**DATA REPORT**

**The pandemic we have been in since March 2020 has affected all humanity in every way. Based on this situation, we designed an integrated wristband with a mobile app to control the spread of the pandemic. Thanks to this application, which we call WRISTBANDAPP, and its integrated database, we aimed to get location and status information for COVID-19 patients and their contacts who are wearing wristbands by the relevant hospitals within a certain period of time.**

**First of all, we decided to set the business rules when starting the project. In these business rules , we have stated the main limits of the documents and data that we have created, we have established rules. The project, which works under these rules, has certain tables and dictionaries. The ER model sets the properties of objects by establishing relationships between database objects to be created.There are 3 basic concepts in an ER model. These concepts are entity, attribute, and Relationship. In relationship diagrams, we wanted to show the relationships between tables in a regular format and connect the key points. In NF tables, we wanted to eliminate data repeats in the database and increase data consistency (accuracy) by keeping foreign keys at the forefront. We have prepared output codes for tables created to show tables and data types using MS SQL. Considering the objectives of the project, we thought about the most useful and necessary queries and implemented them according to the need. In these queries, we collected the necessary data together, taking into account the relationships between tables, and met the needs of users. We designed a data dictionary with type , format and abbreviations.**

**In short, within the scope of the project, a wristband database management system was studied. In this context, the importance of designing wristband database system was first mentioned and diagrams and tables were drawn based on Business Rules. Then, ER diagrams are drawn, components, NF tables, data dictionaries, relationship diagrams are drawn, and the necessary SQL operations are encoded using MS SQL. Finally, the results were written and the project was completed.**

Footnote:

**(In revealing this assignment, we gathered every day between 22:00 and 23:59 in the evening with the participation and contribution of all group members. Each stage of the assignment took place with the participation of all group members , group work and solidarity rather than individuality are at the forefront.)**