

Project description Madonna

We are going to design an interface to search through a database of patients for a department at Sahlgrenska. Currently, the database is large, very complex and not optimally structured for everyday use. The interface for searching through the database is messy and not entirely user-friendly since it needs very precise parameters to find any data. There is currently no way to find generic data such as all patients who had a surgery after a specific date. Our application will enable the doctors to sort results by patients, surgeries, studies and many other factors, in an easier and more accessible way. We will use some sort of tags for patients to simplify the sorting.

Sahlgrenska wishes for a simple and clear interface, with different views for each task. They are also asking for many features such as being able to insert data into the database manually and via a document, as well as user logins, restrictions depending on user, and using the information in the database to find candidates for studies, among other things. We will within the group prioritize some things depending on our abilities, time and velocity.

The application will be a proof of concept since we are not able to deploy and maintain the application in the long run. The application can be used as a specification of requirements for a future developer hired by Sahlgrenska to implement the solution in their systems.

We plan on creating the database using PostgreSQL, Python + Flask for the backend and some simple frontend framework.