Rockbuster Stealth LLC

DATA DICTIONARY EASTON GORMAN

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1. Entity-Relationship Diagram (ERD) Legend: Primary Key (PK) film_actor actor Foreign Key actor_id SMALLINT actor_id SERIAL film_id SMALLINT first_name CHARACTER YARYING(45) last_update TIMESTAMP(6) WITHOUT TIME ZONE last_name CHARACTER YARYING(45) last_update TIMESTAMP(6) WITHOUT TIME ZONE inventory_id SERIAL film_id SMALLINT SERIAL store_id SMALLINT title CHARACTER YARYING(255) last_update TIMESTAMP(6) WITHOUT TIME ZONE TEXT description language release_year SMALLINT language_id SMALLINT name CHARACTER(20) NUMERIC(4.2) fast_update TIMESTAMP(6) WITHOUT TIME ZONE rental_rate SMALLINT length replacement_cost N.MERIC(5,2) TIMESTAMP(6) WITHOUT TIME ZONE last_update special_features TEXT[] fulltext TSVECTOR film_category film_id SMALLINT category_id SMALLINT category_id SERIAL rental_id SERIAL Inst_update TIMESTAMP(6) WITHOUT TIME ZONE payment_id SERIAL name CHARACTER VARYING(25) rental_date TIMESTAMP(6) WITHOUT TIME ZONE customer_id SMALLINT last_update TIMESTAMP(6) WITHOUT TIME ZONE inventory_id INTEGER staff_id SMALLINT customer customer_id SMALLINT INTEGER rental_id return_date TIMESTAMP(6) WITHOUT TIME ZONE customer_id_SERIAL amount NJMERIO(5,2) staff_id SMALLINT store_id SMALLINT payment_date TIMESTAMP(6) WITHOUT TIME ZONE last_update TIMESTAMP(6) WITHOUT TIME ZONE first_name CHARACTER VARYING(45) last_name CHARACTER VARYING(45) email CHARACTER VARYING(50) address_id SMALLINT activation BOOLEAN create_date DATE last_update TIMESTAMP(6) WITHOUT TIME ZONE active INTEGER staff_id SERIAL first_name CHARACTER YARYING(45) last_name CHARACTER VARYING(45) address_id SMALLINT CHARACTER VARYING(50) store_id SMALLINT address CHARACTER VARYING(50) active BOOLEAN address2 CHARACTER VARYING(50) usemane CHARACTER VARYING(16) CHARACTER VARYING(20)

dty_id

SMALLINT

postal_code CHARACTER VARYING(10)

phone CHARACTER VARYING(20)

fast_update TIMESTAMP(6) WITHOUT TIME ZONE

dity_id SERIAL

country_id SMALLINT

CHARACTER YARYING(50)

fast_update TIMESTAMP(6) WITHOUT TIME ZONE

password CHARACTER VARYING(40)

picture BYTEA

store_id

address_id

last_update

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manager_staff_id_SMALLINT

SMALLINT

TIMESTAMP(6) WITHOUT TIME ZONE

last_update TIMESTAMP(6) WITHOUT TIME ZONE

country_id SERIAL

country CHARACTER VARYING(50)

last_update TIMESTAMP(6) WITHOUT TIME ZONE

2. Fact Tables:

	Column	Data Type	Description
	Payment_id		
	(PK)	Serial	Unique payment identifier
Payment	Customer_id		
– linked to	(FK)	Small Int	Unique customer identifier
rental,	Staff_id (FK)	Small Int	Unique staff identifier
customer,	Rental_id (FK)	Integer	Unique rental identifier
staff			Amount of payment
	Amount	Numeric (5, 2)	received
		Timestamp w/o Time	
	Payment_date	Zone	Date of payment

	Rental_id (PK)	Serial	Unique rental indentifier
	Rental_date	Timestamp w/o Time	
	(FK)	Zone	Date of rental
Rental –	Inventory_id		
linked to	(FK)	Integer	Unique inventory identifier
customer,	Customer_id		
inventory,	(FK)	Small Int	Unique customer identifier
staff,		Timestamp w/o Time	
payment	Return_date	Zone	Date of return
	Staff_id (FK)	Small Int	Unique staff identifier
		Timestamp w/o Time	
	Last_update	Zone	Time of last update

3. <u>Dimension Tables:</u>

Active

	Column	Data Type	Description
Store –	Store_id (PK)		Unique identifier of store
linked to	Manager_staff_id		Unique identifier of manager
address,	(FK)	Small Int	staff
staff	Address_id (FK)	Small Int	Unique identifier of address
Stan		Timestamp w/o Time	
	Last_update	Zone	Time of last update

