Rockbuster Stealth
Data Dictionary

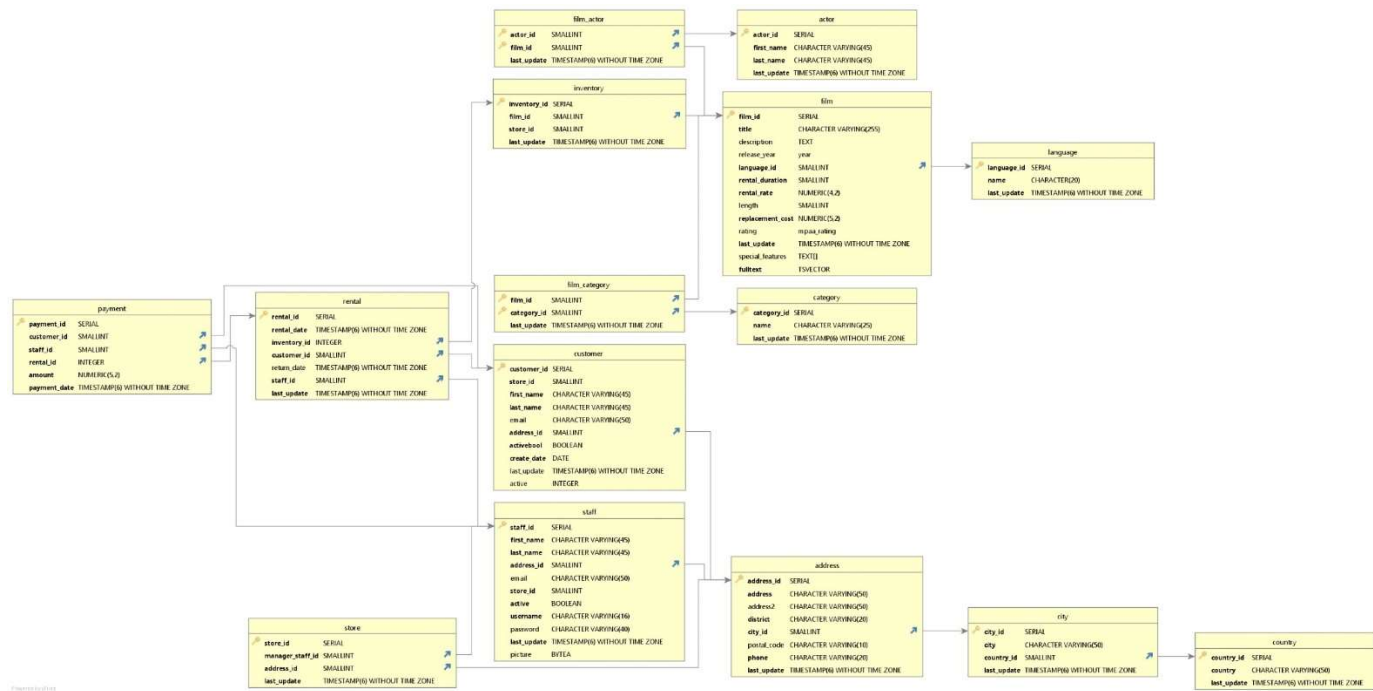Table of Content

Chapter 1: Entity Relationship Diagram

Figure1: Entity Relationship Diagram

Chapter2: Legend

Primary Key

Foreign Key

Chapter3: Fact Tables

Chapter3.1: Rentals

Column	Data Type	Description	Link to
rental_id	serial	The unique id assigned to each movie rental	Payment
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of when it was rented out	
inventory_id	intiger	The id assigned for record keeping	Inventory
customer_id	SMALLINT	Customer id to whom the movie was issued	Customer
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of return	
staff_id	SMALLINT	The id assigned to each staff	Staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter3.2: Payments

