ROCKBUSTER STEALTH LLC

DATA DICTONARY

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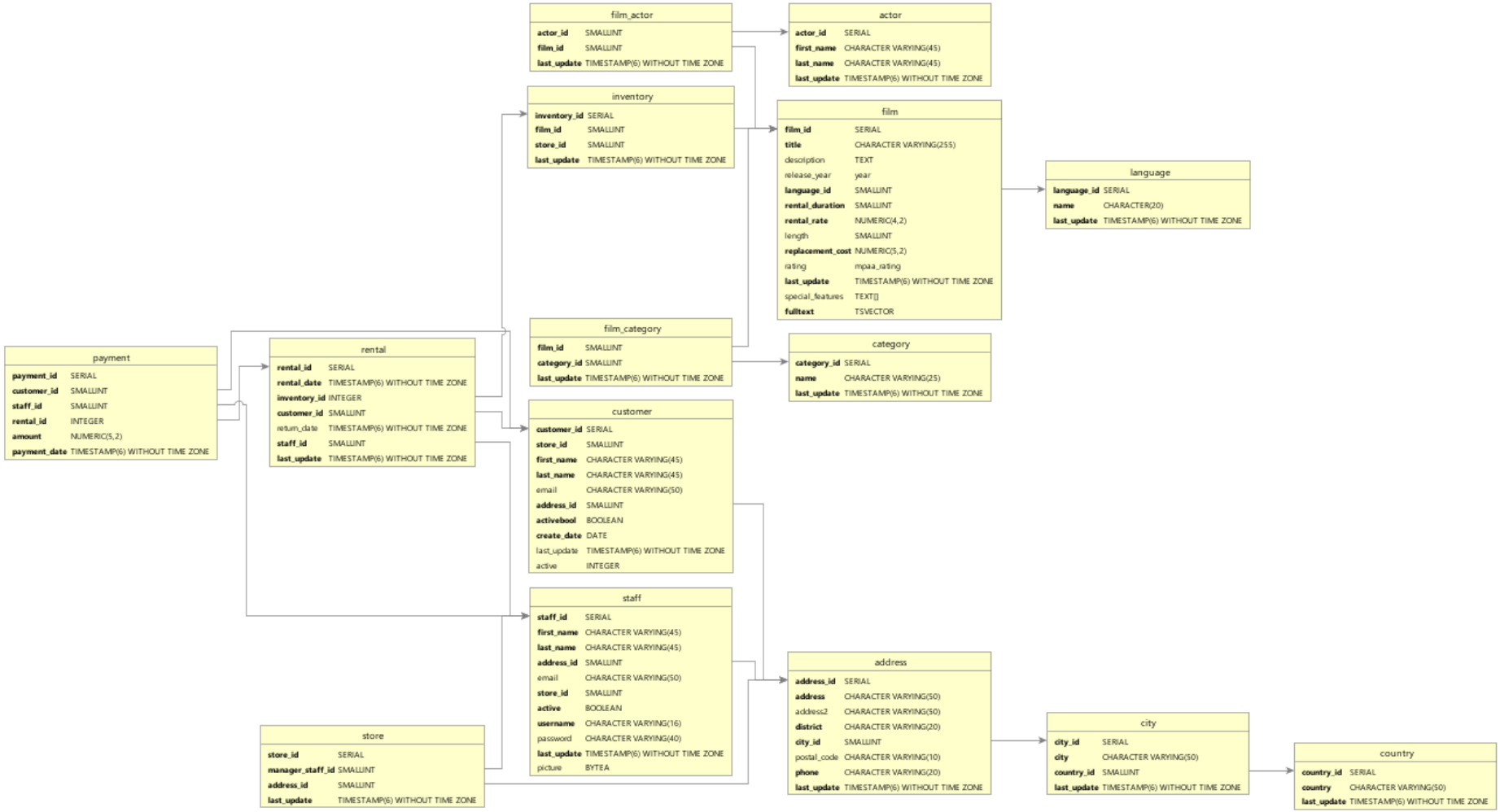
1. ENTITY RELATIONSHIP DIAGRAM (ERD)



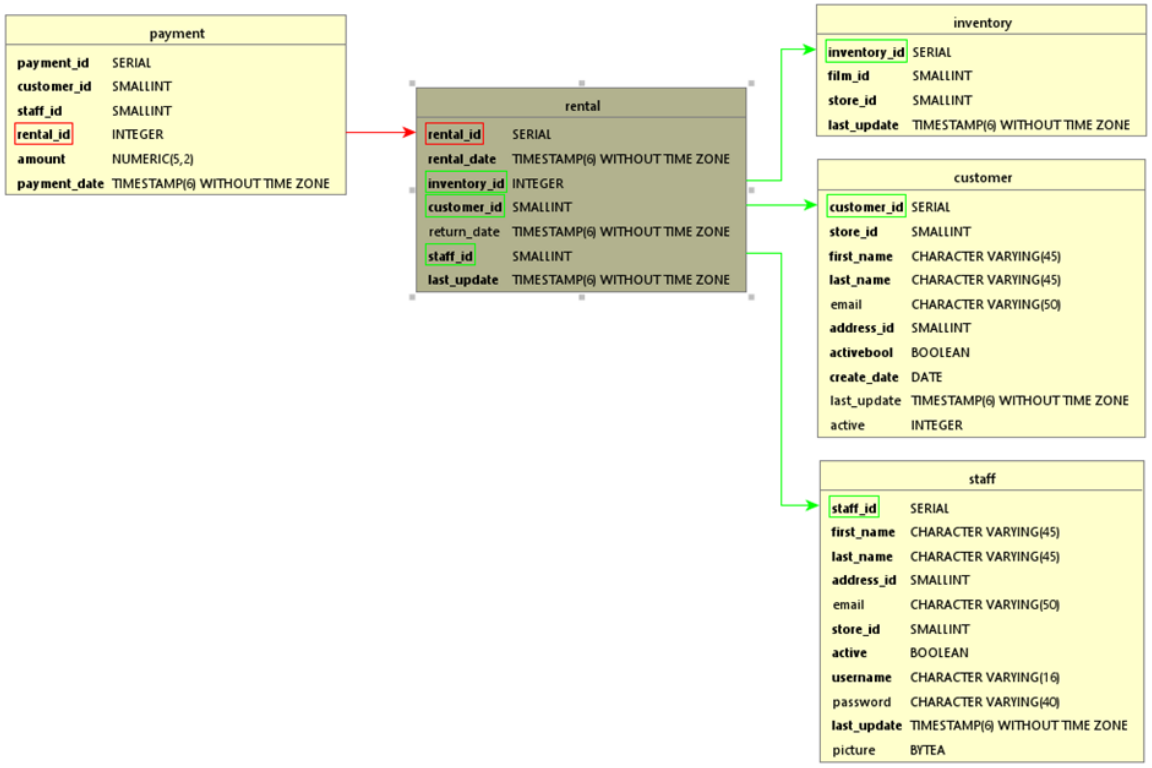
The diagram is a snowflake schema. Each entities have connection to another dimension tables that holds unique ID for all related record.

