Data Access Layer System – UML class diagram explanation

The class diagram for the Data Access Layer System illustrates the working of the seven classes present in the System: DataSourceAdapter, DataParser, RawData, WebSocketDataListener, FileOutputDataListener, TPCDataListener and DataListener. DataListener is an abstract class that is extended by the other three listener classes, WebSocketDataListener, FileOutputDataListener and TPCDataListener, which listen to data coming from each of their own classes of respective OutputStrategy(classes that already exist in the given code of the project). This data gathered by the three classes, is compiled into one raw pack of data by the RawData class with the function joinData(). Which also makes RawData dependent on the listeners. After this step, DataParser, dependent on RawData, transforms the unstructured data into organized structured data with the function parse(). And to finalize this cycle, DataSourceAdapter transforms the parsed data into data usable for the patient information, with adapt(). Data that is used then in the class PatientData from the Data Storage System.