

Data Dictionary

► Rockbuster Stealth LLC

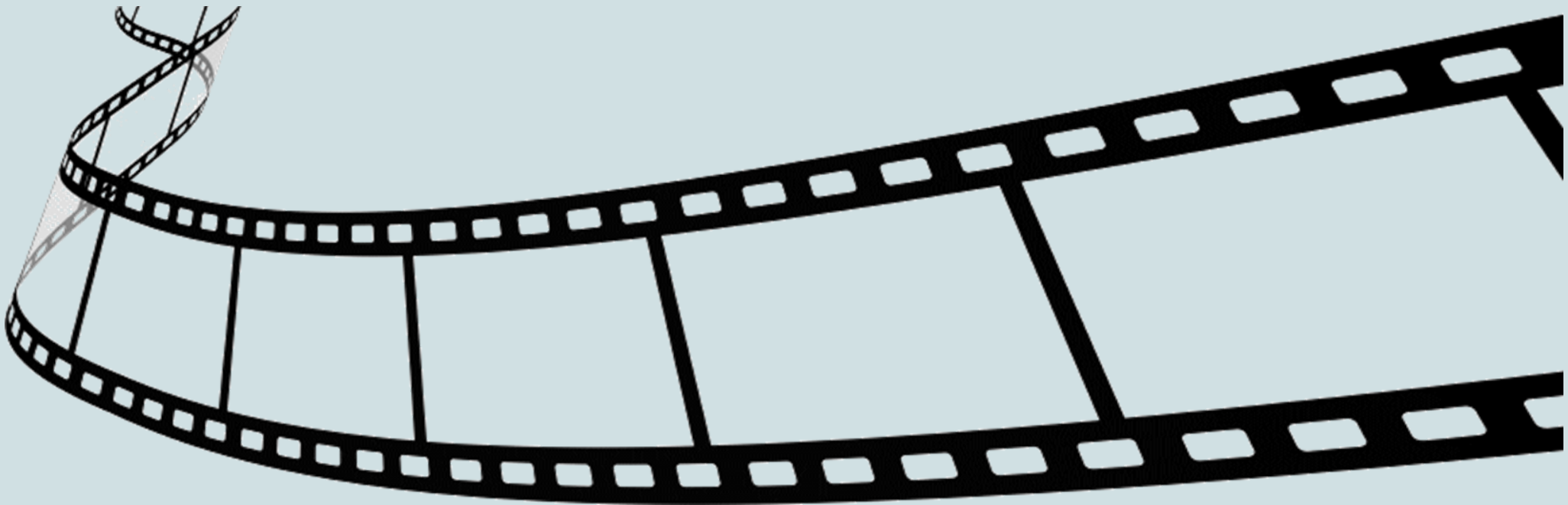
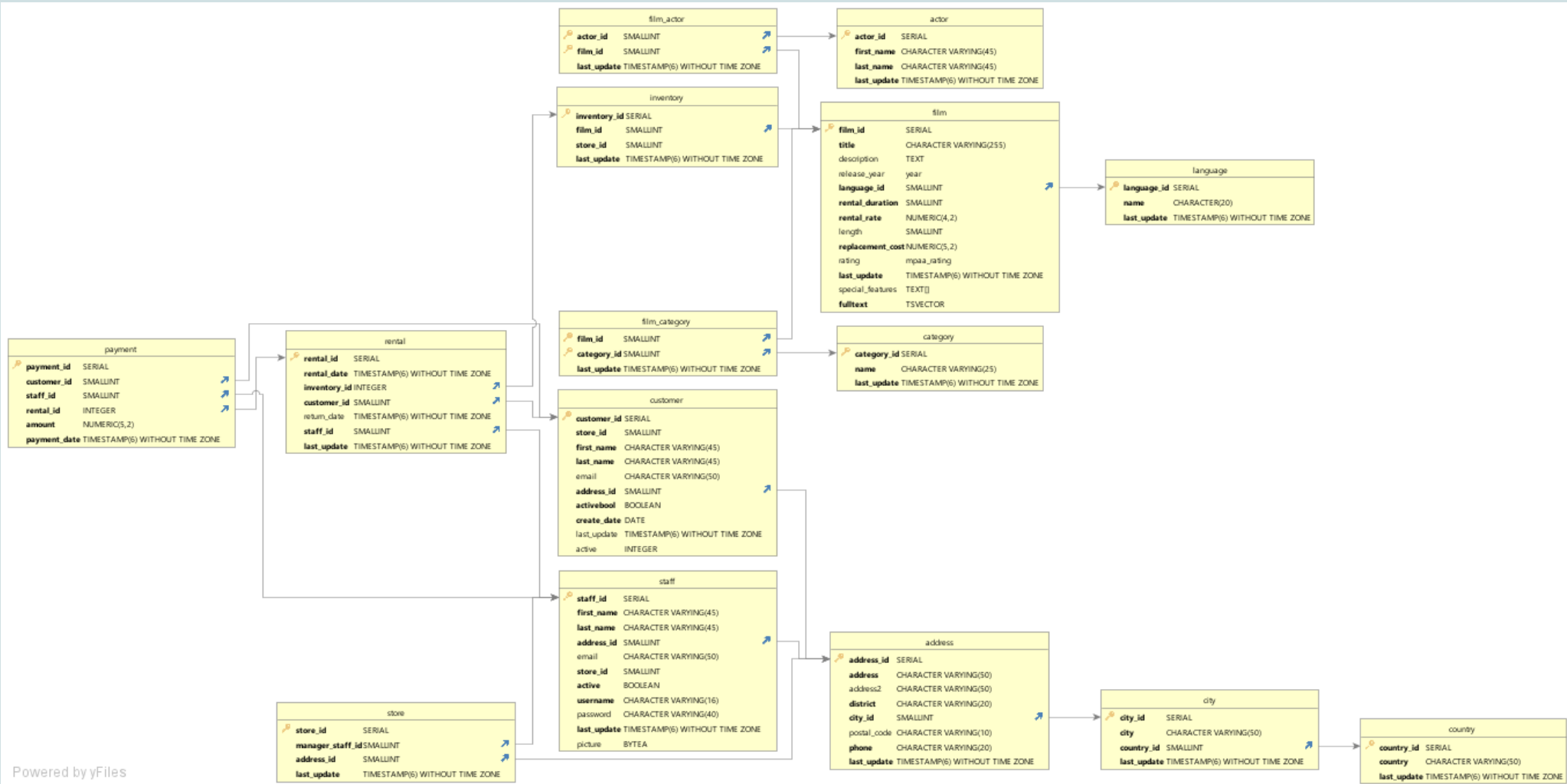


