Exercise 4
March 17, 2022
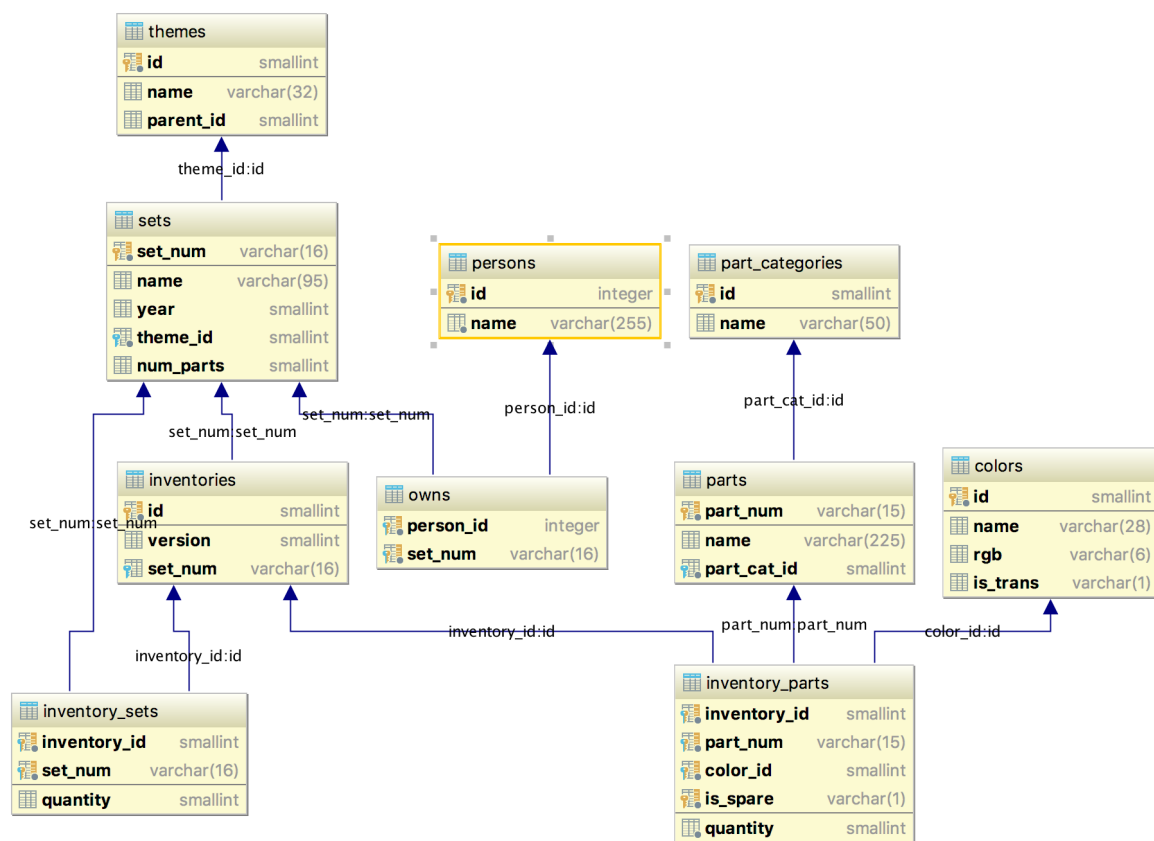
Data Handling: Databases
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University of St. Gallen

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Basic SQL Queries

Task 4.1: The LEGO® Database

Create a database named "LegoDB" using pgAdmin. Download the sample schema and data from the course website. Load the databases into your PostgreSQL server using pgAdmin as demonstrated in the lecture. A graphical representation of the schema of the LEGO® database is given below.

Task 4.2: SQL Queries

Write SQL queries for the following tasks.

a) Print the names of all colors used by LEGO®.
b) Print the names of all transparent colors.
c) Print the names of all sets that have more than 2,000 parts.
d) Find the set number and names of all Star Wars sets released by LEGO® in 2017.
e) Find the names of all sets released after 2015 that contain a *Red* or *Blue* minifigure part.
f) Find the names of all sets released in 1976 that do not belong to the *Construction* theme.
g) Find the name and the number of parts of the largest set released in 1979.
h) Find the names of all themes for which no set was released in 1985.