The aim of our project was to create a database to make the information related/ within a hospital more organized and easier to access. To do that, we divided the project into four main entities: Hospital, doctor, patient and visit. However, we realized that there were going to be more entities needed to store the information we wanted so we added allergy, treatment, test, medication and manufacturer.

To handle all the java methods needed for the nine entities, we created eight different **JDBC managers**, with their corresponding **interfaces**, to have the information as organized as possible. Then we created a **JPA** class to implement the JPA in our project through the users and the roles. All our entities are defined in a pojo for each one. In another package called **xml** we have classes to handle xml problems and to check if the DTD we created is well formed.

In another package called **xmls** we have all the DTDs, XMLs examples and all the classes needed to create the web page we wanted with our xml files

To make our project more visual we have implemented a graphical interface where all the information on how it is used is in the user manual.

All of our project it's link with a .db file that can be seen through DB Browser called *medicalhistorydatabase.db* that it's placed inside a package called **db** with the *persistence.xml* that it's needed for the JPA

To run the program, you should reach for the main.java file inside databasegraphicinterface and run the program