Exercise 5

March 24, 2022
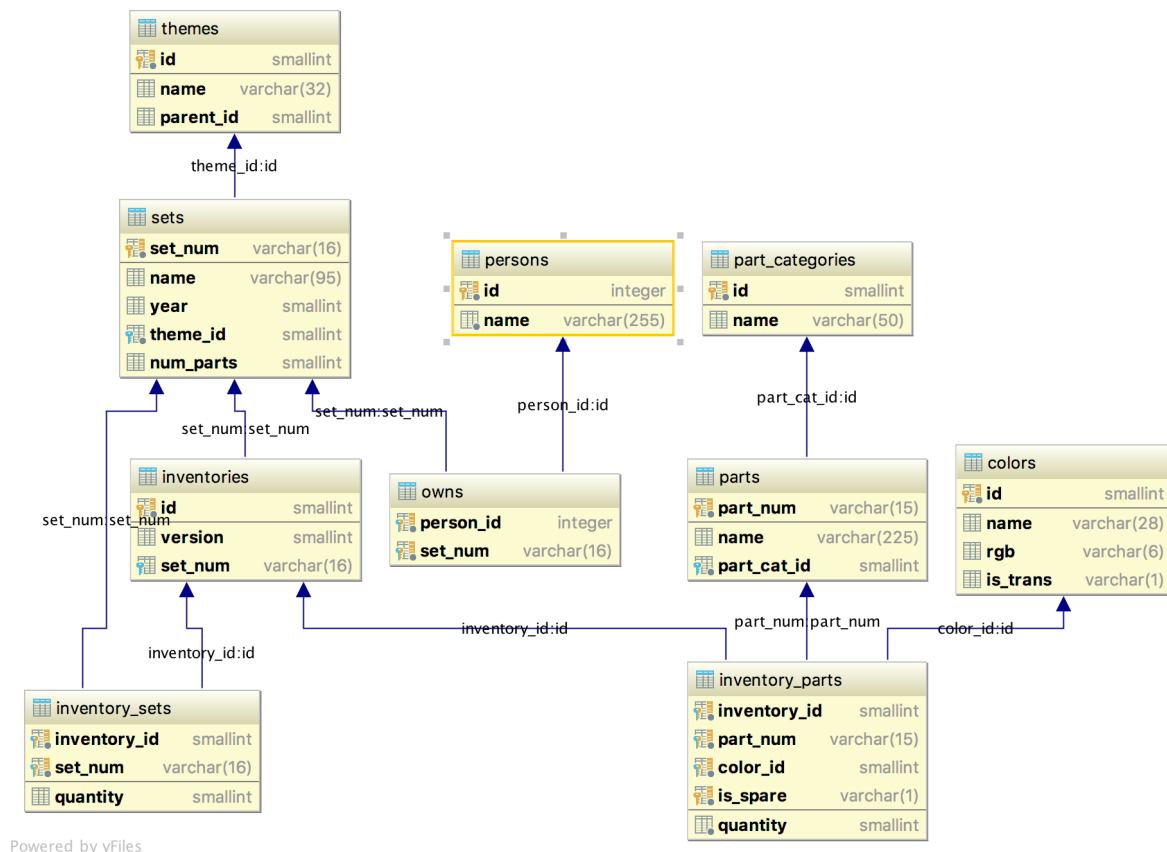
Data Handling: Databases
Spring Semester 2022
University of St. Gallen

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Advanced SQL Queries

Task 5.1: The LEGO® Database

As in the previous exercise, we will use the LEGO® database. For your convenience, a graphical representation of the schema of the LEGO® database is given again below.

Task 5.2: SQL Queries

Write SQL queries for the following tasks.

a) Count the number of distinct LEGO® colors.
b) Order all LEGO® color records by their name in ascending order.
c) What is the average number of parts released in 1995?
d) Count the number of LEGO® sets per theme.
e) Find the percentage of sets released in 2010 that do not contain a *Light Bluish Gray* part.
f) Find the names of all sub-themes of the *Star Wars* theme.
g) Find the set numbers and names of all sets released in 2015 that contain a specific part more than 100 times (regardless of color).