



The UML diagram illustrates a data flow system designed to handle different types of data inputs and process them uniformly. It shows three different data sources: 'File Data Source', 'Web Socket Data Source', and 'TCP Data Source'. Each data source has a corresponding listener class ('FileDataListener.java', 'WebSocketListener.java', and 'TCPLListener.java') responsible for handling the raw input data.

These listener classes seem to standardize the data by providing methods to start the data stream, write the data to a string, and end the data stream. The data, now in a raw format, is passed to the 'DataParser.java' class, which appears to serve as a central processing unit. This class has methods to retrieve data from the listener and parse it into a structured format (ParsedData).

Once the data is parsed, it is processed by 'DataSourceAdapter.java'. This class takes the parsed data, processes it further into a form that can be utilized or stored (ProcessedData), and stores it using its 'storeData' method.

The processed data is finally sent to 'DataStorage', which maintains an array of processed data. The 'DataStorage' class provides methods to write and read processed data, suggesting a storage or database functionality where the processed information is kept for future retrieval and use.