2. LEGEND

- Primary Key
- Foreign Key
- Link from
- Link to
- *N* Nullable

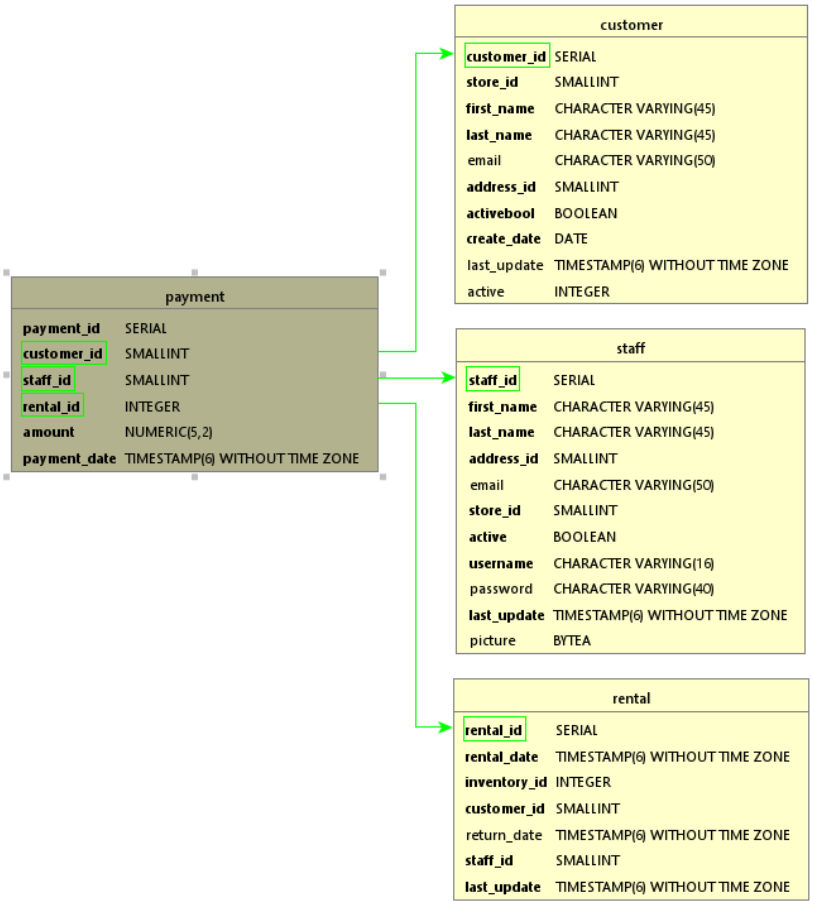
3. FACT TABLES

3.1. Rental



	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	rental_id	SERIAL		Unique ID for each rental transaction	00	payment	
	rental_date	TIMESTAMP(6) WITHOUT TIME ZONE		Date of rental. The time zone is not specified.	(YYY-MM-DD HH:MM:SS)		
🔑	inventory_id	INTEGER		Store's numerical product code	0000		inventory
🔑	customer_id	SMALLINT		Customer's ID information	000		customer
	return_date	TIMESTAMP(6) WITHOUT TIME ZONE	*N*	Returned date. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		
	staff_id	SMALLINT		Employee's ID information	0		staff
🔑	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

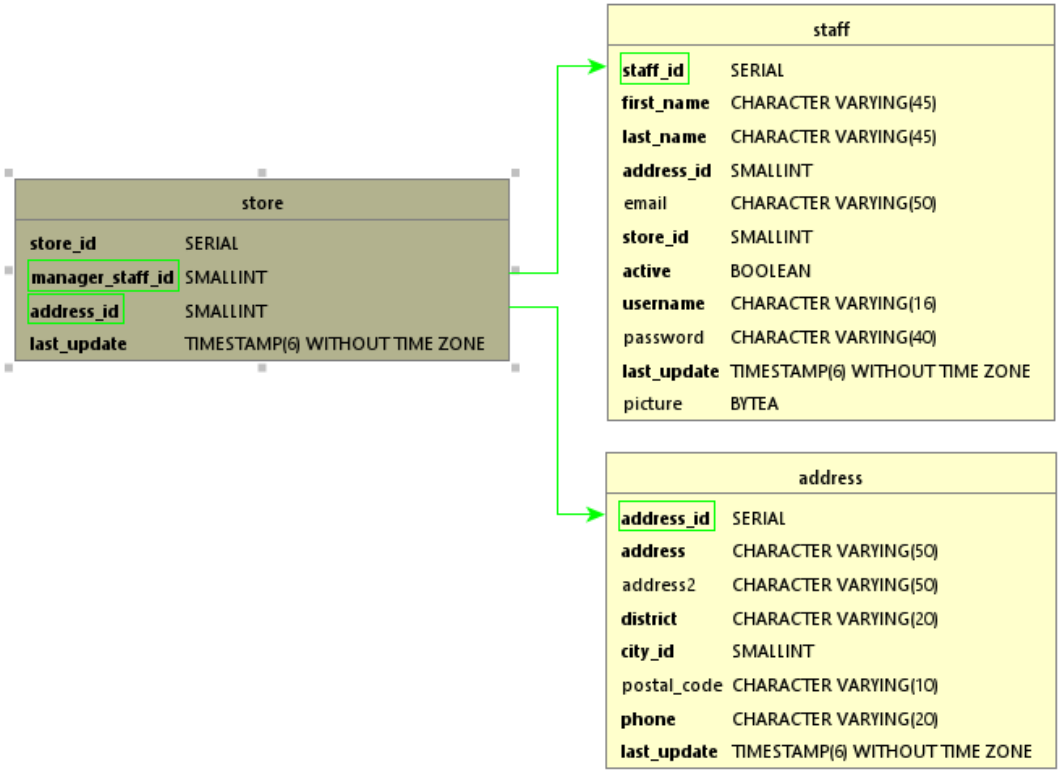
3.2. Payment



	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	payment_id	SERIAL		Unique payment account ID	00000		
🔑	customer_id	SMALLINT		Customer's ID information	000		customer
🔑	staff_id	SMALLINT		Employee's ID information	0		staff
🔑	rental_id	SERIAL		ID for each rental transaction	0000		rental
	amount	NUMERIC(5,2)		Total rental fee/cost	00.00		
	payment_due	TIMESTAMP(6) WITHOUT TIME ZONE		Rental due date. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS.SS)		

