



Data Listeners (WebSocketDataListener, TCPDataListener, FileDataListener)

These classes implements one common interface - "Data listener" which defines methods for the process of connecting to and receiving raw data from different sources (WebSocket, TCP, or files). Each of these classes implements the methods (connect, disconnect, isConnected, receiveRawData) to get data.

DataParser

The DataParser class transformates data from raw to a "normal"/needed form. It makes use of parsing, validation, and setting methods of data form. Any updates can be done easily without the modification of the listeners.

DataSourceAdapter

The DataSourceAdapter class is used as a transition between the storage and data listeners, it controls parsed data and sends it to the storage. It uses the adapts the data so multiple different data sources may be simply wired into the one system. The notifyListeners method updates data when the changes are done.

DataStorage

The DataStorage class manages the storage and retrieval of patients' data(blood pressure, heart rate) in a map. After the new data from the listeners is received and parsed using the DataParser class the DataSourceAdapter class updates the patient records and the general information in the storage.