Column	Data Type	Description	Link to
payment_id	serial	The id assigned for record-keeping	
customer_id	SMALLINT	Customer id to whom the movie was issued	Customer
staff_id	serial	The id assigned to each staff	Staff
rental_id	serial	The unique id assigned to each movie rental	Rental
amount	numeric	The amount paid by the customer	
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time of payment	

Chapter4: Dimension Tables

Chapter4.1: Customer

Customer			
Column	**Data Type**	**Description**	**Link to**
customer_id	serial	Customer id to whom the movie was issued	Rental, Payment
store_id	SMALLINT	The unique id assigned to each store	Store
first_name	CHARACTER VARYING(45)	First name of customer	
last_name	CHARACTER VARYING(45)	Last name of customer	
email	CHARACTER VARYING(45)	Email address of customer	
address_id	SMALLINT	Postal address of customer	Address
activebool	bool	Status whether customer is active or not	
create_date	date	creation data	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
active	SMALLINT	Status whether customer is active or not	

Chapter4.2: Staff

Staff			
Column	**Data Type**	**Description**	**Link to**
staff_id	serial	The id assigned to each staff	Payment
first_name	CHARACTER VARYING(45)	First name of customer	
last_name	CHARACTER VARYING(45)	Last name of customer	
address_id	SMALLINT	Postal address of customer	Address
email	CHARACTER VARYING(45)	Email address of customer	
store_id	SMALLINT	The unique id assigned to each store	Store
active	bool	Status whether customer is active or not	
username	CHARACTER VARYING(45)	user id of staff	
password	CHARACTER VARYING(45)	password of staff	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
picture	bytea	Picture of staff	

Chapter4.3: Inventory

Inventory			
Column	**Data Type**	**Description**	**Link to**
inventory_id	serial	The id assigned for record-keeping	Rental
film_id	SMALLINT	The unique id assigned to each movie	Film
store_id	SMALLINT	The unique id assigned to each store	Store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.4: Film

Column	Data Type	Description	Link to
film_id	SMALLINT	The unique id assigned to each movie	Inventory, Rental, Payment
title	varchar	Film Title	
description	text	Film Description	
release_year	year	Film Release_Year	
language_id	int2	Film Language_Id	Language
rental_duration	int2	Film Rental_Duration	
rental_rate	numeric	Film Rental_Rate	
length	int2	Film Length	
replacement_cost	numeric	Film Replacement_Cost	
rating	mpaa_rating	Film Rating	
last_update	timestamp	Film Last_Update	
special_features	_text	Film Special_Features	
fulltext	tsvector	Film Fulltext	

Chapter4.5: Film Category

Film category			
Column	Data Type	Description	Link to
film_id	SMALLINT	The unique id assigned to each movie	Film
category_id	SMALLINT	The unique id assigned to each movie category	Category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.6: Language

Language			
Column	Data Type	Description	Link to
language_id	serial	ID assigned to language(s) movie is available in	Language
name	bpchar	Name of language	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.7: Address

Address			
Column	Data Type	Description	Link to
address_id	serial	Postal address of store	Customer, Store, Staff
address	varchar	Postal address of store	
address2	varchar	Postal address of store	
district	varchar	Postal address of store	
city_id	int2	City	City
postal_code	varchar	Postal code	
phone	varchar	Phone Number	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.8: City

City			
Column	Data Type	Description	Link to
city_id	serial	City Name	Address
city	varchar	City Name	
country_id	int2	Country code	Country
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.9: Country

Country			
Column	Data Type	Description	Link to
country_id	serial	Country code	City
country	varchar	Country Name	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.10: Actor

Actor			
Column	**Data Type**	**Description**	**Link to**
actor_id	serial	The unique id assigned to each actor	Film actor
first_name	CHARACTER VARYING(45)	First name of customer	
last_name	CHARACTER VARYING(45)	Last name of customer	
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

Chapter4.11: Store

Store			
Column	**Data Type**	**Description**	**Link to**
store_id	SMALLINT	The unique id assigned to each store	Customer, Inventory, Staff
manager_staff_id	int2	The unique id assigned to each manager	
address_id	int2	address of the store	Address
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	