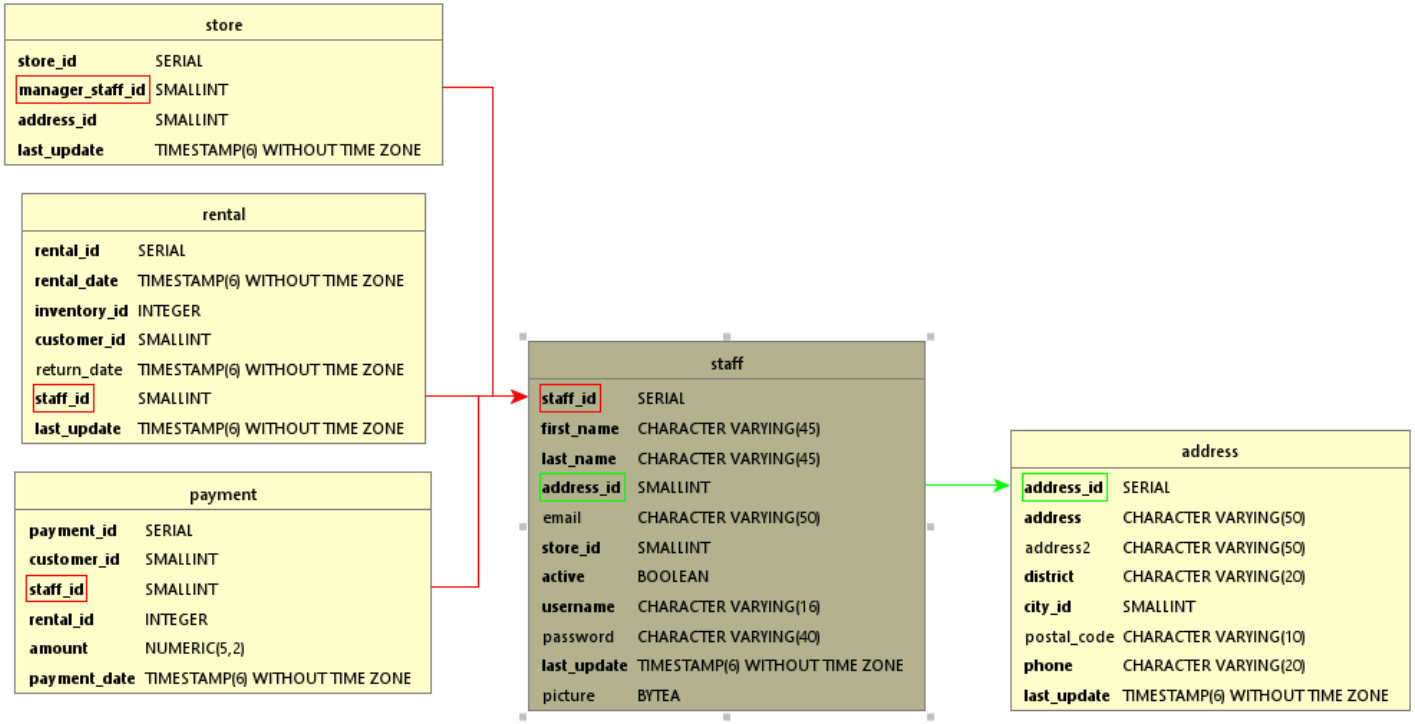
4. DIMENSION TABLES

4.1. Store



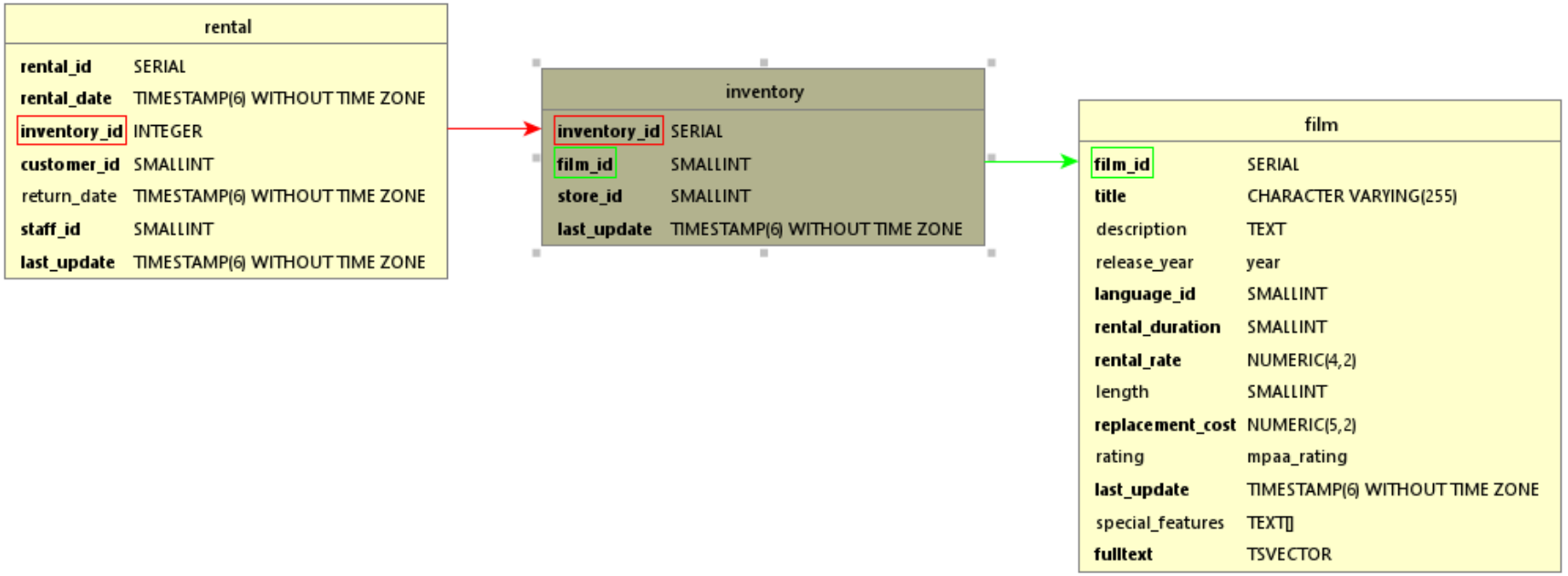
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	store_id	SERIAL		Unique Store/Branch ID information	0		
🔑	manager_staff_id	SMALLINT		Store manager's ID information	0		staff
🔑	address_id	SMALLINT		Store/Branch address	0		address
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.2. Staff



