

# Data Dictionary

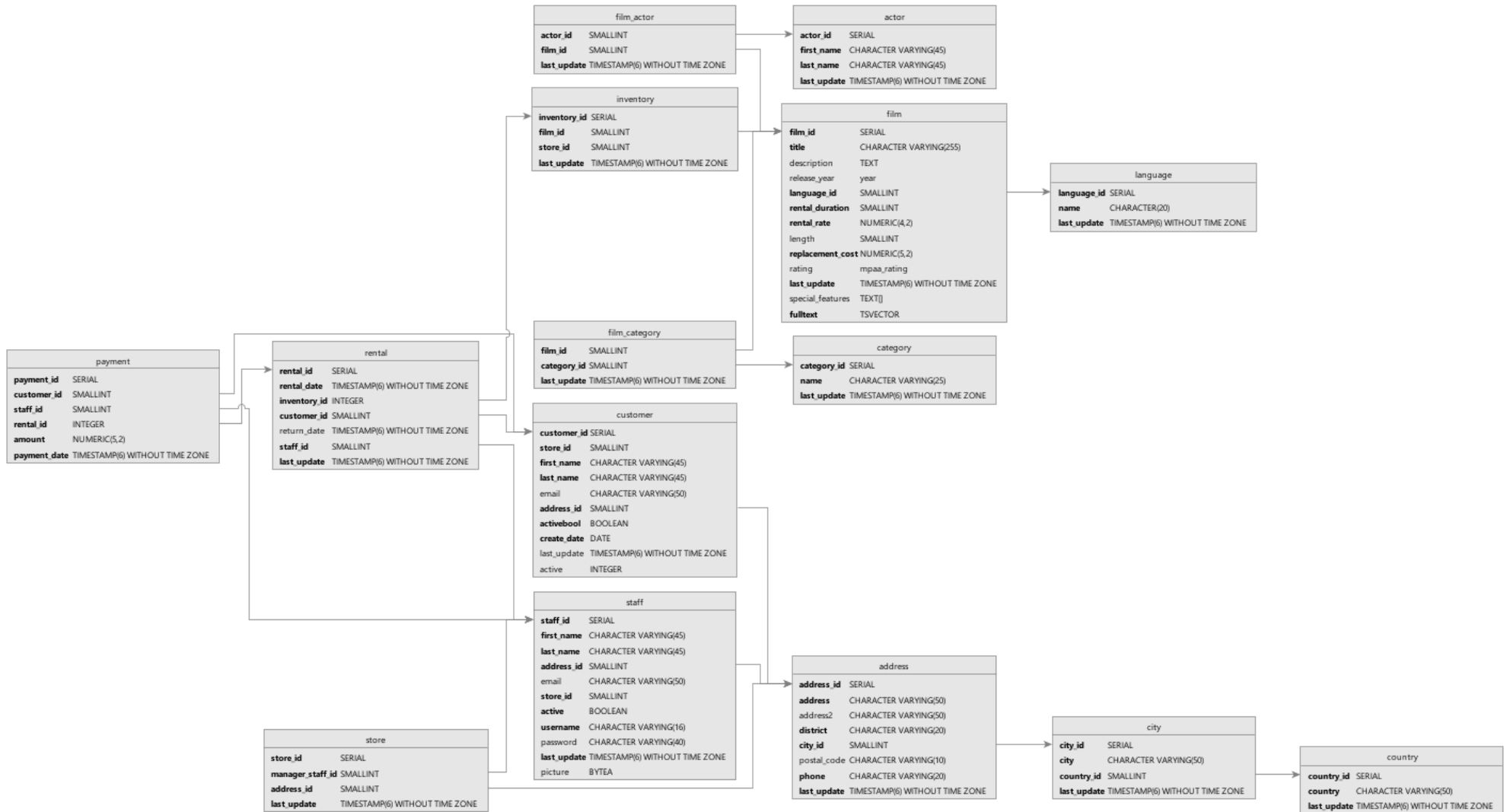
ROCKBUSTER STEALTH STORAGE & STRUCTURE

JUDITH IFARINDE LAY



## Contents

1.	Entity Relationship Diagram .....	2
2.	Legend .....	3
3.	Tables.....	3
3.1	Rental.....	3
3.1.1	Table: Rental .....	3
3.1.2	Table: Payment.....	3
3.2	Film Category.....	4
3.2.1	Table: Film Category .....	4
3.2.2	Table: Category.....	4
3.3	Film Inventory.....	4
3.3.1	Table: Inventory.....	4
3.3.2	Table: Film .....	5
3.3.3	Table: Language.....	5
3.3.4	Table: Film Actor.....	6
3.3.5	Table: Actor .....	6
3.4	People .....	6
3.4.1	Table: Customer .....	6
3.4.2	Table: Staff.....	7
3.5	Location .....	7
3.5.1	Table: Store.....	7
3.5.2	Table: Address .....	8
3.5.3	Table: City .....	8
3.5.4	Table: Country .....	8

