The main criteria are code quality, intelligibility, and solution logic - the decision must be made by you and operate without third party files (Framework, db libs, etc.).

Comments are welcome.

Mysql Query optimality (fewer queries) is seen as an advantage.

**Task:**

To write a script which can check whether a user can use the module or part of it.

Usernames are unique.

A user assigned to a group.

A group can have an unlimited number of users, but a user can only be in one group.

User rights can be set for a specific user or group.

The program is divided into modules (function groups).

The module is divided into module parts (functions).

Module usage rights are set for all or part of the module.

Parts of the module have unique names.

Create a MySQL database structure that is able to maintain all necessary connections between users and modules.

Two parameters will be entered into the program - the name of the module part and the user name.

The program must return a boolean-type response. Positive if the user can use part of the module.

You are expected to have a working PHP example with a MySQL structure file (.sql).

No design required, parameters can be "hardcoded" in a prominent place (e.g. front of index.php).

An attached diagram/chart is also expected with the operation of rights to make it clearer what is being said:

Diagram

Description automatically generated