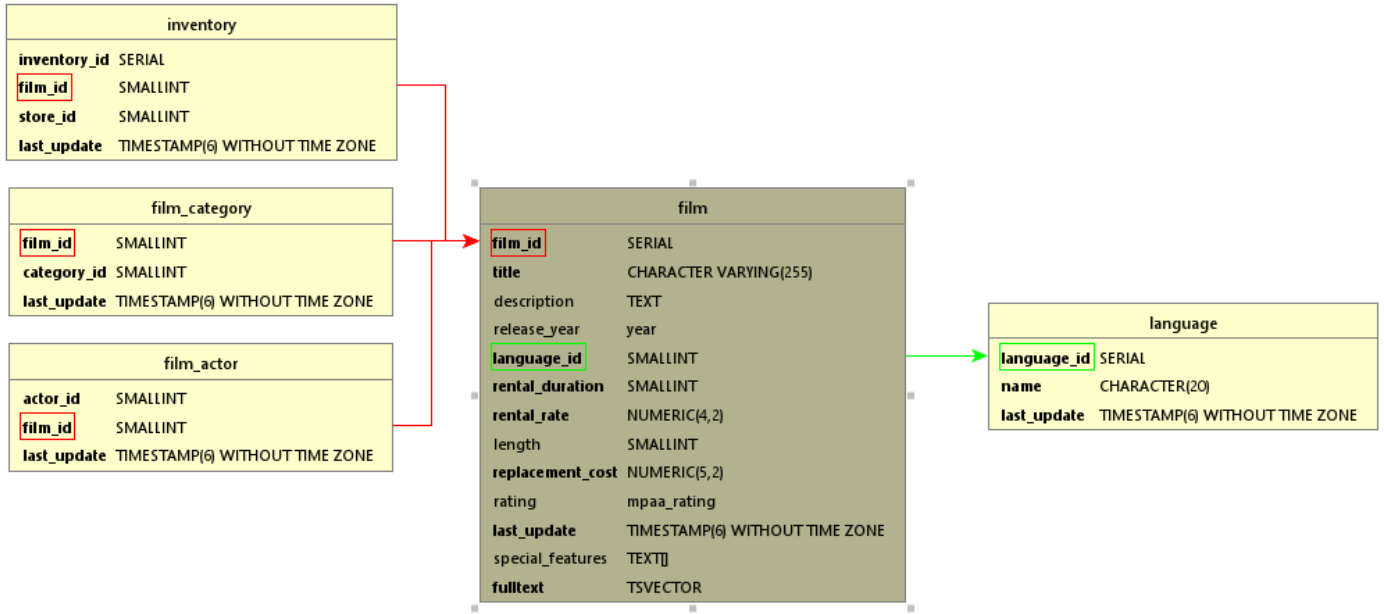
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	staff_id	SERIAL		Unique Employee's ID information	0	store, rental, payment	
	first_name	VARCHAR(45)		Employee's first name	Xxxxx		
	last_name	VARCHAR(45)		Employee's last name	Xxxxx		
🔑	address_id	SMALLINT		Employee's residential address	Xxxxx xxxx		address
	email	VARCHAR(50)	*N*	Employee's email address	xxx@xxx.com		
	store_id	SMALLINT		Employee's branch location	Xxxxx xxxx		
	active	BOOLEAN		Employee's work status	true		
	username	VARCHAR(16)		Employee's account username	Xxxxx		
	password	VARCHAR(40)	*N*	Employee's account password	xxxxxxxxxx		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		
	picture	BYTEA	*N*	Employee's photo			

4.3. Inventory



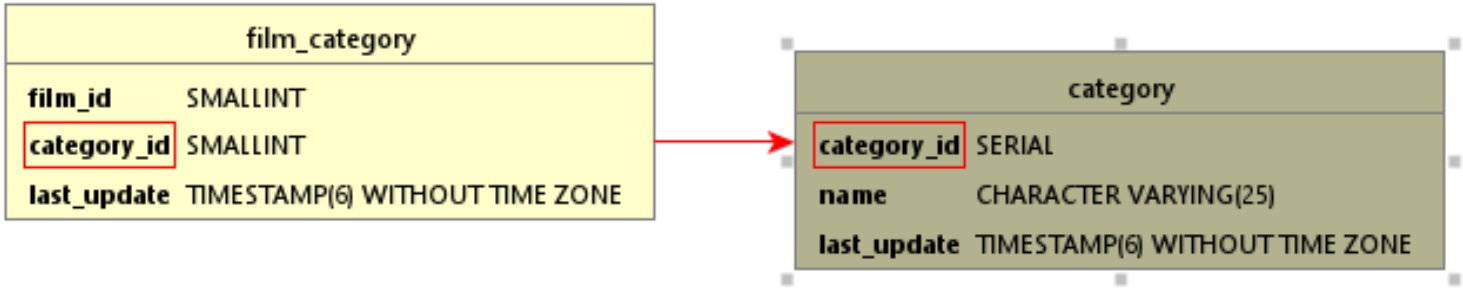
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	inventory_id	SERIAL		Unique store's numerical product ID	0000	rental	
🔑	film_id	SMALLINT		Movie ID code	0000		film
	store_id	SMALLINT		Store/Branch ID information	0		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.4. Film



