• At first, I figured I would start by designing the database. I focused on the greatest atomicity of data. I have created the 1-N relation in separate tables having PK and ID of both related objects.

• After importing the database and filling it with sample data, I created model classes for each of the tables in the database.

• I have created a class to manage the database connection to be able to read records freely.

• I created one class which was the parent for all other model classes. I included common functions in it, such as searching by PK or any attributes.

• I have broken down the compared data, such as a logical operator type, into Enum objects so that I can reuse them in my code.

• I added Trait, which dealt with the transfer of data in the parent-child class relationship.

• Finally, I created a class which in the constructor took the number of the RFID card as an argument, and then by checking it in the database and selecting the proper data, it displayed the answer in JSON format.

• For the task I used: PHP8.1, MySQL Server 8.0.29, and PDO. I coded everything using the OOP paradigm. The programs that I used were: dbdiagram.io and PHPStorm