	Last_update	Zone	Time of last update
	Column	Data Type	Description
Film_actor -	Actor_id (PK, FK)	Small Int	Unique identifier of actor
linked to	Film_id (PK,FK)	Small Int	Unique identifier of film
actor, film		Timestamp w/o Time	
	Last_update	Zone	Time of last update
	Inventory_id (PK)	Serial	Unique identifier of inventory
Inventory –	Film_id (FK)	Small Int	Unique identifier of film
linked to film,	Store_id (FK)	Small Int	Unique identifier of store
rental		Timestamp w/o Time	
	Last_update	Zone	Time of last update
		T	
	Film_id (PK, FK)	Small Int	Unique identifier of film
Film_category	Category_id (PK,		
– linked to	FK)	Small Int	Unique identifier of category
category, film		Timestamp w/o Time	
	Last_update	Zone	Time of last update
	Customer_id (PK)	Small Int	Unique customer identifier
		Small Int	Unique customer identifier
	Store_id (FK)		Unique store identifier
	First_name	Character Varying (45)	First name of customer
Customer –	Last_name	Character Varying (45)	Last name of customer
linked to	Email	Character Varying (50)	Email address of customer
address,	Address_id (FK)	Small Int	Unique address identifier
payment,	Activebool	Boolean	Customer active?
address			Date of customer profile
	Create_date	Date	creation
		Timestamp w/o Time	
	Last_update	Zone	Time of last update

Integer

Customer active? (0, 1)

Staff – linked to address, payment, rental, store Actor – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor Film – linked to film_actor, film_category, inventory, language Category – linked to film_category = linked to fi		1	T	
Staff – linked to address, payment, rental, store Actor – linked to film_actor Film – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor Film – linked to film — linked to fil		C+-ff :4 (DK)	Carial	•
Staff – linked to address, payment, rental, store Active Boolean Staff active? Username Character Varying (40) Password of staff member Active Bytea Staff picture Actor – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor Film – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor Category – linked to film stage of the stage o				
Address_id (FK) Small Int Unique address identifier		_		
Email				
to address, payment, rental, store Store_id (FK) Small Int Unique store identifier	Staff – linked			
Store_Id (FK)				
rental, store Active				'
Password Character Varying (40) Password of staff member Timestamp w/o Time Last_update Zone Time of last update Picture Bytea Staff picture Actor – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film – linked to film_actor Film – linked to film_actor, film_category linked to film_actor, film_category linked to film_actor, film_category Category – linked to film category linked to film Category – linked to film_actor, film_category Category – linked to film category Category – linked to film category linked to film category linked to film_actor, film_category linked to film_actor, film_acto		Active	Boolean	
Timestamp w/o Time Time of last update Zone Time of last update Zone Time of last update Zone Staff picture		Username	Character Varying (16)	
Last_update Zone Time of last update		Password	Character Varying (40)	Password of staff member
Actor – linked to film_actor Film – linked to film_actor, film_category, inventory, language Film — language Film — language Film — language Film — linked to film_actor, film_category, inventory, language Film — language Film — language Film — language Film — linked to film — language of film			Timestamp w/o Time	
Actor – linked to film_actor Actor_id (PK)		Last_update	Zone	Time of last update
Film – linked to film_actor Film – linked to film_actor Film – linked to film_actor, film_category, inventory, language Category – linked to film category Inked to film c		Picture	Bytea	Staff picture
Film – linked to film_actor Film – linked to film_actor Film – linked to film_actor, film_category, inventory, language Category – linked to film category Inked to film c				
Actor – linked to film_actor Last_name Character Varying (45) Last name of actor Timestamp w/o Time Zone Time of last update Film_id (PK) Title Character Varying (255) Title of film Description Release_year Language_id (FK) Small Int Rental_duration Small Int Language of film Rental_rate Length Replacement_cost Numeric (4, 2) Rate of rental Length of film Replacement cost of film Replacement cost of film Replacement cost of film Timestamp w/o Time Last_update Special_features Fulltext Category – linked to film category Timestamp w/o Time Category – linked to film category Timestamp w/o Time Category – linked to film category Timestamp w/o Time Character Varying (25) Name Character Varying (25) Name of category Timestamp w/o Time		Actor_id (PK)	Serial	Unique identifier of actor
to film_actor Last_name	Actor linked	First_name	Character Varying (45)	First name of actor
Film – linked to film_category, inventory, language Category – linked to film category – linked to film actor, film category – linked to film categ		Last_name	Character Varying (45)	Last name of actor
Film – linked to film_category, inventory, language Replacement_cost Numeric (5, 2) Rating Mpaa_rating Rating Rating of film Timestamp w/o Time Category – linked to film category Inked to film_category Inked to film_category, inventory, language Inked to film_category Inked to film_c	to min_actor		Timestamp w/o Time	
Film – linked to film_actor, film_category, inventory, language East_update Special_features Fulltext Title Character Varying (255) Title of film Description of film Description of film Release_year Year Year of film release Language of film Rental_duration Small Int Rental_rate Numeric (4, 2) Rate of rental Length of film Replacement_cost Numeric (5, 2) Rating Mpaa_rating Rating of film Timestamp w/o Time Zone Special_features Text [] Special feature of film Fulltext Tsvector Time of last update Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Time of category Name Character Varying (25) Name of category Timestamp w/o Time		Last_update	Zone	Time of last update