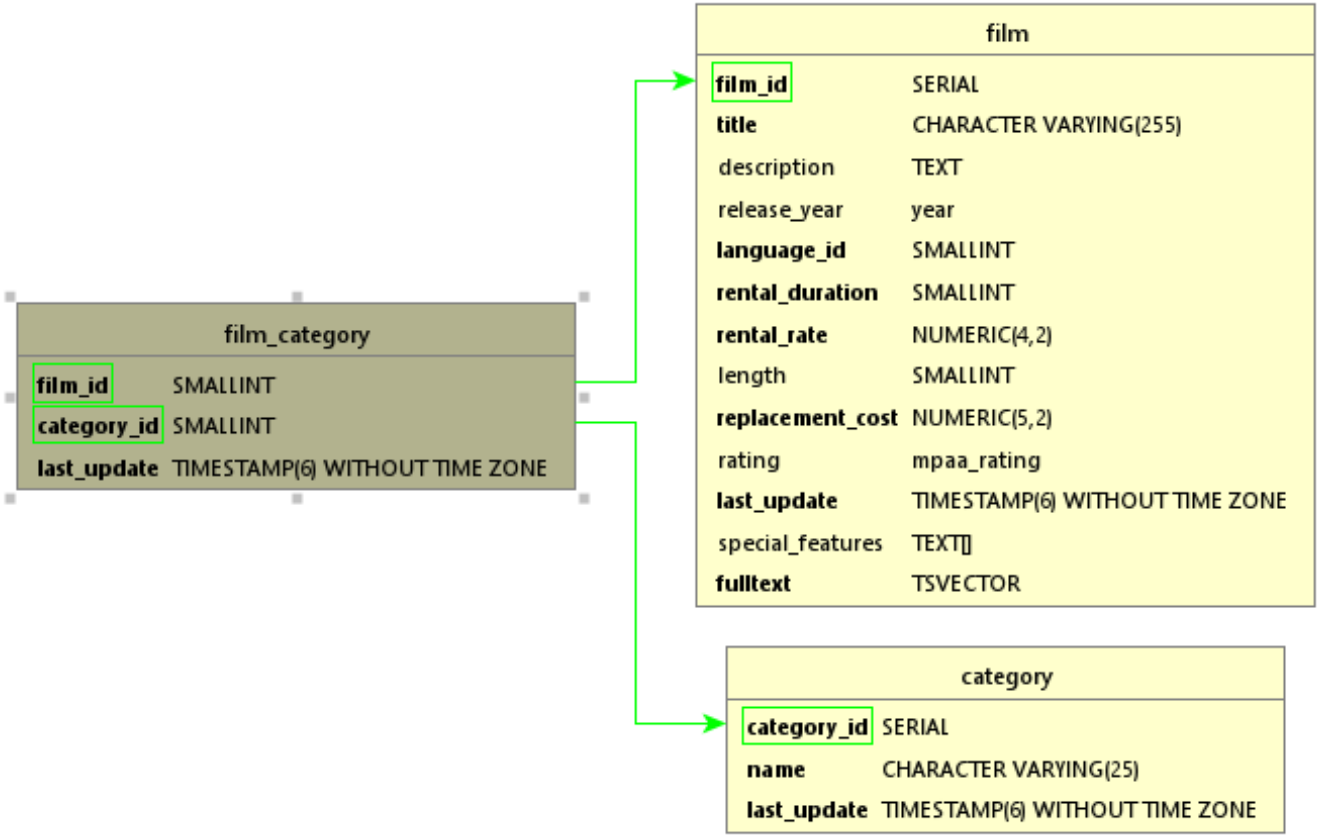
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	film_id	SERIAL		Unique Film/Movie ID	00	inventory, film_category, film_actor	
	title	VARCHAR(255)		Film/Movie Title	Xxxxx Xxxxx		
	description	TEXT	*N*	Film/Movie description	Xxxxx xxxx		
	release_year	INTEGER	*N*	Year released	0000		
🔑	language_id	SMALLINT		Film/Movie language ID information	0		language
	rental_duration	SMALLINT		Duration of Rental	0		
	rental_rate	NUMERIC(4,2)		Rental cost	00.00		
	length	SMALLINT	*N*	Film/Movie duration	000		
	replacement_cost	NUMERIC(5,2)		Replacement fee	00.00		
	rating	USER-DEFINED	*N*	Viewer's ratings	PG-13		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		
	special_features	ARRAY	*N*	Additional film/movie features: Trailers, Commentaries, Deleted scenes, etc. []	{"Xxxxx xxxx"}		
	fulltext	TSVECTOR		Search keywords	Xxxxx xxxx		

