

# ROCKBUSTER STEALTH

## DATA DICTIONARY

Prepared by: Euikyu Kim

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Databases & SQL For Analysis

Final Project

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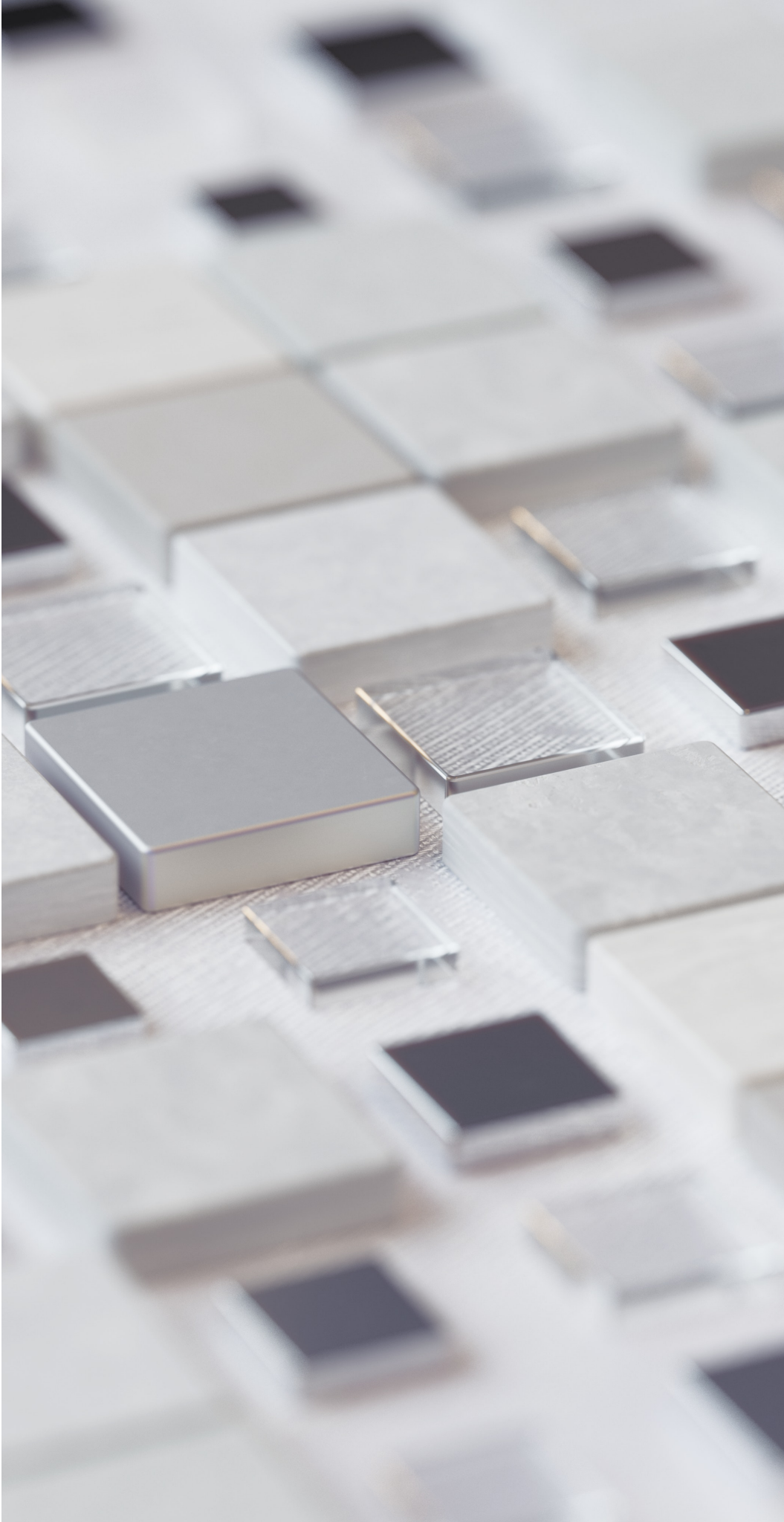
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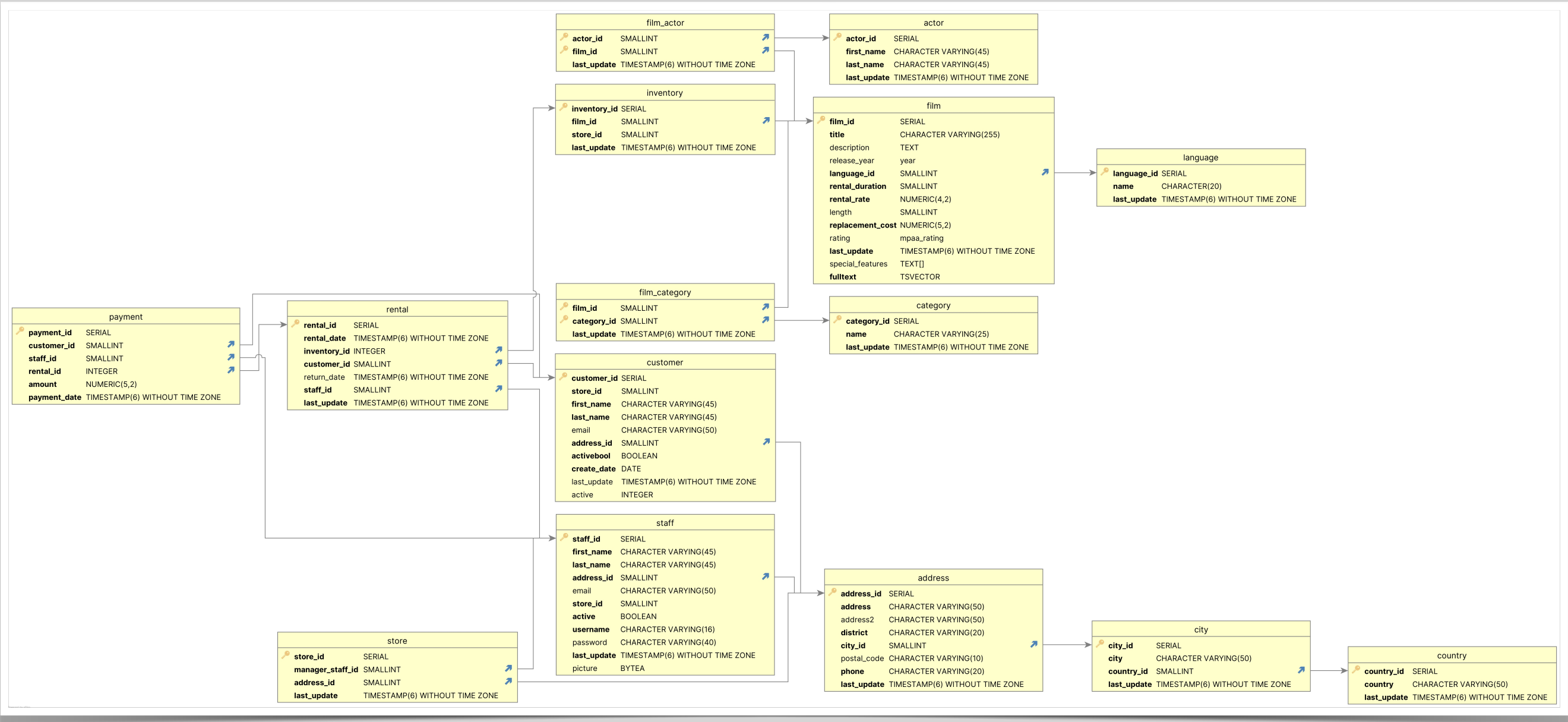
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# ENTITY RELATIONSHIP DIAGRAM (ERD)





