep navy blue, creating a modern, layered effect.

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Entity Relationship Diagram (ERD)







LEGEND





-  Primary Key
-  Foreign Key

FACT TABLES

rental




KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	rental_id	SERIAL	Unique identifier number for rental	payment
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of rental	
	inventory_id	INTEGER	Unique identifier number for inventory	inventory
	customer_id	SMALLINT	Unique identifier number for customer	customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of return	
	staff_id	SMALLINT	Unique identifier number for staff	staff
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last date of update	

payment



KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	payment_id	SERIAL	Unique identifier number for payment	
	customer_id	SMALLINT	Unique identifier number for customer	customer
	staff_id	SMALLINT	Unique identifier number for staff	staff
	rental_id	INTEGER	Unique identifier number for rental	rental
	amount	NUMERIC	Paid amount	
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date of payment	

DIMENSION TABLES



customer

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	customer_id	SERIAL	Unique identifier number for customer	payment, rental
	store_id	SMALLINT	Unique identifier number for store	store
	first_name	CHARACTER VARYING(45)	Customer's first name	
	last_name	CHARACTER VARYING(45)	Customer's last name	
	email	CHARACTER VARYING(45)	E-mail address	
	address_id	SMALLINT	Unique identifier number for address	address
	activebool	BOOLEAN	Customer active state as true or false	
	create_date	DATE	Account's creation date	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	
	active	INTEGER	Customer active state as 1 (active) or 0 (inactive)	




address

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	address_id	SERIAL	Unique identifier number for store	customer , staff , store
	address	CHARACTER VARYING(50)	Unique identifier number for manager staff	
	address2	CHARACTER VARYING(50)	Unique identifier number for address	
	district	CHARACTER VARYING(20)	Last update date	
	city_id	SMALLINT	Unique identifier number for city	city
	postal_code	CHARACTER VARYING(10)	City zip code	
	phone	CHARACTER VARYING(20)	Phone number	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	



store

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	store_id	SERIAL	Unique identifier number for store	customer , inventory , staff
	manager_staff_id	SMALLINT	Unique identifier number for manager staff	
	address_id	SMALLINT	Unique identifier number for address	address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	


staff

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	staff_id	SERIAL	Unique identifier number for staff	payment, rental
	first_name	CHARACTER VARYING(45)	Customer's first name	
	last_name	CHARACTER VARYING(45)	Customer's last name	
	address_id	SMALLINT	Unique identifier number for address	address
	Email	CHARACTER VARYING(50)	E-mail address	
	store_id	SMALLINT	Unique identifier number for store	store
	active	BOOLEAN	Is the account currently active?	
	username	CHARACTER VARYING(16)	identification used by staff to get access to network	
	password	CHARACTER VARYING(40)	Staff's password	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	
	picture	BYTEA	Picture of the staff person	



city

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	city_id	SERIAL	Unique identifier number for city	address
	city	CHARACTER VARYING(50)	City of residence	
	country_id	SMALLINT	Unique identifier number for country	country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	


country

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	country_id	SERIAL	Unique identifier number for store	city
	country	SMALLINT	Unique identifier number for manager staff	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	




film_actor

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	actor_id	SMALLINT	Unique identifier number for actor	actor
	film_id	SMALLINT	Unique identifier number for film	film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	



actor

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	actor_id	SERIAL	Unique identifier number for actor	film_actor
	first_name	CHARACTER VARYING(45)	Actor's first name	
	last_name	CHARACTER VARYING(45)	Actor's last name	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	



Inventory

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	inventory_id	SERIAL	Unique identifier number for inventory	rental
	film_id	SMALLINT	Unique identifier number for film	film
	store_id	SMALLINT	Unique identifier number for store	store
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	


film

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	film_id	SERIAL	Unique identifier number for film	film_actor , film_category , inventory
	title	CHARACTER VARYING(255)	Film's title	
	description	TEXT	Film's description	
	release_year	year	Year when film was released	
	language_id	SMALLINT	Unique identifier number for language	language
	rental_duration	SMALLINT	The time between rent due dates	
	rental_rate	NUMERIC(4,2)	Frequency % of rental	
	length	SMALLINT	Duration of movie	
	replacement_cost	NUMERIC(5,2)	Cost to replace the film	
	rating	mpaa_rating	classification of films based on their suitability for audiences due to their treatment of certain issues	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	
	special_features	TEXT[]	Special features of the film	
	fulltext	TSVECTOR	Text of the film	


film_category

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	film_id	SERIAL	Unique identifier number for film	film
	category_id	SMALLINT	Unique identifier number for category	category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	

language

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	language_id	SERIAL	Unique identifier number for language	film
	name	CHARACTER VARYING(25)	Name of the language	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	

category

KEY	COLUMN	DATA TYPE	DESCRIPTION	LINKS TO TABLE
	category_id	SERIAL	Unique identifier number for inventory	film_category
	name	CHARACTER VARYING(25)	Name of the language	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Last update date	