4.5. Category



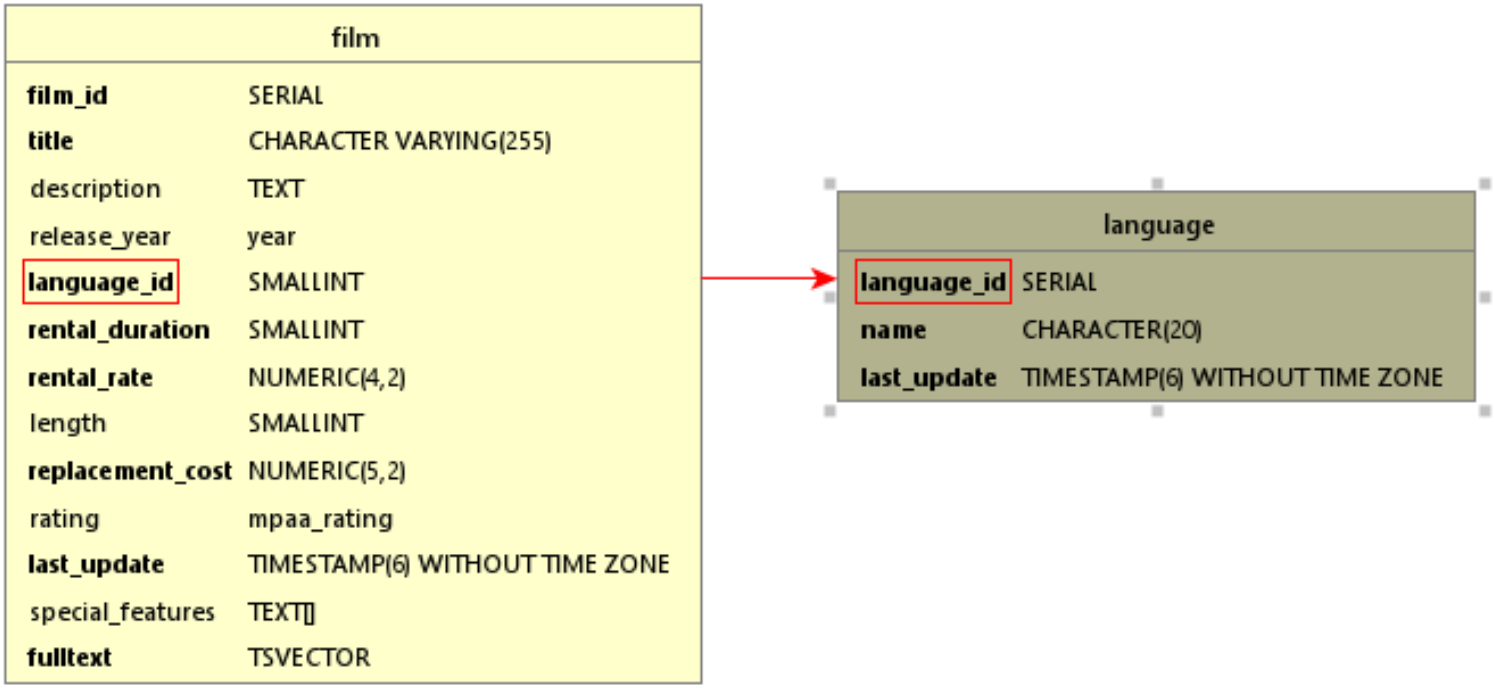
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	category_id	SERIAL		Unique category ID	00	film_category	
	name	VARCHAR(25)		Full name of film/movie category	Xxxxx		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.6. Film Category



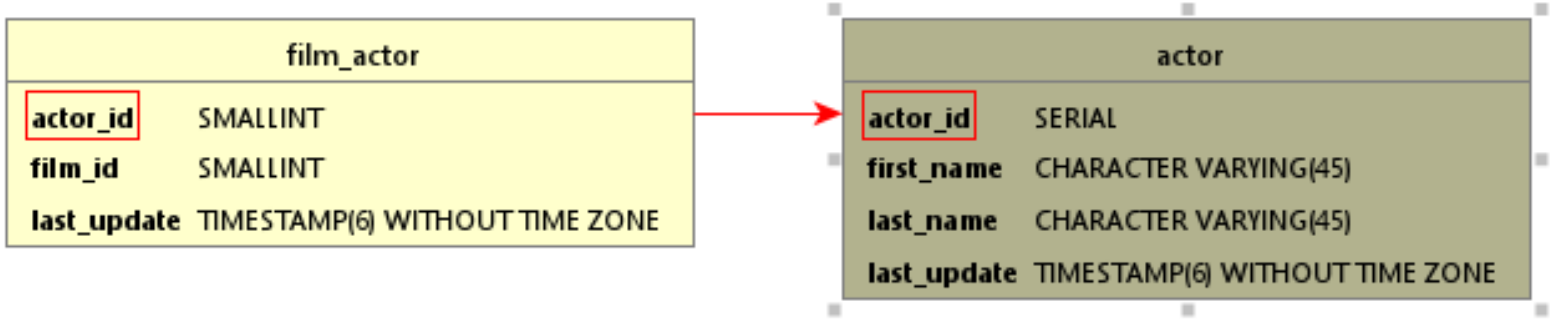
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	film_id	SERIAL,SMALLINT		Film/Movie ID code	0000		film
🔑	category_id	SERIAL,INTEGER		Category ID code	00		category
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.7. Language



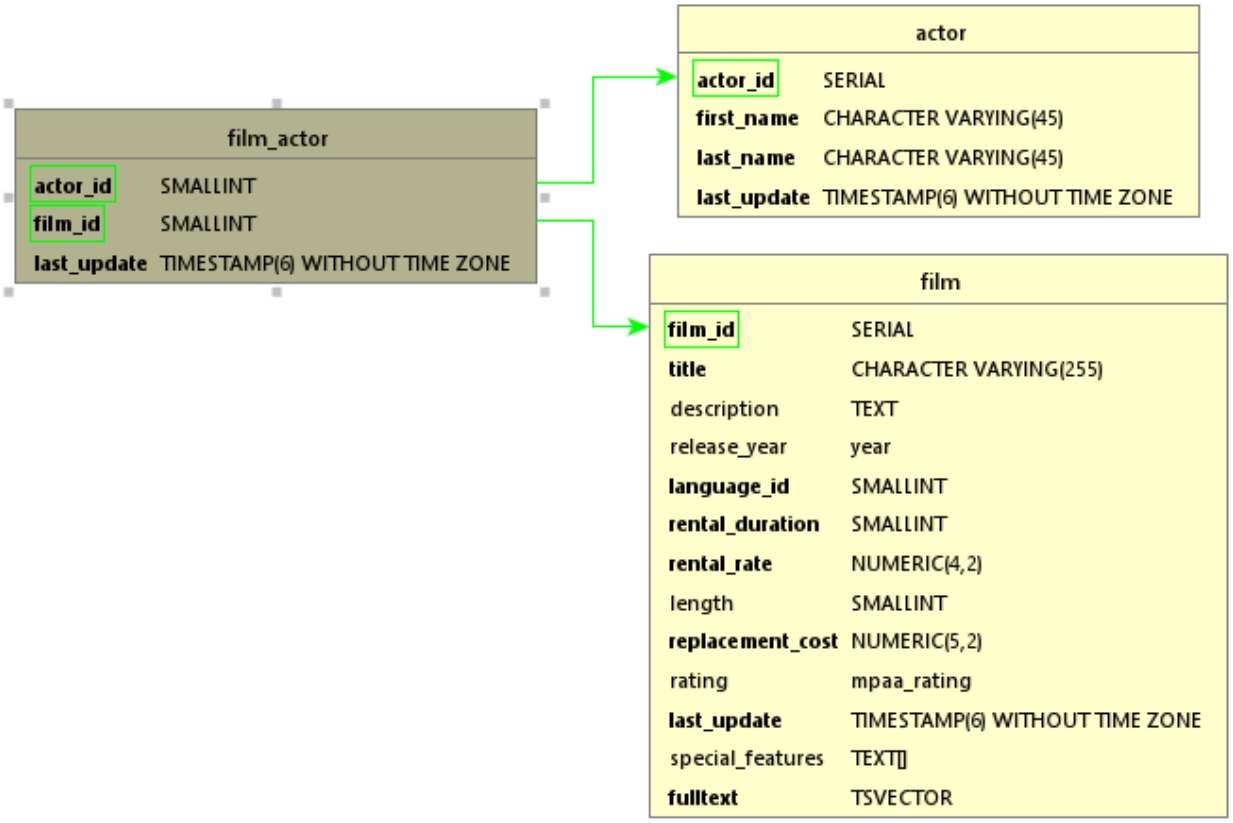
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	language_id	SERIAL		Unique Language ID	0	film	
	name	CHARACTER(20)		Full name of language/dialect	Xxxxx		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.8. Actor



