



This UML class diagram is shows the central data storage system of the health monitoring system. Firstly, the DataRetriever class, which as the name suggests is responsible for data retrieval, likely from another subsystem of classes, which are responsible for data retrieval from various data sources. Once data has been retrieved it gets transformed into a PateintData object, with respective id, data, and date fields, whose function is self explanatory. These PateintData objects are stored in a map in the DataStorage class, that allows for fast access of pateint data via patient ID. Additonally, a DataBackup class, acting as a backup, holding a copy of patient data from the DataStorage class, incase of any malfunction in the main data storage system.