Patient Identification System – UML class diagram explanation

The class diagram for the Patient Identification System illustrates the working of the three classes present in the System: PatientIdentifier, IdentityManager and PatientRecord. PatientRecord is a class used for storing the personal details and medical history of each patient. It contains information such as patientId, dob(date of birth), name, and medical history. This class is used when a patient first gets to the hospital with a new problem in order for the doctors to quickly understand their past problems. That function is used by the PatientIdentifier together with the information coming from PatientData in order for the system to merge new incoming data with the old one that was already stored, making it possible for the system to identify the patient with identifyPatient(). Last but not least the IdentityManager is a class that solves the discrepancies between old and new data, with solveDiscrepancies() making sure that no mistakes were made and that every information is understandable for future visits.