



This UML describes how the Data Access Layer works. The main objective of this system is to connect and send object format via different network solution.

The system contains 3 classes, DataListener, DataParser and DataSourceAdapter.

DataListener is the interface responsible of all the methods used by the 3 subclasses. We have TCPDataListener, WebSocketDataListener and a FileDataListener. All these subclasses will listen on the network for different file. It will adapt in function of what solution are use. Each subclass will receive some data, it will use DataParser to parse the data in a specific format has CSV or Json format. After that, it will connect to the DataSourceAdapter that will send the parse information to the adequate server.

DataParser will parse the data that we want to send in the correct format like CSV, Json or String. Once the data is parse, it will be sent by DataSourceAdapter.

DataSourceAdapter will adapt in function of the format that it will receive and it will send the writh format to the server. It will also check that the same solution is use like TCP or WebSocket for the server. Once it's done, it will send the data.

This UML show how network of the hospital work and how different format of data are handle.