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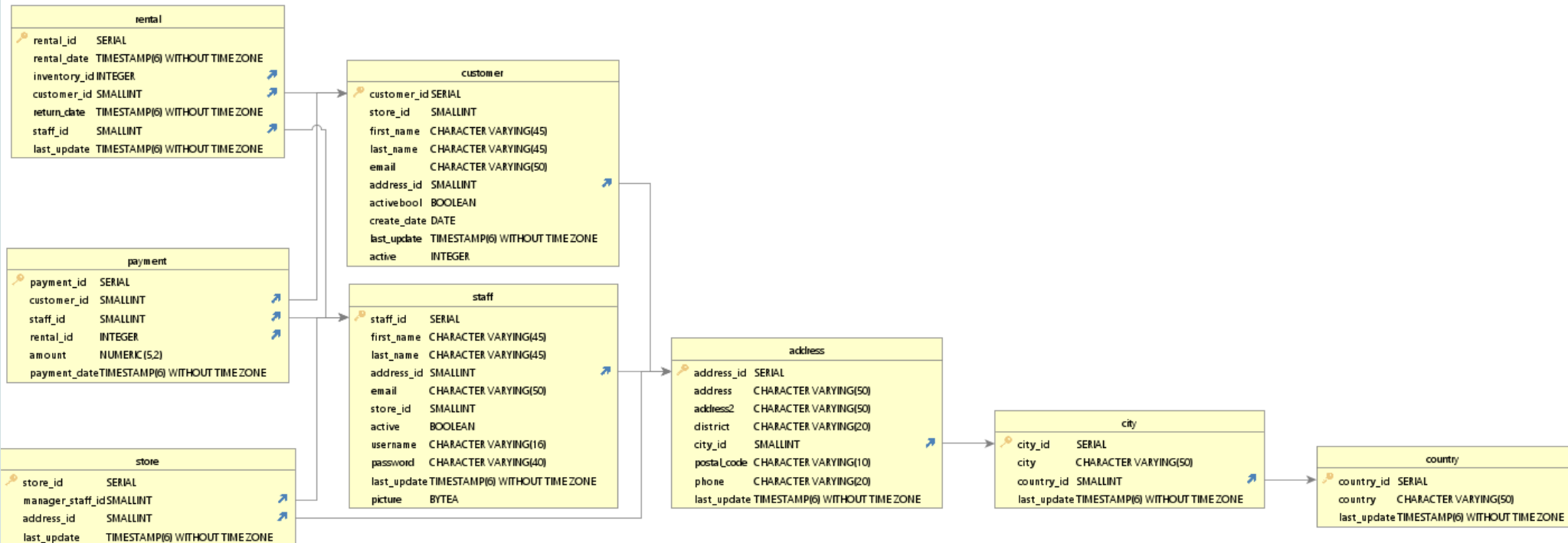
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ERD - Overview