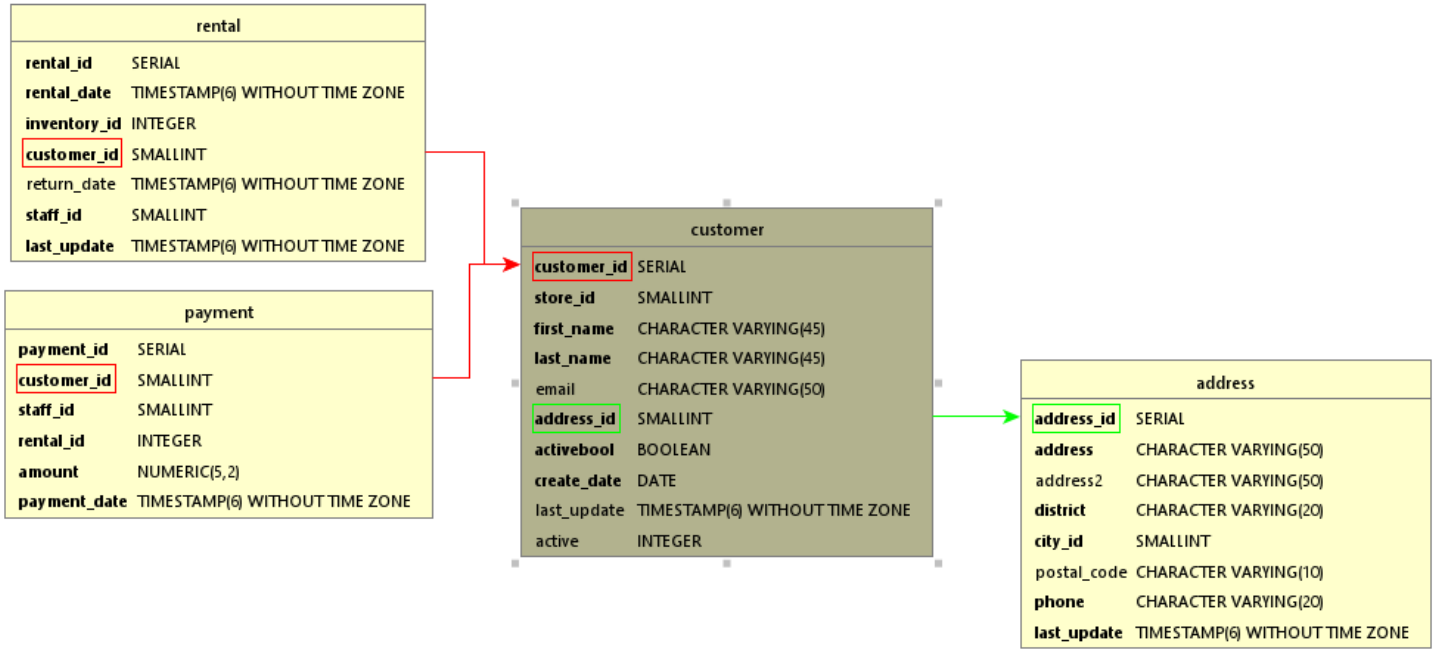
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	actor_id	SERIAL		Unique Film/Movie actor ID	000	film_actor	
	first_name	VARCHAR(45)		Actor's first name	Xxxxx		
	last_name	VARCHAR(45)		Actor's last name	Xxxxx		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS.SS)		

4.9. Film Actor



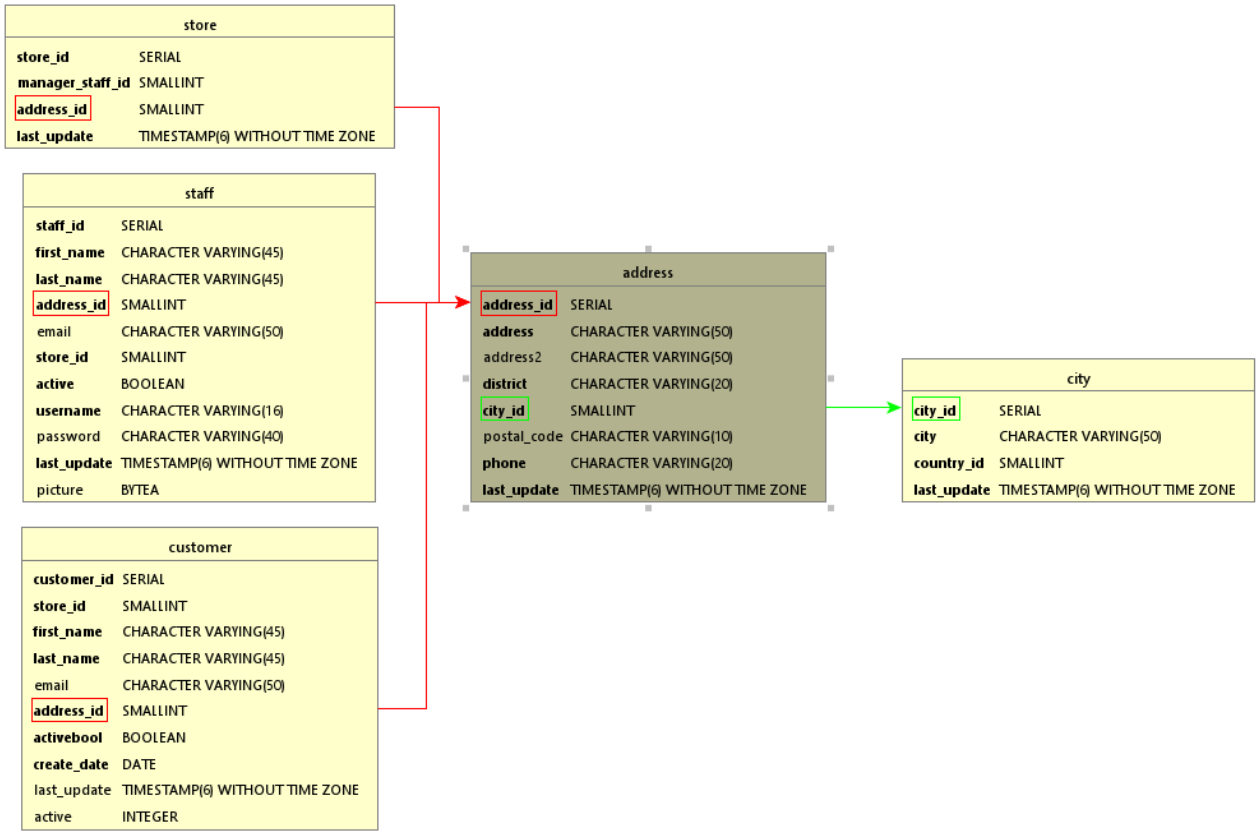
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	actor_id	SERIAL,SMALLINT		Film/Movie actor ID	000		actor
🔑	film_id	SERIAL,SMALLINT		Film/Movie ID code	000		film
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.10. Customer



