



This UML describes how the Data Storage System works. The main objective of this system is to store in real time the patient's data and secure it in the hospital database. And it also handles the data deletion after the patient leave the hospital.

The system contains 3 classes, DataStroage, PatientData and DataRetriever.

DataStroage is the class responsible for continuously monitoring the data, storing them and apply the deletion if needed.

PatientData will contain the data relative to one patient for a precise timetamp. It will be use to get some specific data and be able to monitor them and compare them. The data that PatientData uses if from DataStorage, we get the stream of data and we store only precise timestamp of data. It allows too not saturate the quantity of data per patient.

DataRetriever is what will use the medical staff to get the patient data. It will prioritize the patient in a critical state and will allows the staff to get access directly to specific data to be able to make decision. It will also check who wants to access the data, so only authorized staff can acces sensitive data.

This UML show how effective is the data storage and the data retriever for the medical staff and how secure the database his.