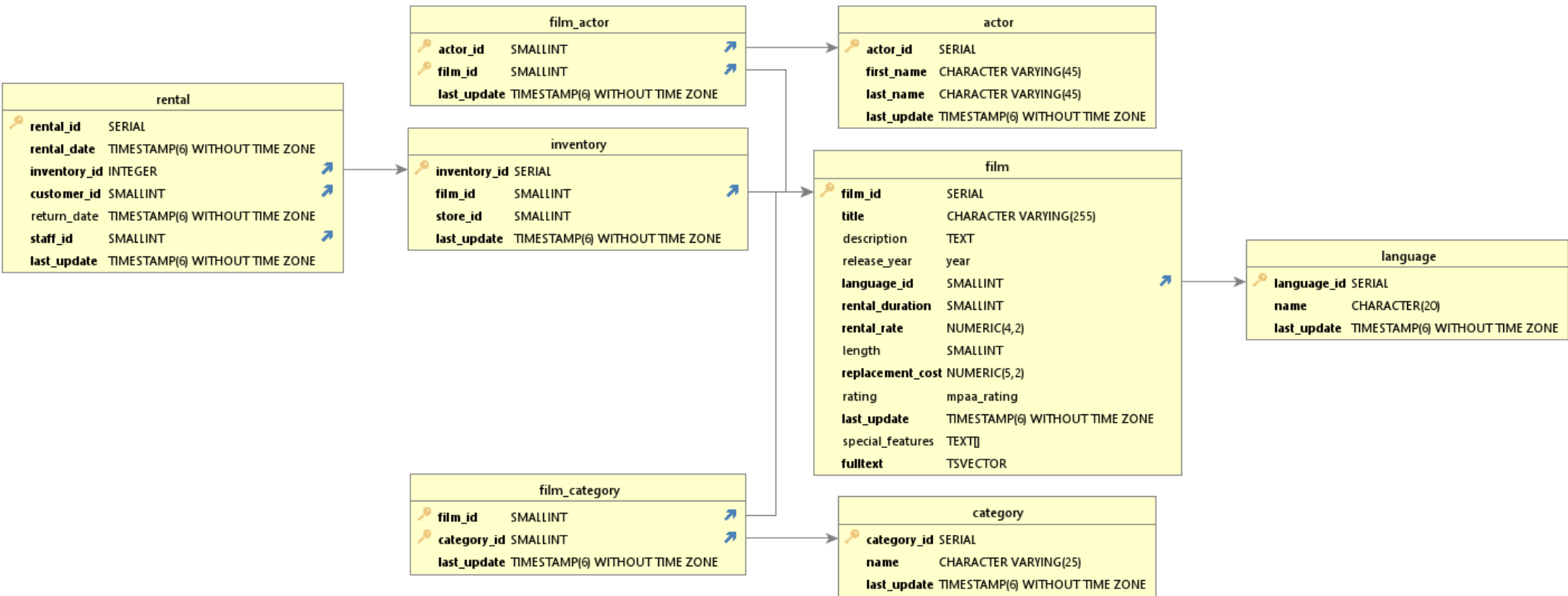


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ERD - Snapshot



ERM - Snapshot



Fact Tables:

1.1 payment

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓			payment_id	SERIAL	Payment id code	
	✓		customer_id	SMALLINT	Customer id number	customer
	✓		staff_id	SMALLINT	Id of the staff member who authorised the payment	staff
	✓		rental_id	INTEGER	Id of rental	rental
			amount	NUMERIC[5,2]	Total of the payment	
			payment_date	TIMESTAMP(6) W/O TIMEZONE	Date payment was made	

1.2 store

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓			store_id	SERIAL	Stores id code	
	✓		manager_staff_id	SMALLINT	Staff id of the manager of that store	staff
	✓		address_id	SMALLINT	Id of the address of that store	address
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	

