



The system is based around DataStorage that stores patient record and by using a map allows quick lookups and updates while the SecurityService verifies the user credentials before allowing any operations. RentionPolicy ensures the data deletion rules are followed. By adding the version field in PatientData it's possible to track the different states of a record. Patient encapsulates personal inforamtion of the patient and a list of PatientData. This allows to separe patient from their data. DataRetriever handles questions. By using the User object checks whenever the user is allowed to access or remove data.