# FACT TABLE :

< payment >

NAME	TYPE	DESCRIPTION
payment_id (PK)	SERIAL	Unique identifier of the payment: Primary Key
customer_id (FK)	SMALLINT	Unique identifier of the customer: Foreign Key <a href="#">TO 'customer'</a> ↗
staff_id (FK)	SMALLINT	Unique identifier staff: Foreign Key <a href="#">TO 'staff'</a> ↗
rental_id (FK)	SERIAL	Unique identifier of the rental: Foreign Key <a href="#">TO 'rental'</a> ↗
amount	NUMERIC (5,2)	Amount of the payment
payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of the payment

< rental >

NAME	TYPE	DESCRIPTION
rental_id (PK)	SERIAL	Unique identifier of the rental: Primary Key <a href="#">FROM 'payment'</a> ↖
rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of rental
inventory_id (FK)	INTEGER	Unique identifier of the inventory: Foreign Key <a href="#">TO 'inventory'</a> ↗
customer_id (FK)	SMALLINT	Unique identifier of the customer: Foreign Key <a href="#">TO 'customer'</a> ↗
return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of return
staff_id (FK)	SMALLINT	Unique identifier of the staff: Foreign Key <a href="#">TO 'staff'</a> ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update



# DIMENSION TABLE 1 :

< store >

NAME	TYPE	DESCRIPTION
store_id (PK)	SERIAL	Unique identifier of the store: Primary Key
manager_staff_id (FK)	SMALLINT	Unique identifier of the manager: Foreign Key <a href="#">TO 'staff'</a> ↗
address_id (FK)	SMALLINT	Unique identifier of the store's address: Foreign Key <a href="#">TO 'address'</a> ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

< film\_actor >

NAME	TYPE	DESCRIPTION
actor_id (PK, FK)	SMALLINT	Unique identifier of the actor: Primary & Foreign Key <a href="#">TO 'actor'</a> ↗
film_id (PK, FK)	SMALLINT	Unique identifier of the film: Primary & Foreign Key <a href="#">TO 'film'</a> ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

< inventory >

NAME	TYPE	DESCRIPTION
inventory_id (PK)	SERIAL	Unique identifier of the inventory: Primary Key <a href="#">FROM 'rental'</a> ↗
film_id (FK)	SMALLINT	Unique identifier of the film: Foreign Key <a href="#">TO 'film'</a> ↗
store_id	SMALLINT	Unique identifier of the store
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update