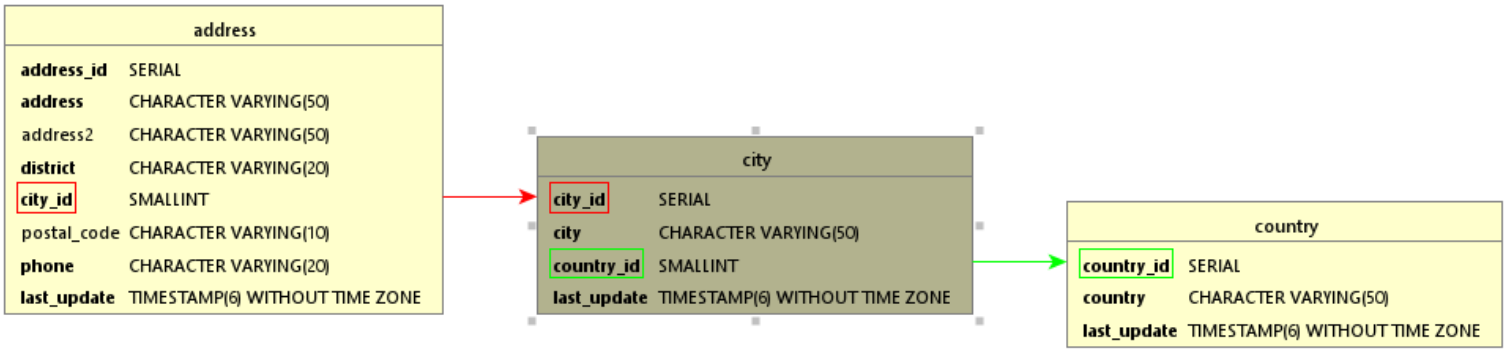
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	customer_id	SERIAL		Unique Customer's ID	000	rental, payment	
	store_id	INTEGER		Store/Branch ID information	0		
	first_name	VARCHAR(45)		Client's first name	Xxxxx		
	last_name	VARCHAR(45)		Client's last name	Xxxxx		
	email	VARCHAR(50)	*N*	Client's email address	xxx@xxx.com		
🔑	address_id	SMALLINT		Client's address	Xxxxx xxxx		address
	activebool	BOOLEAN		Client's membership status	true		
	create_date	DATE		Date of membership	YYYY-MM-DD		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	*N*	Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS.SSS)		
	active	INTEGER	*N*	Number of days active	0		

4.11. Address



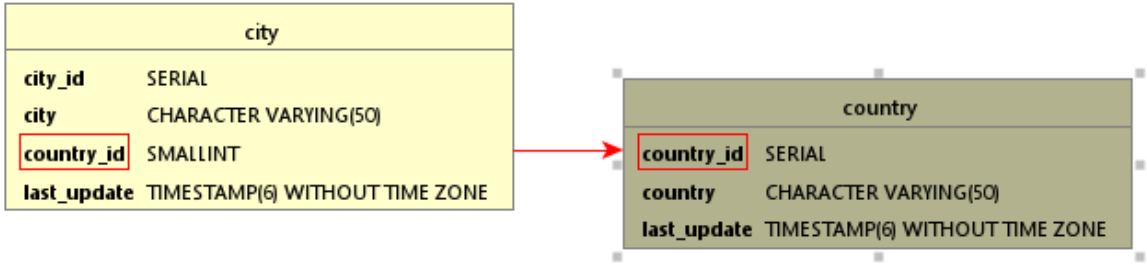
	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	address_id	SERIAL		Unique Address ID	000	store, staff, customer	
	address	VARCHAR(50)		Address	Xxxxx xxxx		
	address2	VARCHAR(50)	*N*	Address2	Xxxxx xxxx		
	district	VARCHAR(20)		District	Xxxxx Xxxx		
🔑	city_id	SMALLINT		City ID information	000		city
	postal_code	VARCHAR(12)	*N*	Postal zip code	00000		
	phone	VARCHAR(12)		Contact number	000000000000		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE	*N*	Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS.SS)		

4.12. City



	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	city_id	SERIAL		Unique city ID	000	address	
	city	VARCHAR(50)		Store/Branch city name	Xxxxx		
🔑	country_id	SMALLINT		Store/Branch country ID information	00		country
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		

4.13. Country



	COLUMN	DATA TYPE	N	DESCRIPTION/ATTRIBUTES	FORMAT	TABLE LINKS	
						FROM	TO
🔑	country_id	SERIAL		Unique country ID	000	city	
	country	VARCHAR(50)		Store/Branch country	Xxxxx Xxxx		
	last_update	TIMESTAMP(6) WITHOUT TIME ZONE		Date of a recent modification. The Time zone is not specified.	(YYY-MM-DD HH:MM:SS)		