# 1. Entity Relationship Diagram







## 2. Legend

	Primary Key
	Unique Key





## 3. Tables

### 3.1 Rental

#### 3.1.1 Table: Rental



Key	Columns	Data Type	Description	Links
	rental_id	SERIAL	The unique id assigned to each movie rental	
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	The date and time of when it was rented out	
	inventory_id	Integer	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	

#### 3.1.2 Table: Payment


Key	Columns	Data Type	Description	Links
	payment_id	SERIAL	The id assigned for record keeping	
	customer_id	SMALLINT	Customer id to whom the movie was issued	Customer
	staff_id	SMALLINT	The unique id assigned to each store	Staff
	rental_id	INTEGER	The unique id assigned to each movie rental	Rental
	amount	NUMERIC(5,2)	The amount paid by customer	
	payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Time of payment	

## 3.2 Film Category

### 3.2.1 Table: Film Category




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

### 3.2.2 Table: Category



Key	Columns	Data Type	Description	Links
	category_id	SERIAL	The unique id assigned to each movie category	
	name	CHARACTER VARYING(25)	Name of category	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

## 3.3 Film Inventory


### 3.3.1 Table: Inventory

Key	Columns	Data Type	Description	Links
	inventory_id	SERIAL	The id assigned for record keeping	
	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	



### 3.3.2 Table: Film

Key	Columns	Data Type	Description	Links
	film_id	SERIAL	The unique id assigned to each movie	
	title	CHARACTER VARYING(255)	Title of the movie	
	description	TEXT	What is the movie about	
	release_year	year	Year of release	
	language_id	SMALLINT	ID assigned to language(s) movie is available in	Language
	rental_duration	SMALLINT	Length of time for which movie is on rent	
	rental_rate	NUMERIC(4,2)	Price of rent	
	length	SMALLINT	Duration of movie	
	replacement_cost	NUMERIC(5,2)	Cost of replacement in the case of loss or theft	
	rating	mpaa-rating	Movie rating	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
	special_features	TEXT[]	If there are any special features available (HD, subtitles, etc.)	
	fulltext	TSVECTOR	Keywords	


### 3.3.3 Table: Language

Key	Columns	Data Type	Description	Links
	language_id	SERIAL	ID assigned to language(s) movie is available in	
	name	CHARACTER(20)	Name of language	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

### 3.3.4 Table: Film Actor




Key	Columns	Data Type	Description	Links
	actor_id	SMALLINT	The unique id assigned to an actor	
	film_id	SMALLINT	The unique id assigned to each movie	Film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

### 3.3.5 Table: Actor




Key	Columns	Data Type	Description	Links
	actor_id	SERIAL	The unique id assigned to an 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	Time of last updated status	

## 3.4 People

### 3.4.1 Table: Customer




Key	Columns	Data Type	Description	Links
	customer_id	SERIAL	Customer id to whom the movie was issued	
	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(50)	Email address of customer	
	address_id	SMALLINT	Postal address of customer	Address
	activebool	BOOLEAN	Status whether customer is active or not	
	create_date	DATE	Creation date	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
	active	INTEGER	Status of customer	

### 3.4.2 Table: Staff

Key	Columns	Data Type	Description	Links
	staff_id	SERIAL	The id assigned to each staff	
	first_name	CHARACTER VARYING(45)	First name of staff	
	last_name	CHARACTER VARYING(45)	Last name of staff	
	address_id	SMALLINT	Postal address of staff	Address
	email	CHARACTER VARYING(50)	Email address of staff	
	store_id	SMALLINT	The unique id assigned to each store	Store
	active	BOOLEAN	Status whether customer is active or not	
	username	CHARACTER VARYING(16)	Username of staff	
	password	CHARACTER VARYING(40)	Password of staff	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	
	picture	BYTEA	Picture of staff	



## 3.5 Location

### 3.5.1 Table: Store



Key	Columns	Data Type	Description	Links
	store_id	SERIAL	The unique id assigned to each store	
	manager_staff_id	SMALLINT	ID of Manager	Staff
	address_id	SMALLINT	Postal address of store	Address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	




### 3.5.2 Table: Address

Key	Columns	Data Type	Description	Links
	address_id	SERIAL	Postal address of store	
	address	CHARACTER VARYING(50)	Postal address of store	
	address2	CHARACTER VARYING(50)	Postal address of store	
	district	CHARACTER VARYING(20)	Time of last updated status	
	city_id	SMALLINT	City	City
	postal_code	CHARACTER VARYING(10)	Postal Code	
	Phone	CHARACTER VARYING(20)	Phone number	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

### 3.5.3 Table: City

Key	Columns	Data Type	Description	Links
	city_id	SERIAL	Id assigned to City	
	name	CHARACTER VARYING(50)	Name of City	
	country_id	SMALLINT	Country code	Country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	

### 3.5.4 Table: Country

Key	Columns	Data Type	Description	Links
	country_id	SERIAL	Country code	
	country	CHARACTER VARYING(50)	Name of Country	
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Time of last updated status	