DataListener

- String Data
- DataParser dp

+ setData(data): void
- getData(): String

WebSocketDataListener

- bool isClosed

+ getData(data): String
- closeConnection(): void
+ getConnectionStatus(): bool

TCPDataListener

+ getData(data): String

FileDataListener

- FileDescriptor fileDescriptor

+ getData(data): String
- closeFile(): bool
- openFile(path): String

DataParser

- String raw
- String pased

+ parseData(): void

DataSourceAdapter

- DataListener dl
- DataParser dp

+ listen(): bool
+ instantiate(): void
+ instantiate(): void

lives at

1   lives at   0..1

The design here is extending on the Abstract class Data Listener and adding separate parts based on the listener type. Data source adapter then utilizes the Data listener.