# DIMENSION TABLE 2 :

< film\_category >

NAME	TYPE	DESCRIPTION
film_id (PK, FK)	SMALLINT	Unique identifier of the film: Primary & Foreign Key <a href="#">TO 'film'</a> ↗
category_id (PK, FK)	SMALLINT	Unique identifier of the category: Primary & Foreign Key <a href="#">TO 'category'</a> ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

< customer >

NAME	TYPE	DESCRIPTION
customer_id (PK)	SERIAL	Unique identifier of the customer: Primary Key <a href="#">FROM 'payment' &amp; 'rental'</a> ↗
store_id	SMALLINT	Unique identifier of the store
first_name	CHARACTER VARYING (45)	First name of the customer
last_name	CHARACTER VARYING (45)	Last name of the customer
email	CHARACTER VARYING (50)	Email address of the customer
address_id (FK)	SMALLINT	Unique identifier of the customer's address: Foreign Key <a href="#">TO 'address'</a> ↗
activebool	BOOLEAN	Whether the customer is active (true) or inactive (false)
create date	DATE	Date of customer's account created
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
active	INTEGER	Whether the customer is active (1) or inactive (0)



# DIMENSION TABLE 3 :

< staff >

NAME	TYPE	DESCRIPTION
staff_id (PK)	SMALLINT	Unique identifier of the staff: Primary Key FROM 'payment' & 'rental' ↗ & 'store' ↗
first_name	CHARACTER VARYING (45)	First name of the staff
last_name	CHARACTER VARYING (45)	Last name of the staff
address_id (FK)	SMALLINT	Unique identifier of the staff's address: Foreign Key TO 'address' ↗
email	CHARACTER VARYING (50)	Email address of the staff
store_id	SMALLINT	Unique identifier of the store
active	BOOLEAN	Whether the staff is active (true) or inactive (false)
username	CHARACTER VARYING (16)	Username of the staff's account
password	CHARACTER VARYING (40)	Password of the staff's account
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
picture	BYTEA	Picture of the staff

< actor >

NAME	TYPE	DESCRIPTION
customer_id (PK)	SERIAL	Unique identifier of the customer: Primary Key FROM 'film_actor' ↗
store_id	SMALLINT	Unique identifier of the store
first_name	CHARACTER VARYING (45)	First name of the actor
last_name	CHARACTER VARYING (45)	Last name of the actor



# DIMENSION TABLE 4 :

< film >

NAME	TYPE	DESCRIPTION
film_id (PK)	SERIAL	Unique identifier of the film: Primary Key FROM 'film_actor' & 'inventory' ↗ & 'film_category' ↗
title	CHARACTER VARYING (255)	Title of the film
description	TEXT	Description of the film
release_year	YEAR	First released year of the film
language_id (FK)	SMALLINT	Unique identifier of the language: Foreign Key TO 'language' ↗
rental_duration	SMALLINT	Duration of the rental
rental_rate	NUMERIC(5,2)	Rental rate of the film
length	SMALLINT	Length of the film
replacement_cost	NUMERIC(5,2)	Replacement cost of the film
rating	MPAA_RATING	Rating of the film
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
special_features	TEXT[]	Special features of the film
fulltext	TSVECTOR	Full description of the film and the search keywords

< category >

NAME	TYPE	DESCRIPTION
category_id (PK)	SERIAL	Unique identifier of the category: Primary Key FROM 'film_category' ↗
name	CHARACTER VARYING (45)	Name of the category
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update





# DIMENSION TABLE 5 :

< address >

NAME	TYPE	DESCRIPTION
address_id (PK)	SERIAL	Unique identifier of the address: Primary Key FROM 'store' & 'customer' & 'staff'
address	CHARACTER VARYING (50)	Address of the customer or staff
address2	CHARACTER VARYING (50)	Address 2 of the customer or staff
district	CHARACTER VARYING (20)	District of the customer or staff
city_id (FK)	SMALLINT	Unique identifier: Foreign Key TO 'city'
postal_code	CHARACTER VARYING (10)	Postal code of the customer or staff
phone	CHARACTER VARYING (20)	Phone number of the customer or staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

< language >

NAME	TYPE	DESCRIPTION
language_id (PK)	SERIAL	Unique identifier of language: Primary Key FROM 'film'
name	CHARACTER (20)	Name of the language
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update



# DIMENSION TABLE 6 :

< city >

NAME	TYPE	DESCRIPTION
city_id (PK)	SERIAL	Unique identifier: Primary Key <u>FROM 'address'</u> ↗
city	CHARACTER VARYING (50)	City of the customer or staff
country_id (FK)	SMALLINT	Unique identifier: Foreign Key <u>TO 'country'</u> ↗
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

< country >

NAME	TYPE	DESCRIPTION
country_id (PK)	SERIAL	Unique identifier: Primary Key <u>FROM 'city'</u> ↗
country	CHARACTER VARYING (50)	Country of the customer or staff
last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update