1.3 film_category

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓	✓		film_id	SMALLINT	Id of film	film
✓	✓		category_id	SMALLINT	Id of category of film	category
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	

1.4 film_actor

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓	✓		actor_id	SMALLINT	Id for actor	actor
	✓		film_id	SMALLINT	Id for film	film
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update the table	

Dimension Tables:

2.1 rental

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		payment	rental_id	SERIAL	Identifier code for a rental	
			rental_date	TIMESTAMP(6) W/O TIMEZONE	Date of rental	
	✓		inventory_id	INTEGER	Rentals inventory id	inventory
	✓		customer_id	SMALLINT	Customer id number	customer
			return_id	TIMESTAMP(6) W/O TIMEZONE	Date stamp of the return of the rental	
	✓		staff_id	SMALLINT	Id of the staff member who authorised the rental	staff
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	

2.2 staff

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		rental payment store	staff_id	SERIAL	Staff id code	
			first_name	CHARACTER VARYING(45)	First name of staff member	
			last_name	CHARACTER VARYING(45)	Last name of staff member	
	✓		address_id	SMALLINT	Address id for staff member	address
			email	CHARACTER VARYING(45)	Email address of staff member	
			store_id	SMALLINT	Store id of where staff member works	
			active	BOOLEAN	Yes/No to identify if staff is active	
			username	CHARACTER VARYING(16)	Staff members username	
			password	CHARACTER VARYING(40)	Staff members password	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	
			picture	BYTEA	Picture of staff member	

2.3 customer

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		rental	customer_id	SERIAL	Customer id number	
			store_id	SMALLINT	Id for store the customer rented from	
			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	Address id for customer	address
			activebool	BOOLEAN	Yes/No boolean to identify if the customer is active	
			create_date	DATE	Date the customer was created their account	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	
			active	INTEGER	A numerical boolean to identify if a customer is active or not	

2.4 address

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		customer staff store	address_id	SERIAL	Address id of the store	
			address	CHARACTER VARYING(50)	Address of store	
			address2	CHARACTER VARYING(50)	Secondary address	
			district	CHARACTER VARYING(20)	Region/state of store	
	✓		city_id	SMALLINT	Id of the city where the store is located	city
			postal_code	CHARACTER VARYING(10)	Postal code of store	
			phone	CHARACTER VARYING(20)	Phone number of store	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update the table	

2.5 city

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		address	city_id	SERIAL	Unique id for each city	
			city	CHARACTER VARYING(50)	Name of city	
	✓		country_id	SMALLINT	Id code for each country	country
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update the table	

2.6 country

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		city	country_id	SERIAL	Unique id for each country	
			country	CHARACTER VARYING(50)	Name of country	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update the table	

2.7 actor

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		film_actor	actor_id	SERIAL	Id for actor	
			first_name	CHARACTER VARYING(45)	First name of actor	
			last_name	CHARACTER VARYING(45)	Last name of actor	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	

2.8 film

Primary Key	Foregin Key	Links From	Column name	Data Type	Description	Links to
✓		film_actor inventory film_category	film_id	SERIAL	Id for film	
			title	CHARACTER VARYING(255)	Title of film	
			description	TEXT	Description of film	
			release_year	YEAR	Year the film was released	
	✓		language_id	SMALLINT	Language id of film	language
			rental_duration	SMALLINT	How long the film can be rented for	
			rental_rate	NUMERIC [4,2]	How much the film is rented out at	
			length	SMALLINT	Duration time of the film	
			replacement_cost	NUMERIC [5,2]	Cost for the replacement of the film	
			rating	mpaa_rating	The age rating of the film	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	
			special_features	TEXT	Any special features relating to the film	
			fulltext	TSVECTOR	List of tag words associated with film	

2.9 inventory

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		rental	Inventory_id	Serial	Id for the inventory item	
	✓		film_id	SMALLINT	Id of film	film
			store_id	SMALLINT	Id of store when that inventory item is	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	

2.10 category

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		film_category	category_id	SERIAL	Id of category	
			name	CHARACTER VARYING(25)	Name of category	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update the table	

2.11 Language

Primary Key	Foreign Key	Links From	Column name	Data Type	Description	Links to
✓		film	language_id	SERIAL	Id of language	
			name	CHARACTER(20)	Name of language	
			last_update	TIMESTAMP(6) W/O TIMEZONE	Date of the last update to the table	