REPORT FOR PROJECT ASSIGNMENT

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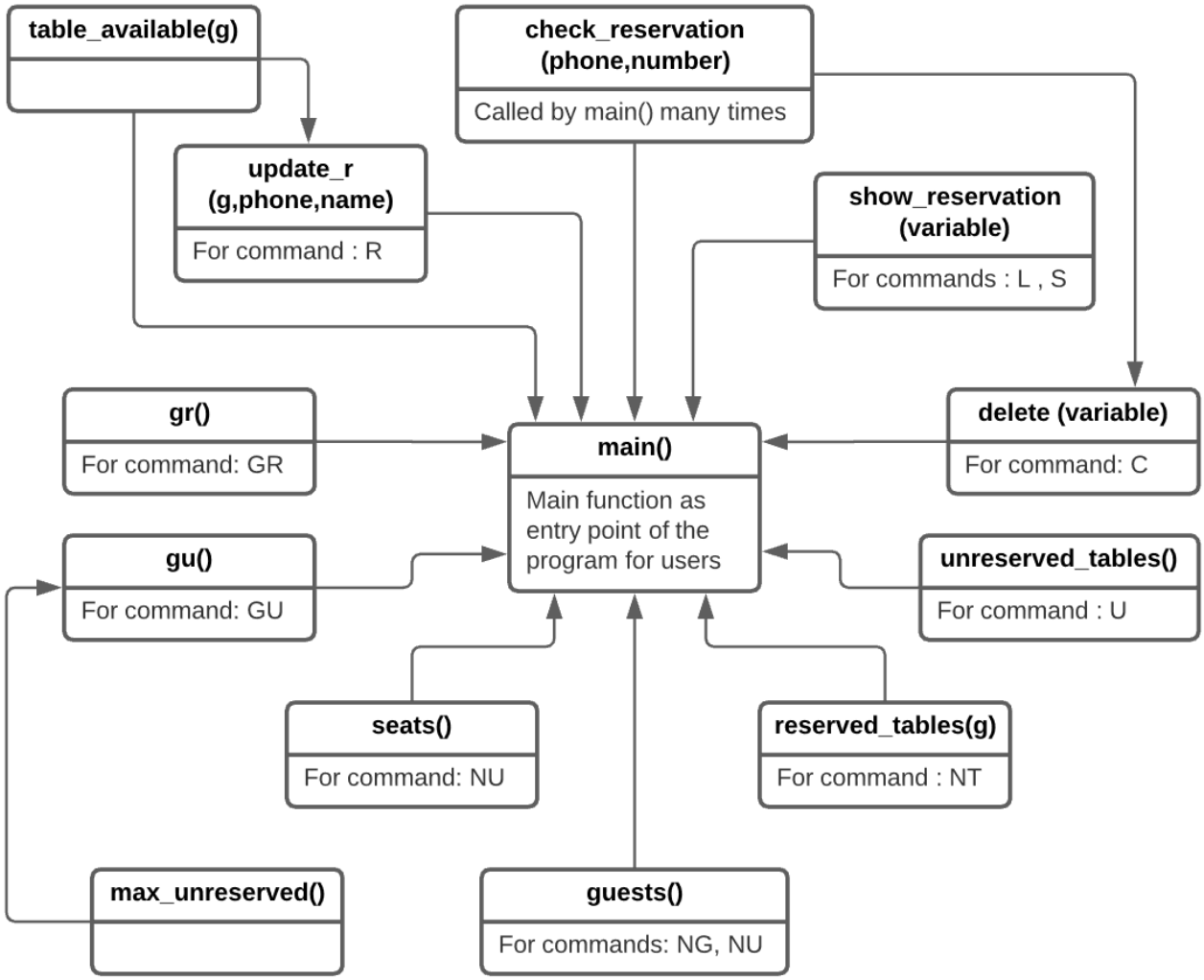
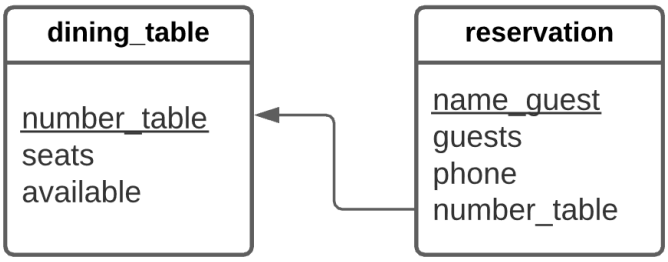
A. SIMPLE FUNCTION DIAGRAM



B. RELATION SCHEMA FOR THE RESTAURANT DATABASE



We have two relations:

dining_table(number_table, seats, available)
reservation(name_guest, phone, guests, number_table)

I choose name_guest as for the primary key for the releation reservation, but it could also be the attribute phone or the number of table, because all those 3 attributes identify uniquely the tuple of data. The foreign key is the attribute that links the relation dining_table to the reservation relation, and in this case is **number_table** that is contained in reservation and refers to the primary key of the dining_table.

C. INFORMATION DBMS

DBMS : MySQL 8.0.23.0
Platform : DBeaver

Database connection : Username = root ; Password = ainabelloni

Operating system : Windows 10 (x64)

D. OTHER INFORMATIONS

I choose as parameter $n = 20$, so the restaurant for which I created the manager system has 20 tables, with 2, 3, 4, 6 or 8 seats each.