Film – linked to film_actor, film_category, inventory, language East_update Special_features Fulltext Title Character Varying (255) Title of film Description of film Description of film Release_year Year Year of film release Language of film Rental_duration Small Int Rental_rate Numeric (4, 2) Rate of rental Length of film Replacement_cost Numeric (5, 2) Rating Mpaa_rating Rating of film Timestamp w/o Time Zone Special_features Text [] Special feature of film Fulltext Tsvector Time of last update Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Time of category Name Character Varying (25) Name of category Timestamp w/o Time				
Film – linked to film_actor, film_category, inventory, language East_update Special_features Film – linked to film_actor, film_category inventory, language Category – linked to film_category Inked to film_actor, film_category inventory, language Category – linked to film_category Inked to film_category Category – linked to film_category Inked to film_cate		Film_id (PK)	Serial	Unique identifier of film
Film – linked to film_actor, film_category, inventory, language Release_year Year Year of film release Language_id (FK) Small Int Language of film Rental_duration Small Int Duration of rental Rental_rate Numeric (4, 2) Rate of rental Length Small Int Length of film Replacement_cost Numeric (5, 2) Replacement cost of film Rating Mpaa_rating Rating of film Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Category – linked to film category Timestamp w/o Time Timestamp w/o Time Category – linked to film category Timestamp w/o Time		Title	Character Varying (255)	Title of film
Film – linked to film_actor, film_category, inventory, language Replacement_cost Numeric (4, 2) Replacement cost of film Replacement_cost Numeric (5, 2) Replacement cost of film Rating Mpaa_rating Rating of film Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Category – linked to film category Timestamp w/o Time Category – linked to film category Timestamp w/o Time Timestamp w/o Time Category – linked to film category Timestamp w/o Time Timestamp w/o Time		Description	Text	Description of film
Film – linked to film_actor, film_category, inventory, language Rental_duration Small Int Duration of rental Rental_rate Numeric (4, 2) Rate of rental Length Small Int Length of film Replacement_cost Numeric (5, 2) Replacement cost of film Replacement_cost Numeric (5, 2) Replacement cost of film Rating Mpaa_rating Rating of film Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to Serial Unique identifier of category Name Character Varying (25) Name of category Timestamp w/o Time		Release_year	Year	Year of film release
to film_actor, film_category, inventory, language		Language_id (FK)	Small Int	Language of film
film_category, inventory, language Rental_rate		Rental_duration	Small Int	Duration of rental
inventory, language Length Small Int Length of film Replacement_cost Numeric (5, 2) Replacement cost of film Rating Mpaa_rating Rating of film Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category - linked to film category Name Character Varying (25) Name of category Timestamp w/o Time		Rental_rate	Numeric (4, 2)	Rate of rental
Replacement_cost Numeric (5, 2) Replacement cost of film Rating Mpaa_rating Rating of film Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Category — Category_id (PK) Serial Unique identifier of category Name Character Varying (25) Name of category Timestamp w/o Time		Length	Small Int	Length of film
Rating Mpaa_rating Rating of film Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Category — Category — Character Varying (25) Timestamp w/o Time	•		Numeric (5, 2)	
Timestamp w/o Time Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Time of last update Unique identifier of category Name Character Varying (25) Name of category Timestamp w/o Time	language	-	, , ,	-
Last_update Zone Time of last update Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Time of last update Special feature of film Unique identifier of category Name Character Varying (25) Timestamp w/o Time			· - ·	
Special_features Text [] Special feature of film Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Special feature of film Unique identifier of category Name Character Varying (25) Name of category		Last update	•	Time of last update
Fulltext Tsvector Film index Category – linked to film category Timestamp w/o Time Fulltext Tsvector Film index Unique identifier of category Name Character Varying (25) Name of category		<u> </u>		
Category – linked to film category		_		•
Category – linked to film_category Timestamp w/o Time	<u> </u>	1	1	
linked to film category Name Character Varying (25) Name of category Timestamp w/o Time	Catalan	Category_id (PK)	Serial	Unique identifier of category
film category Timestamp w/o Time		Name	Character Varying (25)	Name of category
min category				
Last_update Zone Time of last update	category	Last_update	Zone	Time of last update

	Address_id (PK)	Serial	Unique identifier of address
	Address	Character Varying (50)	First line of address
0 d due e e	Address2	Character Varying (50)	Second line of address
Address – linked to city,	District	Character Varying (20)	District of address
customer,	City_id (FK)	Small Int	Unique identifier of city
staff, store	Postal_code	Character Varying (10)	Postal code of address
	Phone	Character Varying (20)	Phone number of address
		Timestamp w/o Time	
	Last_update	Zone	Time of last update
	Language_id (PK)	Serial	Unique identifier of language
Language –	Name	Character Varying (20)	Name of language
linked to film		Timestamp w/o Time	
	Last_update	Zone	time of last update
	T		
	City_id (PK)	Serial	Unique identifier of city
City – linked	City	Character Varying (50)	Name of city
to address,	Country_id (FK)	Small Int	Unique identifier of country
country		Timestamp w/o Time	
	Last_update	Zone	Time of last update
	T		
	Country_id (PK)	Serial	Unique identifier of country
Country –	Country	Character Varying (50)	Name of country
linked to city		Timestamp w/o Time	
	Last_update	Zone	Time of last update