Running the WebSocket Server: HealthDataSimulator


```
Run    HealthDataSimulator ×

C:\Users\Maxiapple\.jdks\openjdk-21.0.1\bin\java.exe "-javaagent:D:\IdeaU\IntelliJ IDEA 2023.3.2\lib\idea_rt.jar=50191:D:\IdeaU\IntelliJ IDEA 2023.3.2\bin" -Dfile.e
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
WebSocket server created on port: 7777, listening for connections...
WebSocket output will be on port: 7777
Server started successfully
```

Running the WebSocket Client: DataStorage


```
Run    HealthDataSimulator ×    DataStorage ×

C:\Users\Maxiapple\.jdks\openjdk-21.0.1\bin\java.exe "-javaagent:D:\IdeaU\IntelliJ IDEA 2023.3.2\lib\idea_rt.jar=51749:D:\IdeaU\IntelliJ IDEA 2023.3.2\bin" -Dfile.e
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Connected
Sending alert to staff members: Alert{patientId='5', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894475911}
Sending alert to staff members: Alert{patientId='14', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894475920}
Sending alert to staff members: Alert{patientId='16', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894475920}
Sending alert to staff members: Alert{patientId='25', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894475920}
Sending alert to staff members: Alert{patientId='28', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894475920}
Sending alert to staff members: Alert{patientId='30', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894475920}
```

Stopping the WebSocket Server, to see how the client reacts:


```
Run    HealthDataSimulator ×    DataStorage ×

Sending alert to staff members: Alert{patientId='49', condition='Peaks above certain values happen', timestamp=1717894495101}
Disconnected
Attempting to reconnect...
Error: Connection refused: connect
Already reconnecting...
Disconnected
Already reconnecting...
Sending alert to staff members: Alert{patientId='1', condition='Peaks above certain values happen', timestamp=1717894496114}
Sending alert to staff members: Alert{patientId='2', condition='Blood oxygen saturation level drops by 5% or more within a 10-minute interval', timestamp=171789449€
Sending alert to staff members: Alert{patientId='3', condition='Blood oxygen saturation level falls below 92%', timestamp=1717894496114}
Sending alert to staff members: Alert{patientId='3', condition='Blood oxygen saturation level drops by 5% or more within a 10-minute interval', timestamp=171789449€
Sending alert to staff members: Alert{patientId='6', condition='Blood oxygen saturation level drops by 5% or more within a 10-minute interval', timestamp=171789449€
```

Running the server back up:


```
Run    HealthDataSimulator ×    DataStorage ×

C:\Users\Maxiapple\.jdks\openjdk-21.0.1\bin\java.exe "-javaagent:D:\IdeaU\IntelliJ IDEA 2023.3.2\lib\idea_rt.jar=51802:D:\IdeaU\IntelliJ IDEA 2023.3.2\bin" -Dfile.e
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
WebSocket server created on port: 7777, listening for connections...
WebSocket output will be on port: 7777
Server started successfully
```

```
Run    HealthDataSimulator ×    DataStorage ×

Sending alert to staff members: Alert{patientId='31', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='32', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='34', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='37', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='38', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='39', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='40', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='41', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='43', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='45', condition='Peaks above certain values happen', timestamp=1717894587904}
Sending alert to staff members: Alert{patientId='46', condition='Peaks above certain values happen', timestamp=1717894587904}
```